2025 Spring Statistical Analysis Report

Iowa City Landfill and Recycling Center
Permit No. 52-SDP-01-72P

City of Iowa City, Iowa
Submittal Date: July 31, 2025

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Executive Summary

This 2025 Spring Statistical Analysis Report summarizes groundwater monitoring activities, associated data, and statistical analyses prepared by HDR Engineering, Inc. (HDR), on behalf of the City of Iowa City (City) for the City of Iowa City Sanitary Landfill (Landfill) during the 2025 Spring Semiannual Groundwater Monitoring Event. These activities were conducted in general accordance with the Iowa Administrative Code (IAC) 567 Chapter 113.10, and the additional Iowa Department of Natural Resources (IDNR) requirements specified in the Landfill's solid waste disposal permit number 52-SDP-01-72P, subsequent permit amendments, and the most recently approved Hydrologic Monitoring System Plan (HMSP).

Period of Report Coverage

This 2025 Spring Statistical Analysis Report summarizes results from the Spring 2025 Semiannual Groundwater Compliance Monitoring Event.

Detection Monitoring

During the Spring 2025 Monitoring Event, groundwater underdrain locations ST-1, WT-1, WT-2, WT-3, and WT-4 were the only locations monitored under the Detection Monitoring Program. Statistically significant increases (SSIs) were detected in groundwater samples collected during the Spring 2025 Semiannual Compliance Monitoring Event from underdrains WT-1 (chromium, copper, lead, and vanadium), WT-2 (Cadmium, Chromium, Cobalt, Copper, Lead, Vanadium, Zinc) and WT-3 (barium). Per the underdrain discharge management plan dated September 20, 2023 (**IDNR Doc #107723**), constituent concentrations measured in the WT-OF sample were compared to the intrawell upper prediction limits (UPL) of the constituents identified as SSIs in the individual discharge points [WT-1 (chromium, copper, lead, and vanadium), WT-2 (Cadmium, Chromium, Cobalt, Copper, Lead, Vanadium, Zinc) and WT-3 (barium)]. Each concentration measured in the WT-OF sample for the Spring 2025 Semiannual Compliance Monitoring Event was below the respective intrawell UPL for each constituent identified as an SSI at Monitoring Locations WT-1, WT-2, and WT-3.

The groundwater underdrain monitoring locations will continue to be monitored under the Detection Monitoring Program during the next Semiannual Compliance Monitoring Event.

Assessment Monitoring

During the Spring 2025 Monitoring Event, select groundwater monitoring wells were monitored under the Assessment Monitoring Program. Wells being monitored under the Assessment Monitoring Program are summarized on the attached **Table 1**. For the Spring 2025 Semiannual Compliance Monitoring Event, SSIs were identified in Monitoring Wells MW-18AR (barium, dichlorodifluoromethane, and tetrachloroethene) and MW-200A (barium). These SSIs have previously been detected at the Landfill in these monitoring wells. Confidence interval analysis for these SSIs did not indicate that these constituent concentrations exceeded a groundwater protection standard (GWPS) at a statistically significant level (SSL) for the Spring 2025 Semiannual Compliance Monitoring Event.

The monitoring wells monitored under the Assessment Monitoring Program during the Spring 2025 Semiannual Compliance Monitoring Event will continue to be monitored under the Assessment Monitoring Program during the next Semiannual Compliance Monitoring Event.

AZPOC Monitoring Locations

During the Spring 2025 Monitoring Event, Attenuation Zone Point of Compliance (AZPOC) monitoring locations were monitored under the Assessment Monitoring Program. For the Spring 2025 Semiannual Compliance Monitoring Event, no potential SSIs were identified for a monitored constituent at these Monitoring Wells.

The AZPOC monitoring wells are proposed to continue to be monitored under the Assessment Monitoring Program during the next Semiannual Compliance Monitoring Event. As indicated in the 2024 Spring Sampling Notification dated June 25, 2024 (**IDNR Doc #110314**), a discussion summarized that the corrective remedy has satisfied the remedy completion requirements of IAC 113.10(9)"e"(1) and (2), and it was requested that IDNR communicate what actions may be required in accordance with IAC 113.10(9)"e"(3) to complete the remedy. If IDNR concurs with the summary in the spring notification, the City requests guidance on the next steps on continued corrective action monitoring in regard to the AZPOC monitoring wells.

Corrective Action Monitoring

During the Spring 2025 Monitoring Event, corrective action bracketing wells were used to evaluate the horizontal and vertical extent of groundwater impact and to assess changes. For the Spring 2025 Semiannual Compliance Monitoring Event, arsenic at Bracketing Well MW-409 was the only constituent detected above the GWPS.

In a letter dated November 13, 2024 (**IDNR Doc #111328**), HDR recommended that Monitoring Well MW-18A-07 transition from a bracketing well to a source characterization monitoring well. IDNR concurred with this transition in a revised operating permit dated December 2, 2024 (**IDNR Doc #111413**). Beginning with this Spring 2025 Semiannual Compliance Monitoring Event, MW-18A-07 is being monitored in accordance with the Source Characterization Monitoring Program.

During the Spring 2025 Monitoring Event, source characterization monitoring wells were monitored for trends in monitored constituents and changes in natural attenuation parameters (total organic carbon [TOC], nitrate as nitrogen, iron, manganese, and sulfate) to evaluate if groundwater impact was increasing or decreasing based on the selected corrective action remedy.

For the Spring 2025 Semiannual Compliance Monitoring Event, statistically significant increasing trends were identified for the following well-constituent pairs:

- cis-1,2-dichloroethene: MW-18A-07
- Nickel: MW-209B
- Sulfide: MW-209B

For the Spring 2025 Semiannual Compliance Monitoring Event, statistically significant decreasing trends were identified for the following well-constituent pairs:

- Barium: MW-206A
- Cadmium in MW-2A-97
- Dichlorodifluoromethane: MW-16A
- 1,1-dichloroethane: MW-206A.

Based on the natural attenuation parameters, changes in groundwater chemistry at the source characterization monitoring wells appear to indicate that impact is being reduced and groundwater quality is improving. The only exceptions would be Monitoring Wells MW-207A and MW-211B. Recent iron and manganese concentrations at Monitoring Wells MW-207A and MW-211B have been elevated when compared to historical values. Further sampling data will be needed to confirm if the organic plume is shifting near Monitoring Wells MW-207A and MW-211B and would further degrade groundwater quality.

Conclusion and Recommendations

The following conclusions are made and actions recommended for the continuation of groundwater compliance monitoring at the Landfill:

1. A majority of the groundwater impact is present in monitoring wells adjacent to the Non-Subtitle D Areas (Northern and Eastern Unlined/Clay-Lined Cells) of the Landfill. The sources of impact have been previously identified. Some areas are being influenced by leachate migration while landfill gas migration is the primary source of impact in other areas.
2. The corrective action remedy of source control via leachate and landfill gas management systems along with monitored natural attenuation has been implemented at the Landfill.
3. AZPOC monitoring wells are being utilized to monitor progress of the corrective action remedy. As indicated in the 2024 Spring Sampling Notification dated June 25, 2024 (**IDNR Doc #110314**), it was discussed that sufficient data has been obtained to indicate the corrective action remedy goals have been met. The city is requesting IDNR's response to the summary and recommended next steps, if any.
4. Evaluation of the natural attenuation parameters indicates that natural attenuation processes are occurring in the groundwater adjacent to the Landfill. However, further assessment would be needed at Monitoring Wells MW-207A and MW-211B since recent parameter concentrations indicate groundwater impact may be increasing.
5. Continue collecting water level and well depth measurements, if scheduled, on a semiannual basis at each HMSP approved monitoring location.
6. Conduct groundwater monitoring at each HMSP approved monitoring location under the respective monitoring program as summarized on **Table 1** and **Table 2**.

Table of Contents

Acronyms/Abbreviations: iii

Certification v

1 Purpose 1

2 Site Background 1

2.1 Site Status and Applicable Rules 1

2.2 Site Geology 1

2.2.1 Surficial Geology 2

2.2.2 Bedrock Geology 2

2.3 Site Hydrology 2

2.3.1 Horizontal Groundwater Flow 3

3 Monitoring Network and Sampling Procedures 3

3.1 Monitoring Network 3

3.2 Sampling Procedures 4

4 Data Evaluation and Summary 5

4.1 Detection Monitoring 5

4.2 Assessment Monitoring 7

4.3 AZPOC Monitoring Locations 8

4.4 Corrective Action Monitoring Activities and Evaluation 8

4.4.1 Corrective Action/Bracketing Wells 8

4.4.2 Source Characterization Monitoring Wells 9

5 Quality Assurance/Quality Control 13

5.1 Laboratory Qualifiers 13

5.2 Trip Blanks 14

5.3 Field Duplicates 14

6 Recommendations 14

List of Figures

Figure 1 Site Features

Figure 2 Spring 2025 - Groundwater Contours

List of Tables & Graphs

Table 1 Monitoring Program Summary

Table 2 Monitoring Program Implementation Schedule

Table 3 Monitoring Well Maintenance and Performance Reevaluation Schedule

Table 4 Monitoring Well Maintenance and Performance Summary – Monitoring and Delineation Wells
Table 5 Background and GWPS Summary
Table 6 Summary of Well/Detected Constituent Pairs with No Previous SSIs
Table 7 Summary of Ongoing and Newly Identified SSIs in Assessment Monitoring
Table 8 Summary of Ongoing and Newly Identified SSLs
Table 9A Analytical Data Summary – Monitoring Wells
Table 9B Analytical Data Summary – Underdrains
Table 10 Historic SSIs and SSLs
Table 11 Summary of Detections at Bracketing Wells
Table 12 Corrective Action Trend Analysis
Table 13 CAMP – Natural Attenuation Parameters
Table 14 RPD Summary

Graph 1 Total Organic Carbon
Graph 2 Nitrate as Nitrogen
Graph 3 Iron (Total)
Graph 4 Manganese (Total)
Graph 5 Sulfate

List of Appendices

Appendix A Spring 2025 Statistical Analysis
Appendix B Spring 2025 Field Sampling Forms
Appendix C Spring 2025 Laboratory Analytical Reports
Appendix D Historical Groundwater Analytical Data Summary

Acronyms/Abbreviations:

ACM = Assessment of Corrective Measures
AMSL = Above Mean Sea Level
ASD = Alternative Source Demonstration
AWQR = Annual Water Quality Report
AZPOC = Attenuation Zone Point of Compliance
CAMP = Corrective Action Monitoring Program
CI = Confidence Interval
DO = Dissolved Oxygen
DQR = Double Quantification Rule
GWPS = Groundwater Protection Standard
HDR = HDR Engineering, Inc.
HIR = Hydrogeologic Investigation Reports
HMSP = Hydrologic Monitoring System Plan
IAC = Iowa Administrative Code
IDNR = Iowa Department of Natural Resources
LCL = Lower Confidence Limit
LCS = Laboratory Control Sample
LCSD = Laboratory Sample Duplicate
LN = Lognormal
MCL = EPA Maximum Contaminant Level
MDL = Method Detection Limit
MS = Matrix Spike
MSD = Matrix Spike Duplicate
ORP = Oxidation Reduction Potential
UPL = Upper Prediction Limit
RCRA = Resource Conservation and Recovery Act
RL = Reporting Limit
RPD = Relative Percent Difference
SS = Statewide Standard (IDNR) for a protected groundwater source
SSI = Statistically Significant Increase above background
SSL = Statistically Significant Level above GWPS
UCL = Upper Confidence Limit

Note this list is a comprehensive list of common acronyms. All acronyms listed above may not have been used in the following report and/or attached tables

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Certification

I hereby certify that this report was prepared by me or under my direct personal supervision and that I am a qualified groundwater scientist based on the requirements noted in IAC 567—113.10(1)"d".

7/31/2025

Richard Wilson — Date

Pages or sheets covered by this signature:

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Certification page (PE or ground water scientist signature) ***113.10(1)"d"***

For the purposes of this rule, a "qualified groundwater scientist" means a scientist or an engineer who has received a baccalaureate or postgraduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields demonstrated by state registration, professional certifications, or completion of accredited university programs that enable that individual to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective action.

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1 Purpose

This 2025 Spring Statistical Analysis Report summarizes groundwater monitoring activities, associated data, and statistical analyses that were prepared by HDR Engineering, Inc. (HDR), on behalf of the City of Iowa City (City) for the City of Iowa City Sanitary Landfill (Landfill) for the Spring 2025 Semiannual Groundwater Monitoring Event. These activities were conducted in general accordance with the Iowa Administrative Code (IAC) 567 Chapter 113.10, and the additional Iowa Department of Natural Resources (IDNR) requirements specified in the Landfill's solid waste disposal permit number 52-SDP-01-72P, subsequent permit amendments, and the most recently approved Hydrologic Monitoring System Plan (HMSP).

2 Site Background

The City's Landfill and Recycling Center is located at 3900 Hebl Avenue Southwest, Iowa City, Iowa 52246. The Municipal Solid Waste Landfill (MSWLF) area is legally described as being located in the SE ¼; most of the E ½ and NW ¼ of the SW ¼; most of the SW ¼ of the NE ¼; the S ½ of the SE ¼ of the NE ¼; and 80 rod by 6 rod parcel off the S side of the SE ¼ of the NW ¼; all in Section 14, Township 79 North, Range 7 West, Johnson County, Iowa.

The MSWLF began receiving waste in 1972. Initial filling began in the north-central portion of the property. Construction of additional cells progressed to the south along the east side of the property and then northward along the west side of the existing MSWLF cells. Approximately 66.2 acres of the MSWLF are closed, and approximately 71.6 acres are currently active in various stages of service or fill. Cell Fiscal Year (FY) 09 was destroyed by fire in June 2012; a truncated portion of Cell FY09 was rebuilt and reopened in the fall of 2013. Cell FY18 was constructed in the summer of 2018 and is approximately 7.2 acres. Cell FY23 was constructed in 2023 and is approximately 11.0 acres. A site map depicting the characteristics of the MSWLF and surrounding vicinity is provided as **Figure 1**.

All active cells (Cells FY95, FY96, FY98, FY02, FY06, FY09, FY18, and FY23) were constructed with leachate drainage layers and collections systems. Pre-1991 cells have toe drains installed along the downgradient perimeters of those cells.

2.1 Site Status and Applicable Rules

The Landfill provides routine solid waste disposal services for generators in the permitted service area, which includes: all cities and unincorporated areas in Johnson County, Iowa and the cities of Kalona and Riverside in Washington County, Iowa.

2.2 Site Geology

Hydrogeologic investigations have been completed at the Landfill. A detailed description of the site's geology and hydrogeology is included in the *Soil and Hydrogeologic Investigation – Proposed Expansion Area, Iowa City Landfill and Recycling Center* dated August 2008 (Howard R. Green Company, **IDNR Doc #30283**). A summary of the Landfill's geology based on the August 2008 report is included in the following subsections.

2.2.1 Surficial Geology

The Landfill's ground surface elevation varies from 690 feet above mean sea level (AMSL) near the stream in the southeast corner of the facility to 785 feet in the northwest corner of the facility. Surficial deposits include loess, alluvium, glacial till, and glaciofluvial sand deposits. Bulk thickness of the surficial deposits is a function of the underlying bedrock topography and varies from about 90 feet thick in the southern portion of the site near the stream to about 140 feet thick in the north-central area near cell FY72.

Loess varies in thickness from five (5) to 20 feet. Generally present in upland areas of the site and non-existent in lowland alluvial areas.

Alluvium is present along the north-south stream valleys located along the east and west sides of the Landfill Property. The confluence for these unnamed stream segments is approximately 0.25 miles south of the Landfill Property. Surface water flow in these unnamed stream segments eventually discharge into Old Man's Creek at a confluence approximately 2.25 miles south of the Landfill Property. The alluvium is generally silt, clay, and silty clay, with thin interbedded silty sand and sand layers. Alluvium thickness increases when moving from north to south along the general surface water flow path of the unnamed stream segments.

Glacial till is present under the alluvial and loess deposits in the area. The glacial till is dominated by clay sediments with thin, discontinuous sand lenses. Weathered till is present in the upper portion of the formation and overlies unweathered till. Weathered till is generally lighter brown or gray color with mottling that is interpreted as oxidation from moving water through the material. Unweathered till is very stiff with a darker gray color and no evidence of oxidation.

Glaciofluvial sand is an intra-till unit which is glacial outwash deposits. The layer, identified as Sand Unit B, is continuous across the site. Sand Unit B is confined by the unweathered till and its thickness is variable due to its outwash origin.

Previous landfill activities and infrastructure have affected surficial geology and hydrogeology at the facility. Specifically, where the construction of landfill cells has penetrated, to varying degrees, into the loess or weathered till, the local groundwater surface flow pattern is modified, and lateral continuity of the surficial deposits is disrupted.

2.2.2 Bedrock Geology

The uppermost bedrock at the Landfill is gray, weathered limestone of the Devonian-age Cedar Valley Formation. Depth to bedrock varies from approximately 90 to 140 feet below ground surface. The erosion slope of the bedrock indicates higher bedrock surface elevation in the north (~630 feet AMSL) to a lower elevation in the south (~590 feet AMSL)

2.3 Site Hydrology

The major hydrogeologic units and corresponding order-of-magnitude horizontal hydraulic conductivity (K_h) are the following:

- Loess and weathered glacial till: 10^{-4} centimeters per second (cm/sec),
- Alluvium: 10^{-4} cm/sec,
- Intra-till Sand Unit B: 10^{-3} cm/sec,

- Unweathered glacial till: 10^{-5} cm/sec,
- Limestone Bedrock: 10^{-4} cm/sec.

The water table aquifer traverses loess, weathered till, and alluvium at the Landfill and is considered the uppermost aquifer. Sand Unit B forms the uppermost continuous aquifer across the site. The groundwater in Sand Unit B is confined by unweathered till which provides upper and lower confining units to the glacial outwash aquifer. The limestone bedrock is a regional aquifer.

The uppermost aquifer (water table aquifer) is represented by the A-series wells screened in loess and/or weathered till and the B-series wells screened in alluvium. The confined, continuous aquifer in the glacial outwash, Sand Unit B, is represented by the C-series wells. The confining unweathered till units are represented by the D-series wells (except for MW-17D and MW-18D1 which are screened in weathered till). The Devonian-age limestone bedrock aquifer is represented by the E-series wells.

2.3.1 Horizontal Groundwater Flow

Local and intermediate groundwater flow systems control groundwater movement at the Landfill. Based on groundwater flow evaluations, horizontal groundwater flow is higher relative to vertical groundwater flow due to the low permeability of the unweathered till. Due to the presence of the unweathered till, the uppermost water table aquifer, the confined Sand Unit B aquifer, and bedrock aquifer are hydrologically distinct units, but are not completely isolated from each other.

The unconfined, water table aquifer groundwater flow is generally from the north-northwest and into the adjacent stream valleys on the east-southeast and west-southwest sides of the Landfill. Groundwater flow in the confined, Sand Unit B, aquifer is generally from the north to south. Groundwater flow in the bedrock aquifer is generally from the south-southeast to the north-northwest, but with a relatively flat gradient.

3 Monitoring Network and Sampling Procedures

3.1 Monitoring Network

The HMSP monitoring locations for the site are summarized on the attached **Table 1**. The HMSP monitoring network includes upgradient/background and downgradient monitoring wells for the water table aquifer (A-series and B-series monitored formations) and groundwater underdrain/tile line monitoring locations. With the implementation of the Corrective Action Groundwater Monitoring Program (CAMP) [approved September 2, 2021], the Attenuation Zone Point of Compliance (AZPOC) Monitoring Wells and Source Characterization Monitoring Wells were established. **Table 1** summarizes the current monitoring program for each monitoring point. **Table 2** provides the monitoring program implementation plan and sampling schedule for the HMSP and CAMP monitoring networks.

The 2025 Spring Semiannual detection, assessment, and corrective action monitoring were conducted at the groundwater monitoring locations on April 23 to May 9, 2025. Details regarding the statistical analysis of this monitoring event are summarized in **Appendix A.** The

monitoring locations sampled during the monitoring event and the constituents analyzed for are summarized in **Table 2**. During the Spring 2025 Semiannual Compliance Sampling Event, each monitoring location was sampled except for groundwater underdrain ST-1. Field personnel indicated the monitoring location ST-1 was not discharging during the sampling event.

Completed field sampling forms are included in **Appendix B** and the laboratory analytical reports are provided in **Appendix C** for the Spring 2025 Semiannual Compliance Monitoring Event. Historical groundwater data is provided in **Appendix D**.

3.2 Sampling Procedures

City of Iowa City personnel conducted the groundwater sampling activities during the Spring 2025 Semiannual Compliance Monitoring Event. A water level indicator was used to measure the static water level in each of the monitoring wells prior to purging and sampling. Static water levels in site monitoring wells were used to determine the groundwater elevation during the Spring 2025 Semiannual Compliance Monitoring Event and are shown in the attached **Figure 2**. During the Spring 2025 Semiannual Compliance Monitoring Event, groundwater elevations at the site's monitoring wells ranged from 688.30 (MW-1A) to 762.13 (MW-18A-07) feet AMSL. Groundwater flow direction is generally from the north-northwest with diversions into the adjacent stream valleys on the east-southeast and west-southwest sides of the Landfill.

In addition to measuring depth to groundwater (static water level) during the sampling event, field parameters were measured to verify and document the presence of a stable and representative sample medium prior to collection. A multi-parameter meter with flow cell was used to evaluate geochemical measurements including temperature, conductivity, dissolved oxygen (DO), and pH of purged groundwater prior to sampling. Geochemical measurements for the Spring 2025 Semiannual Compliance Monitoring Event were recorded on the field sampling forms and are provided in **Appendix B**. Current well conditions including casing degradation, collision, or vandalism are provided on the sampling forms. Well maintenance items were noted during the Spring 2025 Semiannual Compliance Monitoring Event for Monitoring Wells MW-31B, MW-207A, MW-215A, and MW-216A. Field personnel indicated the hinges on the well head protectors for Monitoring Wells MW-31B, MW-215A, and MW-216A either require maintenance or replacement, and the well casing needs to be cut down at Monitoring Well MW-207A for the well head protector lid to close completely. These maintenance items were addressed and completed on July 31, 2025. The new top of casing elevation for monitoring well MW-207A is 717.35 feet AMSL.

Groundwater samples were collected using either a dedicated submersible pump or peristaltic pump at each monitoring well, except for Monitoring Well MW-31B and MW-215A. A Waterra foot valve sampling device was used to collect a groundwater sample from Monitoring Wells MW-31B and MW-215A. Groundwater samples from groundwater underdrains were collected as grab samples using a clean laboratory container to collect the sample from the discharge, if flowing.

4 Data Evaluation and Summary

Statistical analyses were completed using Sanitas™ (Sanitas Technologies) software. The following sections describe the statistical methodology used for each monitoring program. Additional information on specific statistical equations used in the Sanitas™ program can be provided under separate cover upon request. Note that J-flagged concentrations [concentration between the method detection limit (MDL) and reporting limit (RL)] are not considered statistically significant.

Prior to statistical analysis, the groundwater data for each sampling and analysis event was reviewed for outliers and trends. The review included evaluations using time series plots, box-whiskers plots, Sen's Slope/Mann-Kendall trend tests, and outlier screening. If the data is determined to be an outlier, the data point may be replaced with a corrected value, discarded from statistical calculations, or left "as is" in the database. Detected outliers for well/constituent pairs are provided in the outlier summary in **Appendix A.**

A monitoring program summary (**Table 1**) provides a detailed summary of the monitoring wells and current monitoring program. The most recent and upcoming sampling schedule is provided in **Table 2**. The monitoring well maintenance schedule (**Table 3**) and performance summaries (**Table 4**) are provided as attachments to this report. A database of historical groundwater data collected at the Landfill from monitoring wells and groundwater underdrains are provided in **Table 9A** and **Table 9B**, respectively, which are included in **Appendix D**. Historic statistically significant increases (SSIs) and statistically significant levels (SSLs) are summarized on **Table 10**.

4.1 Detection Monitoring

Under the Detection Monitoring Program of the IAC 567 113.10(5), Appendix I monitoring results are statistically compared to background levels as given in IAC 113.10(6)"*e*". The background data set for the HMSP monitoring wells which includes concentrations measured in background/up-gradient Monitoring Wells MW-34A, MW-38A, and MW-39B is used to evaluate SSIs for inorganic constituents by comparison to the interwell upper prediction limit (UPL). The detection monitoring statistical evaluations for the groundwater underdrain monitoring points (ST-1, WT-1, WT-2, WT-3, and WT-4) in the HMSP monitoring network utilize an intrawell UPL for evaluating SSIs for inorganic constituents. A summary of background levels calculated for inorganic constituents detected above laboratory RLs in the HMSP monitoring wells and groundwater underdrains are summarized on the attached **Table 5**.

A "1-of-2" retesting plan is used on individual sample results. The 1-of-2 retesting plan as defined in the Environmental Protection Agency's (EPA) Unified Guidance concludes that an SSI has occurred when 2 out of 2 consecutive sample results exceed the UPL, while no SSI is concluded if 1-of-2 is below the limit. The UPL for each constituent is recalculated semiannually. If an SSI above the UPL is identified, the monitoring location would be required to enter the Assessment Monitoring Program, unless an alternative source demonstration (ASD) successfully demonstrates a source other than the landfill caused the SSI.

For interwell constituents with greater than or equal to 50% non-detects in the background data set, a non-parametric prediction limit is used. The non-parametric prediction limit is taken as the maximum order statistic (maximum value) of the background data. For interwell constituents with less than 50% non-detects in the background data set, normality assumptions are verified using the Shapiro-Wilk Normality Test. If the background data is not normally distributed, a non-parametric prediction limit is used. If the background data is normally distributed or can be fit to a normal distribution using a normalizing transformation, then a normal-based parametric prediction limit is applied.

For organic constituents without historical detections in the background datasets for the monitoring wells and groundwater underdrains, the Double Quantification Rule (DQR) analysis is used. This method states that detection of the same constituent in two consecutive sampling events in the same monitoring point indicates an SSI, and the monitoring point must be placed into the Assessment Monitoring Program. This evaluation is conducted in a rolling manner using single observations from the semiannual and resample events, as necessary. For newly detected constituents, the resample event will be completed within 90 days of the original exceedance as stated in the IDNR memo for Double Quantification Rule Resampling dated June 22, 2017.

During the Spring 2025 Semiannual Compliance Monitoring Event, there were no HMSP monitoring wells managed under the Detection Monitoring Program. The groundwater underdrains (ST-1, WT-1, WT-2, WT-3, and WT-4) were monitored under the Detection Monitoring Program for the Spring 2025 Semiannual Compliance Monitoring Event. Results of the most recent sampling event for monitoring locations managed under the Detection Monitoring Program are summarized in **Table 6**. During the Spring 2025 Semiannual Compliance Monitoring Event, SSIs were identified in groundwater underdrains WT-1 (chromium, copper, lead, and vanadium), WT-2 (Cadmium, Chromium, Cobalt, Copper, Lead, Vanadium, Zinc) and WT-3 (barium,). The Sanitas™ statistical reports are included in **Appendix A**.

As approved in correspondence dated September 20, 2023 (**IDNR Doc #107723**), a site-specific underdrain discharge management plan was developed which includes the following aspects:

- The individual discharge points WT-1, WT-2, WT-3, and WT-4 are currently evaluated semiannually by intrawell prediction limits. Once sufficient background has been collected for combined outfall monitoring point WT-OF, intrawell prediction limits will be calculated from WT-OF data in addition to the individual discharge points.
- If an SSI is indicated for WT-1, WT-2, WT-3, and/or WT-4 before sufficient background has been collected for WT-OF, the indicated SSI will not require verification. If an SSI is indicated in an individual discharge point, analytical results from WT-OF will be compared to the prediction limits of the individual discharge point-constituent pairs to determine appropriate actions.

- Once sufficient data is available to perform statistical evaluation for WT-OF, SSIs indicated in the individual monitoring points will not trigger additional action if the concentrations in WT-OF are below its respective intrawell prediction limits.
- If an SSI is identified at monitoring point WT-OF, verification sampling will occur. If the SSI is confirmed, appropriate management of the discharge will be evaluated and implemented after IDNR concurrence.

Since sufficient background data has not been collected at monitoring location WT-OF, constituent concentrations measured in the WT-OF sample were compared to the intrawell UPLs of the constituents identified as SSIs in the individual discharge points [WT-1 (chromium, copper, lead, and vanadium), WT-2 (Cadmium, Chromium, Cobalt, Copper, Lead, Vanadium, Zinc) and WT-3 (barium)]. Each concentration measured in the WT-OF sample was below the respective intrawell UPL for each constituent identified as an SSI at monitoring locations WT-1, WT-2, and WT-3.

The groundwater underdrain monitoring locations will continue to be monitored under the Detection Monitoring Program.

4.2 Assessment Monitoring

Under the Assessment Monitoring Program of IAC 113.10(6), Appendix I and II monitoring results are statistically compared to UPLs as given in IAC 113.10(6)“*e*” and to the groundwater protection standard (GWPS) as given in IAC 113.10(6)“*g*” and “*h*”. Interwell prediction limits are used to statistically evaluate SSIs over background for the Appendix I and II constituents with historical detections in the background dataset, and the DQR method is used for organic constituents to evaluate SSIs, as previously discussed in **Section 4.1**.

Constituents at monitoring locations which have been determined to be statistically above the UPL are also statistically compared to the GWPS to identify SSLs. The GWPS is the Iowa Statewide Standard (SS) for a Protected Groundwater Source (Statewide Standard). If no SS exists, or if the UPL concentrations are higher than the SS, the GWPS is defined as the UPL concentration. Per IAC 113.10(6)“*i*”, an alternative GWPS may be established by IDNR for constituents for which there is no SS or EPA maximum contaminant level (MCL). Confidence Intervals (CIs) are used as the statistical strategy in assessment monitoring. In the case of normally distributed data, a normal-based parametric CI is used. If the data are not normally distributed, a non-parametric CI on the median is used.

According to IAC 113.10(6)“*e*”, a well may return from assessment monitoring to detection monitoring when all Appendix II constituents are “shown to be at or below background values, using the statistical procedures in paragraph 113.10(4)“*g*” for two consecutive sampling events.” Assessment monitoring continues when Appendix II concentrations are above background values but below the GWPS using the statistical procedures in §113.10(4)“*g*”.

If constituents are detected at SSLs above the GWPS, a notice is placed in the operating record and the monitoring location would be required to enter the Corrective Action Monitoring Program. At that time, requirements to initiate characterization of the nature and extent of the

release (IAC 113.10(6)“*g*”) are triggered, and the owner or operator is required to initiate an assessment of corrective measures and select and implement a remedy in accordance with IAC 113.10(7), (8), and (9).

Results of the most recent sampling event for monitoring locations in the Assessment Monitoring Program are provided in **Table 7**. The Sanitas™ statistical reports are included in **Appendix A**. For the Spring 2025 Semiannual Compliance Monitoring Event, SSIs were identified for Monitoring Wells MW-18AR (barium, dichlorodifluoromethane, and tetrachloroethene) and MW-200A (barium). The SSIs identified during the Spring 2025 Semiannual Compliance Monitoring Event at Monitoring Wells MW-18AR and MW-200A have historically been detected at these monitoring wells. The CIs for the well-constituent pairs identified as SSIs were compared to their respective GWPS. Based on the statistical analysis, an SSL was not identified during the Spring 2025 Semiannual Compliance Monitoring Event (**Table 8**).

The monitoring wells monitored under the Assessment Monitoring Program during the Spring 2025 Semiannual Compliance Monitoring Event will continue to be monitored under the Assessment Monitoring Program during the next Semiannual Compliance Monitoring Event.

4.3 AZPOC Monitoring Locations

The AZPOC monitoring locations are monitored under the Assessment Monitoring Program and follow the same statistical assessment procedures as described in **Section 4.2**. Results of the most recent sampling event for the AZPOC monitoring locations are provided in **Table 7**. The Sanitas™ statistical reports are included in **Appendix A**. For the Spring 2025 Semiannual Compliance Monitoring Event, no potential SSIs were identified.

The AZPOC monitoring wells are proposed to continue to be monitored under the Assessment Monitoring Program during the next Semiannual Compliance Monitoring Event. As indicated in the 2024 Spring Sampling Notification dated June 25, 2024 (**IDNR Doc #110314**), a discussion summarized that the corrective remedy had satisfied the remedy completion requirements of IAC 113.10(9)”e”(1) and (2), and it was requested that IDNR communicate what actions may be required in accordance with IAC 113.10(9)”e”(3) to complete the remedy. If IDNR concurs with the summary in the spring notification, the city requests guidance on the next steps on continued corrective action monitoring in regard to the AZPOC monitoring wells.

4.4 Corrective Action Monitoring Activities and Evaluation

4.4.1 Corrective Action/Bracketing Wells

Bracketing monitoring wells, as required in the CAMP, are used to define the horizontal and vertical extent of groundwater impact and assess changes in the extent of impact. The monitoring wells used for bracketing are summarized on **Table 1**. The constituents detected above laboratory MDLs during the Spring 2025 Semiannual Compliance Monitoring Event are summarized in **Table 11**. For the Spring 2025 Semiannual Compliance Monitoring Event, arsenic was detected above its GWPS at Monitoring Well MW-409.

4.4.2 Source Characterization Monitoring Wells

Source characterization monitoring wells are not compliance monitoring points. These are monitoring wells that were previously identified as having GWPS exceedances at SSLs. As a component of the CAMP, these monitoring wells were replaced by AZPOC monitoring points for compliance purposes. The monitoring wells used for source characterization are summarized on **Table 1**. The source characterization monitoring wells are sampled for the Appendix I and TSS constituents on a semiannual basis and natural attenuation parameters (total organic carbon [TOC], nitrate as nitrogen, iron, manganese, and sulfate) on an annual basis. During the Spring 2025 Semiannual Compliance Monitoring Event, the full Appendix II constituent list was monitored at each Source Characterization Monitoring Well except for MW-211B. The Appendix I, Appendix II, and TSS constituents detected above laboratory MDLs during the Spring 2025 Semiannual Compliance Monitoring Event are summarized on **Table 12** along with the calculated trends for the eight (8) most recent samples.

In a letter dated November 13, 2024 (**IDNR Doc #111328**), HDR recommended that Monitoring Well MW-18A-07 transition from a bracketing well to a source characterization monitoring well. IDNR concurred with this transition in a revised operating permit dated December 2, 2024 (**IDNR Doc #111413**). Beginning with this Spring 2025 Semiannual Compliance Monitoring Event, MW-18A-07 is monitored in accordance with the Source Characterization Monitoring Program.

For the Spring 2025 Semiannual Compliance Monitoring Event, statistically significant increasing trends were identified for the following well-constituent pairs:

- cis-1,2-dichloroethene: MW-18A-07
- Nickel: MW-209B
- Sulfide: MW-209B

For the Spring 2025 Semiannual Compliance Monitoring Event, statistically significant decreasing trends were identified for the following well-constituent pairs:

- Barium: MW-206A
- Cadmium in MW-2A-97
- Dichlorodifluoromethane: MW-16A
- 1,1-dichloroethane: MW-206A.

The parameters, TOC, nitrate as nitrogen, iron, manganese, and sulfate, are utilized to evaluate if natural attenuation is facilitating the reduction of contaminants of concern at the source characterization monitoring wells. TOC is utilized as a measure of organic carbon present in the groundwater samples which is an indicator for released constituents from the Landfill. Nitrate as nitrogen, iron, manganese, and sulfate are electron acceptors that are utilized in oxidation-reduction processes in groundwater. The concentration of these electron acceptors can indicate the state of the groundwater and whether groundwater is in a more oxidizing state or reducing state. The order of usage in terms of energy provided would be nitrate as nitrogen, manganese, iron, and sulfate or another way of interpreting it is from more oxidizing conditions to more reducing conditions. If reducing conditions develop as a result of elevated organic

carbon, iron and manganese concentrations will increase in groundwater due to the presence of more reduced, soluble forms of these constituents, while nitrate as nitrogen and sulfate concentrations would be decreased. If oxidizing conditions develop as a result of organic carbon reductions, then iron and manganese concentrations should decrease in groundwater with the potential of nitrate as nitrogen and sulfate concentrations increase. Groundwater analytical results for the natural attenuation parameters are summarized on **Table 13**. Time series graphs for TOC (**Graph 1**), nitrate as nitrogen (**Graph 2**), iron (**Graph 3**), manganese (**Graph 4**), and sulfate (**Graph 5**) are attached to this report and depict the concentrations measured in the source characterization monitoring wells since 2015. The graphs also include a visual representation of the range of concentrations measured in groundwater samples collected from background Monitoring Wells MW-34A, MW-38A, and MW-39B. This visual representation provides a reference point when comparing source characterization monitoring well data.

Based on the natural attenuation parameters, changes in groundwater chemistry at the source characterization monitoring wells appear to be indicating that impact is being reduced and groundwater quality is improving. The only exceptions would be Monitoring Wells MW-207A and MW-211B. Recent iron and manganese concentrations at Monitoring Wells MW-207A and MW-211B have been elevated when compared to historical values. Further sampling data, which is collected during the periodic monitoring events, will be needed to confirm if the organic plume is shifting near Monitoring Wells MW-207A and MW-211B and would further degrade groundwater quality.

Further discussion of each natural attenuation parameter is included in the following subsequent sections.

4.4.2.1 TOTAL ORGANIC CARBON

Background TOC concentrations measured in groundwater samples from Monitoring Wells MW-34A, MW-38A, and MW-39B range from less than laboratory RLs (<1.00 milligrams per liter [mg/L]) to 1.17 mg/L. To date, TOC concentrations at source characterization monitoring wells are above these background values. Monitoring Wells MW-16A and MW-206A have TOC concentrations that are the closest to the background values. The highest TOC concentrations have been measured in Monitoring Wells MW-209B and MW-212A. The highest TOC concentrations measured in the source characterization monitoring wells are from Monitoring Well MW-209B (73.7 mg/L – 4/6/2015 and 70.6 – 10/20/2021). However, in recent sampling events, TOC concentrations at Monitoring Well MW-209B have reduced significantly recently with the Spring 2025 Monitoring Event value being 19.1 mg/L.

4.4.2.2 NITRATE AS NITROGEN

Background nitrate as nitrogen concentrations measured in groundwater samples from Monitoring Wells MW-34A, MW-38A, and MW-39B range from less than laboratory RLs (<0.1 mg/L) to 9.89 mg/L. The highest nitrate as nitrogen concentrations in background monitoring wells were measured in groundwater samples collected from MW-38A (8.47 to 9.89 mg/L). Nitrate as nitrogen at Monitoring Well MW-38A could be influenced by agricultural inputs of nitrogen. To date, nitrate as nitrogen concentrations at source characterization monitoring wells have ranged from <0.100 mg/L to 2.10 mg/L. For Monitoring Wells MW-1A, MW-2A-97,

MW-212A, nitrate as nitrogen concentration increased sharply in 2016, but decreased and have been below 0.4 mg/L for the past four years. For Monitoring Wells MW-206A and MW-209B, nitrate as nitrogen concentrations were relatively low in 2015 through 2016 with recent concentrations (2021 through 2024) being elevated. The Spring 2025 nitrate as nitrogen concentration at Monitoring Well MW-206A was below laboratory reporting limits (0.200 mg/L) which is a relatively steep decrease from the 2024 concentration of 2.10 mg/L. Further data is needed to see if this decrease is related to the increase of TOC at monitoring well MW-206A. The nitrate as nitrogen data is indicating mixed results for improved groundwater quality at the source area of the site. This may indicate variability in the groundwater's oxidation state and organic carbon in the plume.

4.4.2.3 IRON

Background iron concentrations measured in groundwater samples from Monitoring Wells MW-34A, MW-38A, and MW-39B range from less than laboratory RLs (<0.1 mg/L) to 0.852 mg/L with one potential outlier at a concentration of 8.22 mg/L. To date, iron concentrations at source characterization monitoring wells have ranged from <0.100 mg/L to 207 mg/L. Monitoring wells MW-16A and MW-206A have iron concentrations that are the closest to the background values. As depicted in **Graph 3**, elevated iron concentrations were measured in Monitoring Wells MW-6B and MW-212A in 2015 but have decreased significantly to the most recent concentrations measured in 2025. This may be indicative of lesser groundwater impact at these monitoring locations. For Monitoring Well MW-211B, recent concentrations are elevated when compared to concentrations measured in 2015 and 2016. Monitoring Wells MW-207A and MW-211B had the most noticeable increases when compared to historical data. The 2025 iron analytical result at Monitoring Well MW-211B is the highest recorded in the Source Characterization Monitoring Wells at a concentration of 207 mg/L. The 2025 iron analytical result at Monitoring Well MW-207A increased to 136 mg/L. Each iron concentration reported at Monitoring Well MW-207A prior to the Spring 2025 Monitoring Event has been less than 32.5 mg/L The elevated concentrations of iron indicate reducing conditions are increasing and could be the result of elevated organic concentrations in groundwater upgradient of monitoring wells MW-207A and MW-211B. Based on these indicators, natural attenuation does not appear to be improving groundwater quality in the area of MW-207A and MW-211B at the time of the Spring 2025 Semiannual Compliance Monitoring Event.

4.4.2.4 MANGANESE

Background manganese concentrations measured in groundwater samples from Monitoring Wells MW-34A, MW-38A, and MW-39B range from less than laboratory RLs (<0.01 mg/L) to 0.323 mg/L with one potential outlier at a concentration of 1.54 mg/L. To date, manganese concentrations at source characterization monitoring wells have ranged from <0.00500 mg/L to 43.4 mg/L. Monitoring Wells MW-16A and MW-206A have manganese concentrations that are the comparable to the background values. As depicted in **Graph 4**, elevated manganese concentrations were measured in Monitoring Wells MW-6B and MW-212A in 2015 but have decreased significantly to the most recent concentrations measured in 2025. This may be indicative of lesser groundwater impact at these monitoring locations. For Monitoring Well MW-211B, recent concentrations are elevated when compared to concentrations measured in 2015 and 2016. MW-211B had the most noticeable increase when compared to historical data

and the highest measured manganese concentration (43.4 mg/L) in the Source Characterization Monitoring Wells. In addition, a relatively large increase in manganese concentration occurred during the Spring 2025 Monitoring Event at Monitoring Well MW-207A (6.64 mg/L) when compared to previous concentrations that were all below 1.41 mg/L. These increases follow a similar increase in iron at Monitoring Wells MW-207A and MW-211B and may be indicative of a shifting organic plume near these monitoring wells. The elevated concentrations of manganese indicate reducing conditions are increasing and could be the result of elevated organic concentrations in groundwater upgradient of monitoring wells MW-207A and MW-211B. Based on these indicators, natural attenuation does not appear to be improving groundwater quality in the area of MW-207A and MW-211B at the time of the Spring 2025 Semiannual Compliance Monitoring Event.

4.4.2.5 SULFATE

Background sulfate concentrations measured in groundwater samples from Monitoring Wells MW-34A, MW-38A, and MW-39B range from 4.67 to 43.7 mg/L. To date, sulfate concentrations at source characterization monitoring wells have ranged from <1.00 mg/L to 789 mg/L. The lowest concentrations of sulfate have been consistently monitored at Monitoring Well MW-209B with each sample being below laboratory RLs except for the Spring 2025 Monitoring Event result which is 11.6 mg/L. MW-209B has consistently had the highest historical TOC and iron concentrations and lowest sulfate concentrations which may indicate the groundwater in this monitored area is in a carbon-dioxide reducing (methanogenic) state. A methanogenic state would indicate strong reducing conditions which implies limited electron acceptor constituents to naturally attenuate large concentrations of organic constituents. Thus, it may take a longer period of time for natural attenuation to reduce organic constituents in groundwater near Monitoring Well MW-209B. However, the lowest TOC measured at Monitoring Well MW-209B occurred during the Spring 2025 Monitoring Event at a concentration of 19.1 mg/L. This may be an early indication that natural attenuation may be effective in this area of the site.

For Monitoring Well MW-212A, the sulfate concentration spiked up in 2022 to a concentration of 789 mg/L. Since 2022, the sulfate concentration has decreased with the 2025 concentration being 373 mg/L. The sharp increase in sulfate concentration also coincided with a rapid reduction in TOC, iron, and manganese. There appeared to be a rapid infusion of sulfate into this area at concentrations that are well above background levels measured in Monitoring Wells MW-34A, MW-38A and MW-39B. During the 2024 monitoring event, sulfate concentration at Monitoring Well MW-1A also spiked up to a concentration of 460 mg/L. The sulfate concentration at Monitoring Well MW-1A decreased to 252 mg/L during the Spring 2025 Monitoring Event. Monitoring Well MW-1A is downgradient of Monitoring Well MW-212A and may indicate migration of elevated sulfate concentrations in the shallow groundwater.

For Monitoring Well MW-6B, the sulfate concentration increased to 309 mg/L during the Spring 2025 Monitoring Event. Historically, sulfate concentrations at MW-6B were below laboratory reporting limits (<1.00 mg/L) during the 2015 and 2016 sampling events. The recent measurements (2021 to 2025) appear to be steadily increasing. This may indicate that natural attenuation may be effective in this area of the site.

5 Quality Assurance/Quality Control

The quality assurance/quality control (QA/QC) protocols for each sampling event include proper sample containers, proper field protocols, and laboratory protocols. The QA/QC results for the Spring 2025 Semiannual Compliance Monitoring Event consisted of the following:

Spring 2025

- 2 Duplicates
- 14 Trip Blanks

Eurofins Environmental Testing North Central, LLC (Eurofins), in Cedar Falls, Iowa is responsible for providing QA/QC of laboratory protocols; this documentation is included in the Spring 2025 Semiannual Compliance Monitoring Event laboratory reports provided in **Appendix C**. The laboratory QA/QC protocols and documentation were reviewed by HDR. For the Spring 2025 Semiannual Compliance Monitoring Event, the laboratory sample receipt checklists indicated all samples were received within holding times, within acceptable temperatures, and sample containers were not broken or leaking except for sulfide analysis for Monitoring Wells MW-11B, MW-16A, MW-18A-07, and MW-206A. Eurofins analyze sulfide at their Chicago, Illinois laboratory. Based on the case narrative, the samples arrived at the Chicago laboratory outside holding time and with elevated sample temperatures that exceed analysis criteria for sulfide. Due to the hold time and temperature exceedances, sulfide is proposed to be resampled at monitoring wells MW-11B, MW-16A, MW-18A-07, and MW-206A during the Fall 2025 Semiannual Compliance Monitoring Event.

5.1 Laboratory Qualifiers

The following qualifiers were noted for some parameters in the Spring 2025 Semiannual Compliance Monitoring Event laboratory analytical reports:

- H : Sample was prepped or analyzed beyond the specified holding time.
    - Sulfide analyses of the groundwater samples for MW-11B, MW-18-07, MW-206A and MW-16A were conducted past the method holding time. The measured concentration for the Spring 2025 groundwater sample was comparable to sulfide concentrations in previous samples collected from these monitoring wells. The concentration result was not rejected; however, these monitoring wells will be resampled during the Fall 2025 Semiannual Compliance Monitoring Event for sulfide analysis.
- J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- *- : Laboratory Control Sample (LCS) and/or Laboratory Control Sample Duplicate (LCSD) is outside acceptance limits, low biased.
- *1 : LCS/LCSD RPD exceeds control limits.
- F1 : Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery exceeds control limits.

All results were noted by the laboratory as not triggering corrective action or requiring re-analysis except for sulfide analysis at Monitoring Wells MW-11B, MW-16A, MW-18-07, and MW-206A.

5.2 Trip Blanks

There were no detections above laboratory reporting limits of monitored constituents within the 14 trip blanks submitted for analysis for the Spring 2025 Semiannual Compliance Monitoring Event.

5.3 Field Duplicates

During the Spring 2025 compliance monitoring event, field duplicate sample one (DUP-1) was obtained from Monitoring Well MW-24A, and field duplicate sample two (DUP-2) was obtained from Monitoring Well MW-31B.

Field duplicate samples were analyzed to determine the relative percent difference (RPD) between the original (parent) sample and the duplicate sample. RPD values are only calculated for constituents detected above the laboratory RL for both the parent and duplicate sample. According to *Practical Guide for Ground-Water Sampling*: “Duplicate sample values which differ by less than ±50% relative difference indicates good error control.” (Barcelona et al, 1985).

Table 14 presents the parent/duplicate sample results along with the calculated RPD values for the Spring 2025 Semiannual Compliance Monitoring Event. Each RPD value is below the recommended 50% for each well-duplicate pair that had concentrations measured above laboratory RLs, except for lead in MW-31B. Some of the duplicate pairs had concentrations in the duplicate sample that were J-flagged, while the concentration in the parent sample was above the laboratory’s RLs. This included nickel for the MW-24A/DUP-1 duplicate pair and arsenic and vanadium for the MW-31B/DUP-2 duplicate pair. To further assess variability and evaluate the precision of the analysis for these duplicate pairs, a general industry standard for evaluating low concentration detections is to compare the absolute difference between the sample and duplicate value to two (2) times the laboratory RL. This comparison for nickel for the MW-24A/DUP-1 duplicate pair and arsenic, lead, and vanadium for the MW-31B/DUP-2 duplicate pair are provided on **Table 14**. The criteria was met for each of these constituents in the duplicate pairs.

Results of the quality assurance/quality control samples did not trigger corrective measures such as resampling or laboratory re-analysis.

6 Recommendations

The following conclusions are made and actions recommended for the continuation of groundwater compliance monitoring at the Landfill:

1. A majority of the groundwater impact is present in monitoring wells adjacent to the Non-Subtitle D Areas (Northern and Eastern Unlined/Clay-Lined Cells) of the Landfill. The sources of impact have been previously identified. Some areas are influenced by

leachate migration while landfill gas migration is the primary source of impact in other areas.

2. The corrective action remedy of source control via leachate and landfill gas management systems along with monitored natural attenuation has been implemented at the Landfill.
3. AZPOC monitoring wells are being utilized to monitor progress of the corrective action remedy. As indicated in the 2024 Spring Sampling Notification dated June 25, 2024 (**IDNR Doc #110314**), it was discussed that sufficient data has been obtained to indicate the corrective action remedy goals have been met. The city is requesting IDNR's response to the summary and recommended the next steps, if any.
4. Evaluation of the natural attenuation parameters indicates that natural attenuation processes are occurring in the groundwater adjacent to the Landfill. However, further assessment would be needed at Monitoring Wells MW-207A and MW-211B since recent parameter concentrations indicate groundwater impact may be increasing.
5. Continue collecting water level and well depth measurements, if scheduled, on a semiannual basis at each HMSP approved monitoring location.
6. Conduct groundwater monitoring and applicable statistical analysis at each HMSP approved monitoring location under the respective monitoring program as summarized on **Table 1** and **Table 2**.

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Figures

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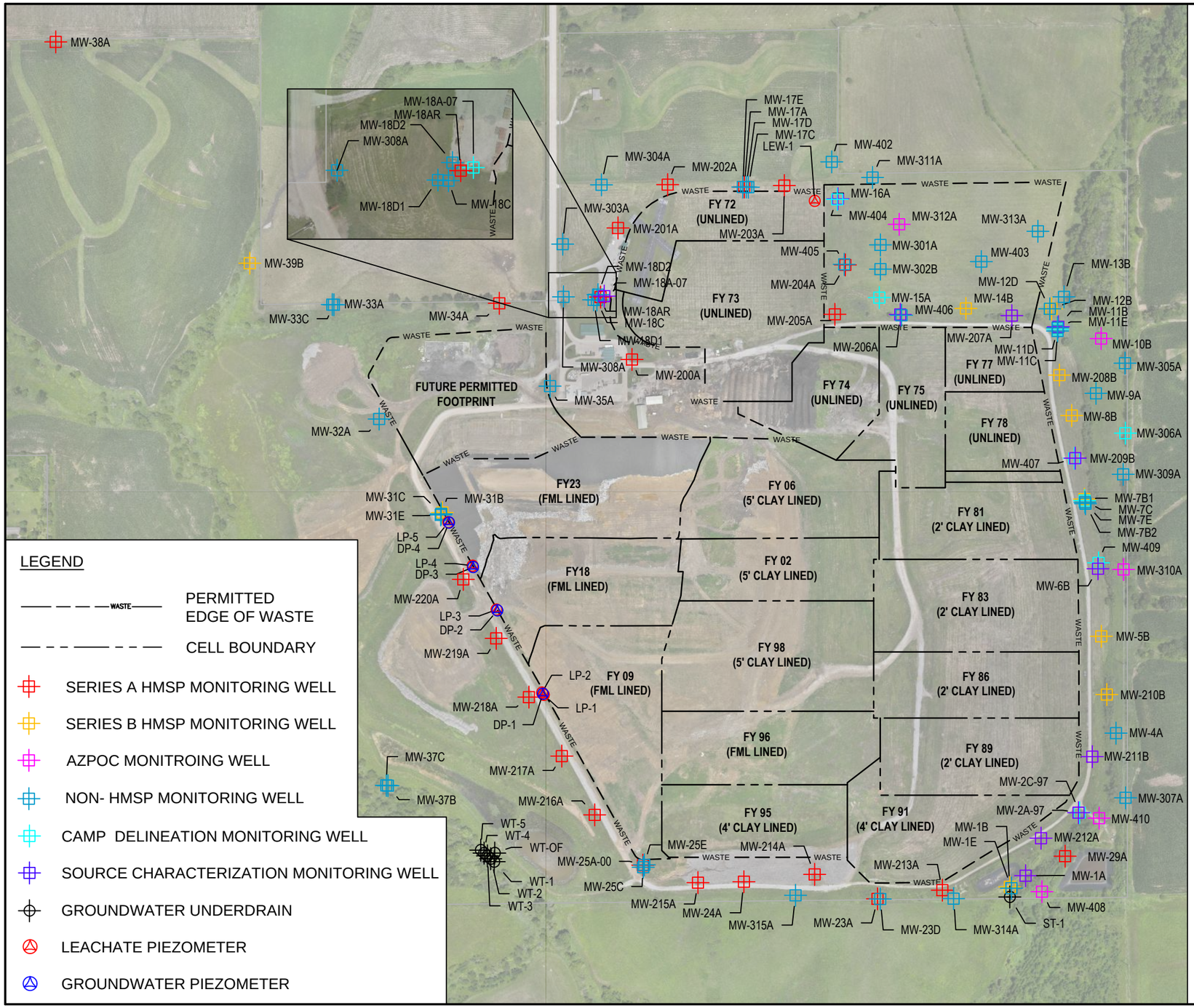

LEGEND

- PERMITTED EDGE OF WASTE
- CELL BOUNDARY
- SERIES A HMSP MONITORING WELL
- SERIES B HMSP MONITORING WELL
- AZPOC MONITROING WELL
- NON- HMSP MONITORING WELL
- CAMP DELINEATION MONITORING WELL
- SOURCE CHARACTERIZATION MONITORING WELL
- GROUNDWATER UNDERDRAIN
- LEACHATE PIEZOMETER
- GROUNDWATER PIEZOMETER

SERIES A HMSP WELLS	
WELL NO.	CURRENT MONITORING PROGRAM
MW-17A	ASSESSMENT
MW-18AR	ASSESSMENT
MW-23A	ASSESSMENT
MW-24A	ASSESSMENT
MW-25A-00	ASSESSMENT
MW-29A	ASSESSMENT
MW-34A	BACKGROUND
MW-38A	BACKGROUND
MW-200A	ASSESSMENT
MW-201A	ASSESSMENT
MW-202A	ASSESSMENT
MW-203A	ASSESSMENT
MW-204A	ASSESSMENT
MW-205A	ASSESSMENT
MW-213A	ASSESSMENT
MW-214A	ASSESSMENT
MW-215A	ASSESSMENT
MW-216A	ASSESSMENT
MW-217A	ASSESSMENT
MW-218A	ASSESSMENT
MW-219A	ASSESSMENT
MW-220A	ASSESSMENT

SERIES B HMSP WELLS	
WELL NO.	CURRENT MONITORING PROGRAM
MW-1B	ASSESSMENT
MW-5B	ASSESSMENT
MW-7B1	ASSESSMENT
MW-8B	ASSESSMENT
MW-12B	ASSESSMENT
MW-14B	ASSESSMENT
MW-31B	BACKGROUND
MW-39B	ASSESSMENT
MW-208B	ASSESSMENT
MW-210B	ASSESSMENT

CAMP DELINEATION WELLS	
WELL NO.	CURRENT MONITORING PROGRAM
MW-2C-97	CAMP
MW-7C	CAMP
MW-11D	CAMP
MW-15A	CAMP
MW-306A	CAMP
MW-404	CAMP
MW-407	CAMP
MW-409	CAMP

AZPOC MONITORING WELLS	
WELL NO.	CURRENT MONITORING PROGRAM
MW-10B	AZPOC
MW-310A	AZPOC
MW-312A	AZPOC
MW-408	AZPOC
MW-410	AZPOC

SOURCE CHARACTERIZATION WELLS	
WELL NO.	CURRENT MONITORING PROGRAM
MW-1A	SOURCE CHARACTERIZATION
MW-2A-97	SOURCE CHARACTERIZATION
MW-6B	SOURCE CHARACTERIZATION
MW-11B	SOURCE CHARACTERIZATION
MW-16A	SOURCE CHARACTERIZATION
MW-18A-07	SOURCE CHARACTERIZATION
MW-206A	SOURCE CHARACTERIZATION
MW-207A	SOURCE CHARACTERIZATION
MW-209B	SOURCE CHARACTERIZATION
MW-211B	SOURCE CHARACTERIZATION
MW-212A	SOURCE CHARACTERIZATION

GROUNDWATER UNDERDRAINS	
WELL NO.	CURRENT MONITORING PROGRAM
ST-1	DETECTION
WT-1	DETECTION
WT-2	DETECTION
WT-3	DETECTION
WT-4	DETECTION
WT-OF	DETECTION

NOTES:

1. AERIAL IMAGERY PROVIDED BY AEROVIEW SERVICES, TAKEN ON JULY 1, 2024.

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SCALE IN FEET

CITY OF IOWA CITY
UNESCO CITY OF LITERATURE

HDR

CITY OF IOWA CITY
LANDFILL AND RECYCLING CENTER

SITE FEATURES

DATE
APRIL 2025

FIGURE
1

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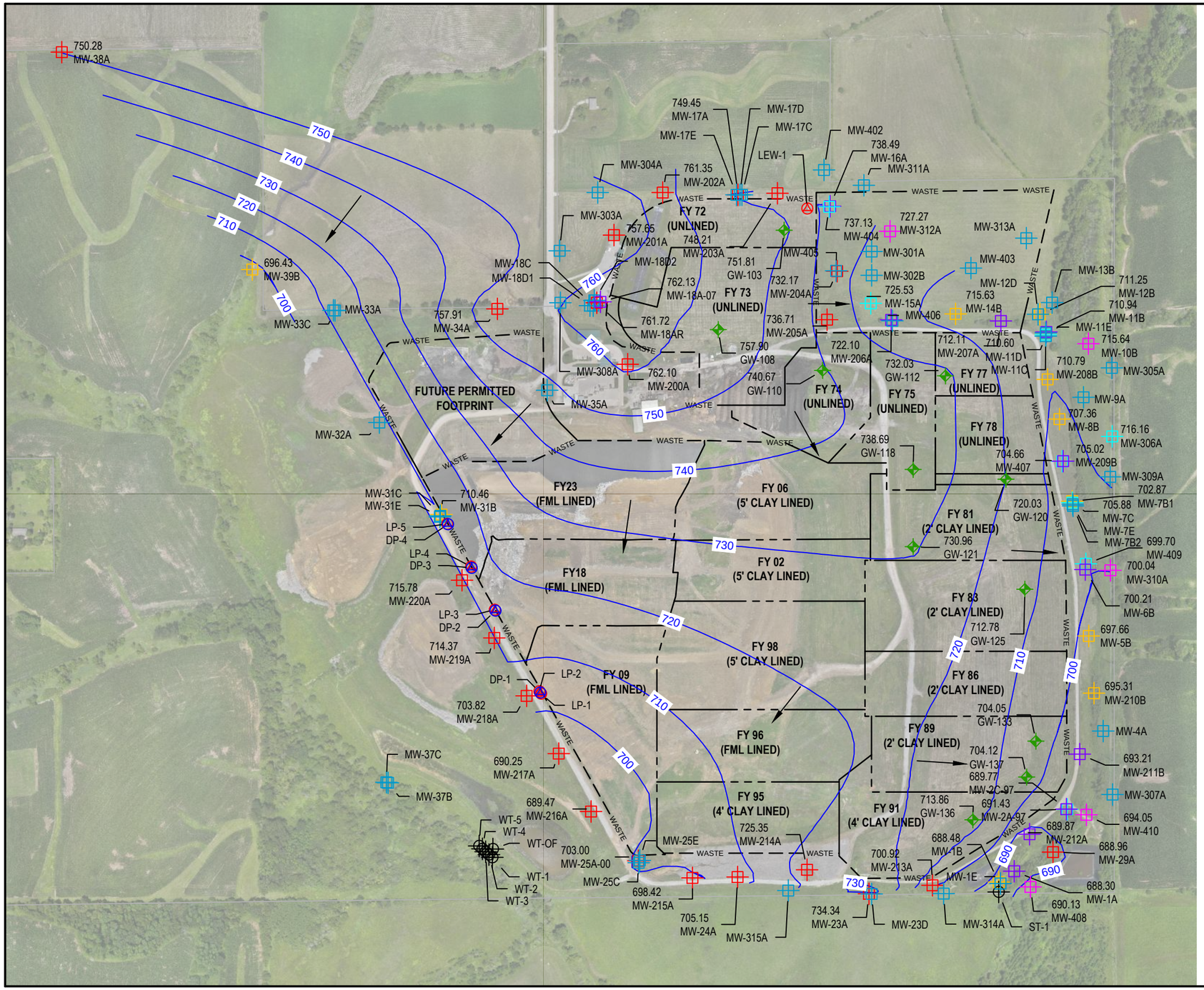

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SCALE IN FEET

LEGEND

- PERMITTED EDGE OF WASTE
- CELL BOUNDARY
- GROUNDWATER CONTOUR
- INFERRED GROUNDWATER CONTOUR
- FLOW DIRECTION
- SERIES A HMSP MONITORING WELL
- SERIES B HMSP MONITORING WELL
- AZPOC MONITROING WELL
- NON- HMSP MONITORING WELL
- CAMP DELINEATION MONITORING WELL
- SOURCE CHARACTERIZATION MONITORING WELL
- GROUNDWATER UNDERDRAIN
- LEACHATE PIEZOMETER
- GROUNDWATER PIEZOMETER
- LFG EXTRACTION WELLS

NOTES:

1. AERIAL IMAGERY PROVIDED BY AEROVIEW SERVICES, TAKEN ON JULY 1, 2024.
2. GROUNDWATER CONTOURS SHOWN ARE BASED OFF OF GROUNDWATER ELEVATIONS TAKEN DURING SAMPLING BY THE CITY DURING THE 2025 SPRING SAMPLING EVENT. GAS WELL LIQUID ELEVATION DATA FROM THE CELLS WITHOUT A FLEXIBLE MEMBRANE LINER (FML) WAS TAKEN FROM APRIL 2025 COLLECTION.

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UNESCO CITY OF LITERATURE

HDR

CITY OF IOWA CITY
LANDFILL AND RECYCLING CENTER

SPRING 2025 - GROUNDWATER CONTOURS
SPRING 2025 SEMIANNUAL STATISTICAL REPORT

DATE
APRIL 2025

FIGURE
2

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Tables & Graphs

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Table 1
Monitoring Program Summary
2025 Spring Statistical Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Monitoring Well	Formation[(1)]	Current Monitoring Program (Spring 2025)	Change for next sampling event	Constituents w/ SSI	Constituents w/ SSL	Total Number of Samples in Each Monitoring Program		
						Detection	Assessment	Corrective Action
Series A Monitoring Wells								
MW-34A	Sandy Silty Clay	Background	No Change	Not applicable	Not applicable	34		
MW-38A	Sandy Lean Clay	Background	No Change	Not applicable	Not applicable	23		
MW-17A-00	Sandy Silty Clay	Assessment	No Change	None	None		40	
MW-18AR	Silty Clay	Assessment	No Change	Barium; Dichlorodifluoromethane; Tetrachloroethene	None		14	
MW-23A	Unknown	Assessment	No Change	None	None		31	
MW-24A	Loess/Glacial Till	Assessment	No Change	None	None		33	
MW-25A-00	Loess/Glacial Till	Assessment	No Change	None	None		36	
MW-29A	Sandy Silty Clay	Assessment	No Change	None	None		35	
MW-200A	Glacial Till	Assessment	No Change	Barium	None		32	
MW-201A	Loess/Glacial Till	Assessment	No Change	None	None		31	
MW-202A	Glacial Till	Assessment	No Change	None	None		29	
MW-203A	Glacial Till	Assessment	No Change	None	None		29	
MW-204A	Alluvium/Glacial Till	Assessment	No Change	None	None		29	
MW-205A	Alluvium/Glacial Till	Assessment	No Change	None	None		33	
MW-213A	Glacial Till	Assessment	No Change	None	None		32	
MW-214A	Glacial Till	Assessment	No Change	None	None		29	
MW-215A	Glacial Till	Assessment	No Change	None	None		28	
MW-216A	Sandy Lean Clay	Assessment	No Change	None	None		28	
MW-217A	Sandy Lean Clay	Assessment	No Change	None	None		28	
MW-218A	Sandy Lean Clay	Assessment	No Change	None	None		28	
MW-219A	Sandy Lean Clay	Assessment	No Change	None	None		28	
MW-220A	Clayey Sand	Assessment	No Change	None	None		28	

Table 1
Monitoring Program Summary
2025 Spring Statistical Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Monitoring Well	Formation[(1)]	Current Monitoring Program (Spring 2025)	Change for next sampling event	Constituents w/ SSI	Constituents w/ SSL	Total Number of Samples in Each Monitoring Program		
						Detection	Assessment	Corrective Action
Series B Monitoring Wells								
MW-39B	Sandy Lean Clay	Background	No Change	Not applicable	Not applicable	21		
MW-1B	Unknown	Assessment/CAMP	No Change	None	None		34	
MW-5B	Unknown	Assessment	No Change	None	None		33	
MW-7B1	Unknown	Assessment	No Change	None	None		32	
MW-8B	Unknown	Assessment	No Change	None	None		32	
MW-12B	Unknown	Assessment	No Change	None	None		30	
MW-14B	Alluvium/Glacial Till	Assessment	No Change	None	None		32	
MW-31B	Glacial Till	Assessment	No Change	None	None		37	
MW-208B	Alluvium/Glacial Till	Assessment	No Change	None	None		28	
MW-210B	Alluvium	Assessment	No Change	None	None		29	
Groundwater Underdrains								
ST-1	Not Applicable	Detection	No Change	Not applicable (no samples)	Not applicable	0		
WT-1	Not Applicable	Detection	No Change	Chromium, Copper, Lead, Vanadium	Not applicable	16		
WT-2	Not Applicable	Detection	No Change	Cadmium, Chromium, Cobalt, Copper, Lead, Vanadium, Zinc	Not applicable	16		
WT-3	Not Applicable	Detection	No Change	Barium	Not applicable	16		
WT-4	Not Applicable	Detection	No Change	None	Not applicable	16		
WT-OF	Not Applicable	Detection	No Change	None	Not applicable	4		
Attenuation Zone Point of Compliance (AZPOC)								
MW-310A	Sandy Lean Clay	CAMP	No Change	None	None			30
MW-312A	Sandy Lean Clay	CAMP	No Change	None	None			17
MW-1B	Unknown	CAMP	No Change	None	None			32
MW-10B	Unknown	CAMP	No Change	None	None			28
MW-408	Glacial Till/Sand	CAMP	No Change	None	Not applicable			8
MW-410	Sandy Lean Clay	CAMP	No Change	None	Not applicable			8

Table 1
Monitoring Program Summary
2025 Spring Statistical Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Monitoring Well	Formation[1]	Current Monitoring Program (Spring 2025)	Change for next sampling event	Constituents w/ SSI	Constituents w/ SSL	Total Number of Samples in Each Monitoring Program		
						Detection	Assessment	Corrective Action
Source Characterization								
MW-1A	Unknown	Source Characterization	No Change	Not applicable	Not applicable			36
MW-2A-97	Clay	Source Characterization	No Change	Not applicable	Not applicable			36
MW-16A	Glacial Till	Source Characterization	No Change	Not applicable	Not applicable			35
MW-18A-07 [2]	Sandy Lean Clay	Source Characterization	No Change	Not applicable	Not Applicable			33
MW-206A	Glacial Till	Source Characterization	No Change	Not applicable	Not applicable			33
MW-207A	Alluvium	Source Characterization	No Change	Not applicable	Not applicable			33
MW-212A	Glacial Till	Source Characterization	No Change	Not applicable	Not applicable			33
MW-6B	Unknown	Source Characterization	No Change	Not applicable	Not applicable			37
MW-11B	Unknown	Source Characterization	No Change	Not applicable	Not applicable			36
MW-209B	Alluvium	Source Characterization	No Change	Not applicable	Not applicable			33
MW-211B	Glacial Till	Source Characterization	No Change	Not applicable	Not applicable			31
Corrective Action/Bracketing								
MW-15A	Unknown	CAMP Delineation	No Change	Not applicable	Not Applicable			18
MW-2C-97	Unknown	CAMP Delineation	No Change	Not applicable	Not Applicable			11
MW-7C	Unknown	CAMP Delineation	No Change	Not applicable	Not Applicable			11
MW-306A	Sandy Lean Clay	CAMP Delineation	No Change	Not applicable	Not Applicable			18
MW-407	Sandy Lean Clay	CAMP Delineation	No Change	Not applicable	Not Applicable			13
MW-409	Silty Sand	CAMP Delineation	No Change	Not applicable	Not Applicable			9
MW-11D	Unknown	CAMP Delineation	No Change	Not applicable	Not Applicable			13
MW-404	Sandy Lean Clay	CAMP Delineation	No Change	Not applicable	Not Applicable			13

NOTES:

[1] Obtained from screened interval on boring logs or cross-sections.

[2] The Iowa Department of Natural Resources approved HDR's recommendation in a letter dated November 13, 2024, for monitoring well MW-18A-07 to move from a bracketing/delineation monitoring well to a source characterization well.

* A potential SSI was identified for the constituent. Confirmation of the SSI will be evaluated pending the results of a verification sampling event.

CAMP - Corrective Action Monitoring Plan

SSI - Statistically Significant Increase

SSL - Statistically Significant Level

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Table 2
Monitoring Program Implementation Schedule
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Monitoring Well	Recent Sampling Dates and Constituents			Upcoming Sampling Dates and Constituents		Full Appendix II Sample Dates	
	October 2024	February 2025	April/ May 2025	October 2025	April 2026	Previously Collected	Next Event
Series A Monitoring Event							
MW-34A			Appendix I, TSS		Appendix I, TSS	Not Applicable	Not Applicable
MW-38A			Appendix I, TSS		Appendix I, TSS	Not Applicable	Not Applicable
MW-17A-00			Appendix II, TSS		Metals List, TSS	4/14/2009, 5/10/2010, 10/5/2015, 3/30/2020, 4/23/2025	2030
MW-18AR	Metals List, TSS, Appendix I VOCs, Dichlorodifluoromethane, Sulfide		Metals List, TSS, Appendix I VOCs, Dichlorodifluoromethane, Sulfide	Metals List, TSS, Appendix I VOCs, Dichlorodifluoromethane, Sulfide	Metals List, TSS, Appendix I VOCs, Dichlorodifluoromethane, Sulfide	3/30/2020, 10/20/2021	2026
MW-23A			Appendix II, TSS		Metals List, TSS	4/14/2009, 5/10/2010, 10/5/2015, 3/30/2020, 5/8/2025	2030
MW-24A	Metals List, TSS		Appendix II, TSS	Metals List, TSS	Metals List, TSS	4/14/2009, 5/10/2010, 10/5/2015, 3/30/2020, 5/7/2025	2030
MW-25A-00	Appendix I, TSS		Appendix II, TSS	Appendix I, TSS	Appendix I, TSS	4/14/2009, 5/10/2010, 10/5/2015, 3/30/2020, 5/8/2025	2030
MW-29A	Metals List, TSS, Appendix I VOCs		Appendix II, TSS	Metals List, TSS, Appendix I VOCs, Silvex (2,4,5-TP)	Metals List, TSS, Appendix I VOCs, Silvex (2,4,5-TP)	4/14/2009, 5/10/2010, 10/5/2015, 3/30/2020, 5/5/2025	2030
MW-200A	Metals List, TSS, Appendix I VOCs, Dichlorodifluoromethane		Metals List, TSS, Appendix I VOCs, Dichlorodifluoromethane	Metals List, TSS, Appendix I VOCs, Dichlorodifluoromethane	Metals List, TSS, Appendix I VOCs, Dichlorodifluoromethane	4/4/2011, 4/4/2016, 10/20/2021	2026
MW-201A	Metals List, TSS, Appendix I VOCs		Appendix II, TSS	Metals List, TSS, Appendix I VOCs, PCB-1221	Metals List, TSS, Appendix I, VOCs, PCB-1221	5/10/2010, 10/5/2015, 3/30/2020, 5/6/2025	2030
MW-202A			Appendix II, TSS		Metals List, TSS	5/10/2010, 10/5/2015, 3/30/2020, 4/23/2025	2030
MW-203A			Appendix II, TSS		Metals List, TSS	5/10/2010, 10/5/2015, 3/30/2020, 5/6/2025	2030
MW-204A			Appendix II, TSS		Metals List, TSS	5/10/2010, 10/5/2015, 3/30/2020, 4/24/2025	2030
MW-205A			Metals List, TSS		Appendix II, TSS	4/4/2011, 4/4/2016, 10/20/2021	2026
MW-213A			Metals List, TSS		Appendix II, TSS	4/4/2011, 4/4/2016, 10/27/2021	2026
MW-214A			Appendix II, TSS		Metals List, TSS	5/10/2010, 10/5/2015, 3/30/2020, 4/23/2025	2030
MW-215A			Appendix II, TSS		Metals List, TSS	5/10/2010, 10/5/2015, 3/30/2020, 5/7/2025	2030
MW-216A	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	7/10/2013, 4/23/2018, 5/4/2023	2028
MW-217A	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	7/10/2013, 4/23/2018, 5/4/2023	2028
MW-218A	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	7/10/2013, 4/23/2018, 5/4/2023	2028
MW-219A	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	7/10/2013, 4/23/2018, 5/4/2023	2028
MW-220A	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	7/10/2013, 4/23/2018, 5/4/2023	2028
MW-310A	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
MW-312A	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
MW-408	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
MW-410	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable

Table 2
Monitoring Program Implementation Schedule
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Monitoring Well	Recent Sampling Dates and Constituents			Upcoming Sampling Dates and Constituents		Full Appendix II Sample Dates	
	October 2024	February 2025	April/ May 2025	October 2025	April 2026	Previously Collected	Next Event
Series B Monitoring Wells							
MW-39B			Appendix I, TSS		Appendix I, TSS	Not Applicable	Not Applicable
MW-1B	Appendix I, TSS		Appendix II, TSS	Appendix I, TSS	Appendix I, TSS	4/14/2009, 5/20/2010, 10/5/2015, 3/30/2020, 5/6/2025	2030
MW-5B			Appendix II, TSS		Metals List, TSS	4/14/2009, 5/20/2010, 10/5/2015, 3/30/2020, 5/6/2025	2030
MW-7B1			Appendix II, TSS		Metals List, TSS	4/14/2009, 5/20/2010, 10/5/2015, 3/30/2020, 5/6/2025	2030
MW-8B			Appendix II, TSS		Metals List, TSS	4/14/2009, 5/20/2010, 10/5/2015, 3/30/2020,4/25/2025	2030
MW-10B	Appendix I, TSS	Selenium, Toluene, TSS	Appendix II, TSS	Appendix II, TSS	Appendix I, TSS	4/25/2025	2025
MW-12B			Metals List, TSS, Bis[2-ethylhexyl]phthalate		Metals List, TSS, Bis[2-ethylhexyl]phthalate	4/14/2009, 5/20/2010, 4/17/2017, 5/2/2022	2027
MW-14B			Appendix II, TSS		Metals List, TSS	4/14/2009, 5/20/2010, 10/5/2015, 3/30/2020, 4/23/2025	2030
MW-31B	Appendix I, TSS		Appendix II, TSS	Appendix I, TSS	Appendix I, TSS	4/14/2009, 5/20/2010, 10/5/2015, 3/30/2020, 5/7/2025	2030
MW-208B			Appendix II, TSS		Metals List, TSS	9/2/2009, 10/15/2014, 10/5/2015, 3/30/2020, 4/25/2025	2030
MW-210B			Appendix II, TSS		Metals List, TSS	1/2/2010, 5/10/2010, 10/5/2015, 3/30/2020, 5/5/2025	2030
Groundwater Underdrains							
ST-1	Not sampled (dry)		Not sampled (dry)	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
WT-1	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
WT-2	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
WT-3	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
WT-4	Appendix I, TSS		Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
WT-OF	Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	Appendix I, TSS	Not Applicable	Not Applicable
Source Characterization							
MW-1A	Appendix I, TSS		Appendix II, TSS, Natural Attenuation	Appendix I, TSS	Appendix I, TSS, Natural Attenuation	4/14/2009, 5/10/2010, 10/5/2015, 3/30/2020, 5/8/2025	2030
MW-2A-97	Appendix I, TSS		Appendix II, TSS, Natural Attenuation	Appendix I, TSS	Appendix I, TSS, Natural Attenuation	4/14/2009, 5/10/2010, 10/5/2015, 3/30/2020, 5/8/2025	2030
MW-16A	Appendix I, TSS, Dichlorodifluoromethane		Appendix II, TSS, Natural Attenuation	Appendix I, TSS, Sulfide*, Silvex (2,4,5-TP)	Appendix I, TSS, Silvex (2,4,5-TP), Natural Attenuation	4/14/2009, 5/10/2010, 10/5/2015, 3/30/2020, 4/29/2025	2030
MW-18A-07	Monitored under the Corrective Action / Bracketing monitoring program.		Appendix II, TSS, Natural Attenuation	Appendix I, TSS, Sulfide*	Appendix I, TSS, Natural Attenuation	4/14/2009, 5/10/2010, 10/5/2015, 3/30/2020, 4/29/2025	2030
MW-206A	Appendix I, TSS, Dichlorodifluoromethane		Appendix II, TSS, Natural Attenuation	Appendix I, TSS, Sulfide*	Appendix I, TSS, Natural Attenuation	5/10/2010, 10/5/2015, 3/30/2020, 4/29/2025	2030
MW-207A	Appendix I, TSS, Sulfide		Appendix II, TSS, Natural Attenuation	Appendix I, TSS	Appendix I, TSS, Natural Attenuation	5/10/2010, 10/5/2015, 3/30/2020, 4/28/2025	2030

Table 2
Monitoring Program Implementation Schedule
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Monitoring Well	Recent Sampling Dates and Constituents			Upcoming Sampling Dates and Constituents		Full Appendix II Sample Dates	
	October 2024	February 2025	April/ May 2025	October 2025	April 2026	Previously Collected	Next Event
Source Characterization (continued)							
MW-212A	Appendix I, TSS		Appendix II, TSS, Natural Attenuation	Appendix I, TSS	Appendix I, TSS, Natural Attenuation	5/10/2010, 10/5/2015, 3/30/2020, 4/28/2025	2030
MW-6B	Appendix I, TSS, Sulfide		Appendix II, TSS, Natural Attenuation	Appendix I, TSS	Appendix I, TSS, Natural Attenuation	4/14/2009, 5/20/2010, 10/5/2015, 3/30/2020, 4/28/2025	2030
MW-11B	Appendix I, TSS		Appendix II, TSS, Natural Attenuation	Appendix I, TSS, Sulfide*	Appendix I, TSS, Natural Attenuation	4/14/2009, 5/20/2010, 10/5/2015, 3/30/2020, 4/29/2025	2030
MW-209B	Appendix I, TSS, 2,4,5-TP [Silvex], beta-BHC, Sulfide		Appendix II, TSS, Natural Attenuation	Appendix I, TSS, 2,4,5-TP [Silvex], Sulfide	Appendix I, TSS, 2,4,5-TP [Silvex], Sulfide	5/10/2010, 10/5/2015, 3/30/2020, 4/28/2025	2030
MW-211B	Appendix I, TSS		Appendix I, TSS, Natural Attenuation	Appendix I, TSS	Appendix I, TSS, Natural Attenuation	4/4/2011, 4/4/2016, 10/20/2021	2026
Corrective Action/Bracketing							
MW-18A-07	Arsenic, Cobalt, TSS, Benzene, Sulfide, Tetrachloroethene, Trichloroethene, Vinyl Chloride	Monitored under the Source Characterization monitoring program.		Monitored under the Source Characterization monitoring program.		Not Applicable	Not Applicable
MW-15A	Arsenic, TSS		Arsenic, TSS	Arsenic, TSS	Arsenic, TSS	Not Applicable	Not Applicable
MW-2C-97	Cobalt, TSS		Cobalt, TSS	Cobalt, TSS	Cobalt, TSS	Not Applicable	Not Applicable
MW-7C	Arsenic, TSS		Arsenic, TSS	Arsenic, TSS	Arsenic, TSS	Not Applicable	Not Applicable
MW-306A	Arsenic, TSS, Benzene		Arsenic, TSS, Benzene	Arsenic, TSS, Benzene	Arsenic, TSS, Benzene	Not Applicable	Not Applicable
MW-407	Arsenic, TSS, Benzene, Sulfide		Arsenic, TSS, Benzene, Sulfide	Arsenic, TSS, Benzene, Sulfide	Arsenic, TSS, Benzene, Sulfide	Not Applicable	Not Applicable
MW-409	Arsenic, Cobalt, TSS		Arsenic, Cobalt, TSS	Arsenic, Cobalt, TSS	Arsenic, Cobalt, TSS	Not Applicable	Not Applicable
MW-11D	Arsenic, TSS		Arsenic, TSS	Arsenic, TSS	Arsenic, TSS	Not Applicable	Not Applicable
MW-404	Tetrachloroethene, Trichloroethene, Vinyl Chloride		Tetrachloroethene, Trichloroethene, Vinyl Chloride	Tetrachloroethene, Trichloroethene, Vinyl Chloride	Tetrachloroethene, Trichloroethene, Vinyl Chloride	Not Applicable	Not Applicable

NOTES:
Metals List: Arsenic, Barium, Cobalt, Copper, Lead, Nickel.
Natural Attenuation Constituents: Total Organic Carbon, Nitrate as Nitrogen, Iron, Manganese, Sulfate.
TSS - Total Suspended Solids
* Due to holding time and temperature exceedances for the groundwater samples collected in the previous sampling event, sulfide will be analyzed during the monitoring event to confirm if the constituent is present above laboratory reporting limits.

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Table 3
Monitoring Well Maintenance and Performance Reevaluation Schedule
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Compliance with:	2023	2024	2025	2026	2027
567 IAC 113.10(2)"f"(1): high and low water levels (biennial)		Completed		Scheduled	
567 IAC 113.10(2)"f"(2): changes in the hydrologic setting and flow paths	Completed	Completed	Completed	Scheduled	Scheduled
567 IAC 113.10(2)"f"(3): well depths	Completed	Completed	Completed	Scheduled	Scheduled
567 IAC 113.10(2)"f"(4): well recharge rates and chemistry (biennial)		Completed		Scheduled	
567 IAC 113.6(2)"i": Waste separation from ground water	Completed	Completed	Scheduled	Scheduled	Scheduled

COMMENTS:

● Spring 2025 semiannual groundwater elevations are shown in **Table 4**.

● Groundwater flow directions are consistent with historical groundwater flow data and measurements collected from the Site monitoring network. Flow directions for the Spring 2025 semiannual monitoring events are depicted in **Figure 2.**

● Monitoring well depths are shown on field sampling forms in **Appendix B** and **Table 4.** Each measured well depth conducted in Spring 2025 monitoring event is generally consistent with historical measured depths.

● Monitoring well recharge rates and chemistry are shown on field sampling forms in **Appendix B**.

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Table 4
Monitoring Well Maintenance and Performance Summary - Monitoring and Delineation Wells
2024 Annual Water Quality Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Top of Casing (FT. AMSL)	Top of Screen (FT. AMSL)	Total Depth (FT. BTOC)	Measurement Description	Date of Measurements		Maximum Depth Discrepancy (FT.)	Fall 2024 Levels (at start and end of purging)	Spring 2025 Levels (at start and end of purging)
					Oct-24	Apr-25		(FT. BTOC)	(FT. BTOC)
MW-1A	699.18	680.00	29.2	Static Water Level (FT.)	14.55	10.88	0.20	14.55	10.88
				Groundwater Elevation (FT. AMSL)	684.63	688.30			
				Measured Well Depth (FT.)	29.00	29.00		17.61	13.31
				Submerged Screen	Yes	Yes			
MW-1B	696.29	670.95	35.3	Static Water Level (FT.)	11.48	7.81	0.39	11.48	7.81
				Groundwater Elevation (FT. AMSL)	684.81	688.48			
				Measured Well Depth (FT.)	35.69	35.69		11.80	8.13
				Submerged Screen	Yes	Yes			
MW-2A-97	710.78	693.20	27.6	Static Water Level (FT.)	23.40	19.35	0.22	23.40	19.35
				Groundwater Elevation (FT. AMSL)	687.38	691.43			
				Measured Well Depth (FT.)	27.82	27.82		24.14	20.07
				Submerged Screen	No	No			
MW-5B	709.55	696.55	23.1	Static Water Level (FT.)	N/A	11.89	0.30	N/A	11.89
				Groundwater Elevation (FT. AMSL)	N/A	697.66			
				Measured Well Depth (FT.)	N/A	23.40		N/A	15.82
				Submerged Screen	N/A	Yes			
MW-6B	712.52	694.87	22.7	Static Water Level (FT.)	15.82	12.31	0.60	15.82	12.31
				Groundwater Elevation (FT. AMSL)	696.70	700.21			
				Measured Well Depth (FT.)	23.25	23.25		16.44	13.15
				Submerged Screen	Yes	Yes			
MW-7B1	714.31	692.38	26.9	Static Water Level (FT.)	N/A	11.44	1.35	N/A	11.44
				Groundwater Elevation (FT. AMSL)	N/A	702.87			
				Measured Well Depth (FT.)	N/A	25.55		N/A	12.22
				Submerged Screen	N/A	Yes			
MW-8B	717.22	704.89	22.3	Static Water Level (FT.)	N/A	9.86	0.48	N/A	9.86
				Groundwater Elevation (FT. AMSL)	N/A	707.36			
				Measured Well Depth (FT.)	N/A	22.78		N/A	12.00
				Submerged Screen	N/A	Yes			
MW-11B	718.65	706.28	22.4	Static Water Level (FT.)	10.02	7.71	0.17	10.02	7.71
				Groundwater Elevation (FT. AMSL)	708.63	710.94			
				Measured Well Depth (FT.)	22.23	22.23		11.96	9.62
				Submerged Screen	Yes	Yes			
MW-12B	714.55	700.40	19.2	Static Water Level (FT.)	N/A	3.30	0.00	N/A	3.30
				Groundwater Elevation (FT. AMSL)	N/A	711.25			
				Measured Well Depth (FT.)	N/A	19.20		N/A	3.81
				Submerged Screen	N/A	Yes			
MW-14B	720.92	711.47	20.1	Static Water Level (FT.)	N/A	5.29	0.11	N/A	5.29
				Groundwater Elevation (FT. AMSL)	N/A	715.63			
				Measured Well Depth (FT.)	N/A	20.20		N/A	6.05
				Submerged Screen	N/A	Yes			

Table 4
Monitoring Well Maintenance and Performance Summary - Monitoring and Delineation Wells
2024 Annual Water Quality Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Top of Casing (FT. AMSL)	Top of Screen (FT. AMSL)	Total Depth (FT. BTOC)	Measurement Description	Date of Measurements		Maximum Depth Discrepancy (FT.)	Fall 2024 Levels (at start and end of purging)	Spring 2025 Levels (at start and end of purging)
					Oct-24	Apr-25		(FT. BTOC)	(FT. BTOC)
MW-16A	753.12	739.36	24.4	Static Water Level (FT.)	15.45	14.63	0.32	15.45	14.63
				Groundwater Elevation (FT. AMSL)	737.67	738.49			
				Measured Well Depth (FT.)	24.05	24.05		16.19	15.36
				Submerged Screen	No	No			
MW-17A-00	772.20	747.44	39.9	Static Water Level (FT.)	N/A	22.75	0.41	N/A	22.75
				Groundwater Elevation (FT. AMSL)	N/A	749.45			
				Measured Well Depth (FT.)	N/A	40.31		N/A	24.71
				Submerged Screen	N/A	Yes			
MW-18AR	786.31	768.70	32.6	Static Water Level (FT.)	24.19	24.59	0.72	24.19	24.59
				Groundwater Elevation (FT. AMSL)	762.12	761.72			
				Measured Well Depth (FT.)	33.32	33.32		24.74	25.24
				Submerged Screen	No	No			
MW-23A	746.64	710.28	45.4	Static Water Level (FT.)	N/A	12.30	0.31	N/A	12.30
				Groundwater Elevation (FT. AMSL)	N/A	734.34			
				Measured Well Depth (FT.)	N/A	45.71		N/A	15.35
				Submerged Screen	N/A	Yes			
MW-24A	731.97	697.66	44.3	Static Water Level (FT.)	29.36	26.82	1.06	29.36	26.82
				Groundwater Elevation (FT. AMSL)	702.61	705.15			
				Measured Well Depth (FT.)	45.36	45.36		30.54	30.53
				Submerged Screen	Yes	Yes			
MW-25A-00	713.80	696.33	32.9	Static Water Level (FT.)	19.33	10.80	2.92	19.33	10.80
				Groundwater Elevation (FT. AMSL)	694.47	703.00			
				Measured Well Depth (FT.)	29.93	29.93		19.90	13.20
				Submerged Screen	No	Yes			
MW-29A	696.27	686.59	20.1	Static Water Level (FT.)	13.25	7.31	0.02	13.25	7.31
				Groundwater Elevation (FT. AMSL)	683.02	688.96			
				Measured Well Depth (FT.)	20.08	20.08		13.97	9.30
				Submerged Screen	No	Yes			
MW-31B	749.37	713.90	45.5	Static Water Level (FT.)	36.86	38.91	0.20	36.86	38.91
				Groundwater Elevation (FT. AMSL)	712.51	710.46			
				Measured Well Depth (FT.)	45.70	45.70		37.71	37.38
				Submerged Screen	No	No			
MW-34A	779.63	761.88	27.8	Static Water Level (FT.)	N/A	21.72	0.02	N/A	21.72
				Groundwater Elevation (FT. AMSL)	N/A	757.91			
				Measured Well Depth (FT.)	N/A	27.78		N/A	22.61
				Submerged Screen	N/A	No			
MW-38A	768.12	744.75	38.4	Static Water Level (FT.)	N/A	17.84	2.02	N/A	17.84
				Groundwater Elevation (FT. AMSL)	N/A	750.28			
				Measured Well Depth (FT.)	N/A	36.38		N/A	20.57
				Submerged Screen	N/A	Yes			

Table 4
Monitoring Well Maintenance and Performance Summary - Monitoring and Delineation Wells
2024 Annual Water Quality Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Top of Casing (FT. AMSL)	Top of Screen (FT. AMSL)	Total Depth (FT. BTOC)	Measurement Description	Date of Measurements		Maximum Depth Discrepancy (FT.)	Fall 2024 Levels (at start and end of purging)	Spring 2025 Levels (at start and end of purging)
					Oct-24	Apr-25		(FT. BTOC)	(FT. BTOC)
MW-39B	705.21	698.23	17.0	Static Water Level (FT.)	N/A	8.78	0.00	N/A	8.78
				Groundwater Elevation (FT. AMSL)	N/A	696.43			
				Measured Well Depth (FT.)	N/A	17.00		N/A	9.34
				Submerged Screen	N/A	No			
MW-200A	782.97	762.82	35.2	Static Water Level (FT.)	20.47	20.87	0.18	20.47	20.87
				Groundwater Elevation (FT. AMSL)	762.50	762.10			
				Measured Well Depth (FT.)	35.38	35.38		21.24	21.51
				Submerged Screen	No	No			
MW-201A	779.90	766.79	28.1	Static Water Level (FT.)	24.46	22.25	0.18	24.46	22.25
				Groundwater Elevation (FT. AMSL)	755.44	757.65			
				Measured Well Depth (FT.)	28.28	28.28		25.55	22.58
				Submerged Screen	No	No			
MW-202A	778.20	758.93	34.3	Static Water Level (FT.)	N/A	16.85	0.24	N/A	16.85
				Groundwater Elevation (FT. AMSL)	N/A	761.35			
				Measured Well Depth (FT.)	N/A	34.54		N/A	19.09
				Submerged Screen	N/A	Yes			
MW-203A	769.50	751.35	33.2	Static Water Level (FT.)	N/A	21.29	0.03	N/A	21.29
				Groundwater Elevation (FT. AMSL)	N/A	748.21			
				Measured Well Depth (FT.)	N/A	33.17		N/A	22.12
				Submerged Screen	N/A	No			
MW-204A	741.90	728.90	23.0	Static Water Level (FT.)	N/A	9.73	0.14	N/A	9.73
				Groundwater Elevation (FT. AMSL)	N/A	732.17			
				Measured Well Depth (FT.)	N/A	23.14		N/A	10.71
				Submerged Screen	N/A	Yes			
MW-205A	747.69	736.59	21.1	Static Water Level (FT.)	N/A	10.98	0.50	N/A	10.98
				Groundwater Elevation (FT. AMSL)	N/A	736.71			
				Measured Well Depth (FT.)	N/A	21.60		N/A	12.29
				Submerged Screen	N/A	Yes			
MW-206A	731.60	721.43	20.2	Static Water Level (FT.)	12.05	9.50	0.09	12.05	9.50
				Groundwater Elevation (FT. AMSL)	719.55	722.10			
				Measured Well Depth (FT.)	20.11	20.11		12.93	10.41
				Submerged Screen	No	Yes			
MW-207A	717.60	708.41	19.2	Static Water Level (FT.)	6.90	5.49	0.12	6.90	5.49
				Groundwater Elevation (FT. AMSL)	710.70	712.11			
				Measured Well Depth (FT.)	19.08	19.08		7.31	6.03
				Submerged Screen	Yes	Yes			
MW-208B	720.20	710.01	20.2	Static Water Level (FT.)	N/A	9.41	0.08	N/A	9.41
				Groundwater Elevation (FT. AMSL)	N/A	710.79			
				Measured Well Depth (FT.)	N/A	20.12		N/A	10.96
				Submerged Screen	N/A	Yes			

Table 4
Monitoring Well Maintenance and Performance Summary - Monitoring and Delineation Wells
2024 Annual Water Quality Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Top of Casing (FT. AMSL)	Top of Screen (FT. AMSL)	Total Depth (FT. BTOC)	Measurement Description	Date of Measurements		Maximum Depth Discrepancy (FT.)	Fall 2024 Levels (at start and end of purging)	Spring 2025 Levels (at start and end of purging)
					Oct-24	Apr-25		(FT. BTOC)	(FT. BTOC)
MW-209B	715.90	702.86	23.0	Static Water Level (FT.)	14.48	10.88	0.10	14.48	10.88
				Groundwater Elevation (FT. AMSL)	701.42	705.02			
				Measured Well Depth (FT.)	23.10	23.10		15.01	11.35
				Submerged Screen	No	Yes			
MW-210B	700.50	690.39	20.1	Static Water Level (FT.)	N/A	5.19	0.20	N/A	5.19
				Groundwater Elevation (FT. AMSL)	N/A	695.31			
				Measured Well Depth (FT.)	N/A	19.90		N/A	5.96
				Submerged Screen	N/A	Yes			
MW-211B	717.31	693.34	34.3	Static Water Level (FT.)	27.99	24.10	0.51	27.99	24.10
				Groundwater Elevation (FT. AMSL)	689.32	693.21			
				Measured Well Depth (FT.)	34.81	34.81		28.61	25.01
				Submerged Screen	No	No			
MW-212A	709.87	691.25	29.4	Static Water Level (FT.)	14.09	20.00	0.02	14.09	20.00
				Groundwater Elevation (FT. AMSL)	695.78	689.87			
				Measured Well Depth (FT.)	29.42	29.42		14.55	21.54
				Submerged Screen	Yes	No			
MW-213A	718.66	701.47	32.2	Static Water Level (FT.)	N/A	17.74	0.21	N/A	17.74
				Groundwater Elevation (FT. AMSL)	N/A	700.92			
				Measured Well Depth (FT.)	N/A	31.98		N/A	18.60
				Submerged Screen	N/A	No			
MW-214A	745.79	700.20	38.6	Static Water Level (FT.)	N/A	20.44	0.68	N/A	20.44
				Groundwater Elevation (FT. AMSL)	N/A	725.35			
				Measured Well Depth (FT.)	N/A	37.93		N/A	22.93
				Submerged Screen	N/A	Yes			
MW-215A	728.21	673.10	54.6	Static Water Level (FT.)	N/A	29.79	2.24	N/A	29.79
				Groundwater Elevation (FT. AMSL)	N/A	698.42			
				Measured Well Depth (FT.)	N/A	52.36		N/A	34.65
				Submerged Screen	N/A	Yes			
MW-216A	718.70	695.29	38.4	Static Water Level (FT.)	30.18	29.23	1.40	30.18	29.23
				Groundwater Elevation (FT. AMSL)	688.52	689.47			
				Measured Well Depth (FT.)	37.00	37.00		30.95	30.29
				Submerged Screen	No	No			
MW-217A	722.95	696.18	41.8	Static Water Level (FT.)	36.40	32.70	0.80	36.40	32.70
				Groundwater Elevation (FT. AMSL)	686.55	690.25			
				Measured Well Depth (FT.)	42.60	42.60		37.07	33.45
				Submerged Screen	No	No			
MW-218A	728.20	696.40	46.8	Static Water Level (FT.)	28.46	24.38	0.70	28.46	24.38
				Groundwater Elevation (FT. AMSL)	699.74	703.82			
				Measured Well Depth (FT.)	47.50	47.50		31.55	27.52
				Submerged Screen	Yes	Yes			

Table 4
Monitoring Well Maintenance and Performance Summary - Monitoring and Delineation Wells
2024 Annual Water Quality Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Top of Casing (FT. AMSL)	Top of Screen (FT. AMSL)	Total Depth (FT. BTOC)	Measurement Description	Date of Measurements		Maximum Depth Discrepancy (FT.)	Fall 2024 Levels (at start and end of purging)	Spring 2025 Levels (at start and end of purging)
					Oct-24	Apr-25		(FT. BTOC)	(FT. BTOC)
MW-219A	736.17	697.78	53.4	Static Water Level (FT.)	22.85	21.80	0.22	22.85	21.80
				Groundwater Elevation (FT. AMSL)	713.32	714.37			
				Measured Well Depth (FT.)	53.18	53.18		26.66	25.45
				Submerged Screen	Yes	Yes			
MW-220A	739.32	697.07	57.3	Static Water Level (FT.)	30.52	23.54	0.72	30.52	23.54
				Groundwater Elevation (FT. AMSL)	708.80	715.78			
				Measured Well Depth (FT.)	58.02	58.02		34.25	27.05
				Submerged Screen	Yes	Yes			

NOTES:

FT. - Feet

FT. AMSL - Feet Above Mean Sea Level

FT. BTOC - Feet Below Top of Casing

N/A - Not Applicable; Well was not installed at this time or was not sampled during the monitoring event.

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Table 5
Background and GWPS Summary
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Interwell Background/GWPS - (Low Flow Sampling Data - February 2008 to Current) - Background for Monitoring Wells using MW-34A, MW-38A, MW-39B											
Constituent	**Units**	**Samples**	**Detections**	**Min**	**Max**	**Mean**	**Background Levels**	**Background Source**	**Statistical Test**	**GWPS**	**Source**
Inorganics											
Antimony	mg/L	85	2	0.000163	0.001	0.0009843	0.001	Highest Non-Detect	NP Inter (NDs) 1 of 2	0.006	MCL
Arsenic	mg/L	90	27	0.000261	0.0222	0.001481	0.0222	Highest Background Detect	NP Inter (NDs) 1 of 2	0.0222	BG
Barium	mg/L	92	92	0.125	0.806	0.2236	0.806	Highest Background Detect	NP Inter (Normality) 1 of 2	2	MCL
Beryllium	mg/L	91	3	0.000064	0.00107	0.0003386	0.00107	Highest Background Detect	NP Inter (NDs) 1 of 2	0.004	MCL
Cadmium	mg/L	86	13	0.000054	0.00173	0.0001332	0.00173	Highest Background Detect	NP Inter (NDs) 1 of 2	0.005	MCL
Chromium	mg/L	82	23	0.45	0.45	0.45	0.0477	Highest Background Detect	NP Inter (NDs) 1 of 2	0.1	MCL
Cobalt	mg/L	92	39	0.000049	0.00939	0.0009781	0.00939	Highest Background Detect	NP Inter (NDs) 1 of 2	0.00939	BG
Copper	mg/L	84	14	0.000972	0.00534	0.003057	0.00534	Highest Background Detect	NP Inter (NDs) 1 of 2	1.3	MCL
Lead	mg/L	90	14	0.000198	0.0128	0.0007741	0.0128	Highest Background Detect	NP Inter (NDs) 1 of 2	0.015	MCL
Nickel	mg/L	89	30	0.000588	0.105	0.005529	0.105	Highest Background Detect	NP Inter (NDs) 1 of 2	0.105	BG
Selenium	mg/L	86	8	0.001	0.00409	0.001489	0.00409	Highest Non-Detect	NP Inter (NDs) 1 of 2	0.05	MCL
Silver	mg/L	85	2	0.000132	0.0005	0.0004914	0.00050	Highest Non-Detect	NP Inter (NDs) 1 of 2	0.1	SWS
Thallium	mg/L	85	1	0.0002	0.00057	0.0005656	0.00057	Highest Non-Detect	NP Inter (NDs) 1 of 2	0.002	MCL
Vanadium	mg/L	84	31	0.000281	0.00554	0.001767	0.00554	Highest Background Detect	NP Inter (NDs) 1 of 2	0.035	SWS
Zinc	mg/L	89	10	0.013	0.0684	0.01557	0.0684	Highest Background Detect	NP Inter (NDs) 1 of 2	2	SWS

COMMENTS:
Interwell prediction limits are calculated for the upgradient monitoring wells using pooled background data from MW-34A, MW-38A, and MW-39B for inorganic constituents. Background data is evaluated for potential trends and outliers prior to statistical analysis, as provided in **Appendix B**.

Intrawell Background/GWPS Underdrain WT-1 (Sampling Data - October 2017 to October 2021)											
Constituent	**Units**	**Samples**	**Detections**	**Min**	**Max**	**Mean**	**Background Levels**	**Background Source**	**Statistical Test**	**GWPS**	**Source**
Inorganics											
Antimony	mg/L	10	1	0.000239	0.00200	0.001824	0.00100	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.006	MCL
Arsenic	mg/L	10	7	0.000853	0.0062	0.002933	0.009447	Parametric Limit	Param Intra 1 of 2	0.010	MCL
Barium	mg/L	9	9	0.0584	0.276	0.1962	0.4891	Parametric Limit	Param Intra 1 of 2	2	MCL
Beryllium	mg/L	10	0	0.00400	0.00400	0.00400	0.000330	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.004	MCL
Cadmium	mg/L	10	0	0.000800	0.000800	0.000800	0.000200	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.005	MCL
Chromium	mg/L	9	1	0.00120	0.00800	0.007244	0.00500	Highest Background Detect	NP Intra (NDs) 1 of 2	0.1	MCL
Cobalt	mg/L	9	9	0.000781	0.00655	0.003227	0.01128	Parametric Limit	Param Intra 1 of 2	0.01128	BG
Copper	mg/L	9	1	0.00171	0.00400	0.003746	0.00500	Highest Background Detect	NP Intra (NDs) 1 of 2	1.3	MCL
Lead	mg/L	9	5	0.000421	0.00400	0.002091	0.001617	Parametric Limit	Param Intra 1 of 2	0.015	MCL
Nickel	mg/L	10	9	0.00200	0.0256	0.008021	0.04897	Parametric Limit	Param Intra 1 of 2	0.1	SWS
Selenium	mg/L	10	2	0.00221	0.00400	0.003654	0.00233	Highest Background Detect	NP Intra (NDs) 1 of 2	0.05	MCL
Silver	mg/L	10	1	0.000590	0.00400	0.003659	0.000590	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.1	SWS
Thallium	mg/L	10	1	0.000200	0.00200	0.00182	0.000570	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.002	MCL
Vanadium	mg/L	9	3	0.00114	0.0200	0.01384	0.00500	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.035	SWS
Zinc	mg/L	10	1	0.0200	0.0315	0.02115	0.0315	Highest Background Detect	NP Intra (NDs) 1 of 2	2	SWS

COMMENTS:
Intrawell prediction limits were calculated based on background data collected from groundwater underdrain WT-1 during the period from October 2017 through October 2021 for inorganic constituents.

Table 5
Background and GWPS Summary
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Intrawell Background/GWPS Underdrain WT-2 (Sampling Data - October 2017 to October 2021)											
Constituent	**Units**	**Samples**	**Detections**	**Min**	**Max**	**Mean**	**Background Levels**	**Background Source**	**Statistical Test**	**GWPS**	**Source**
Inorganics											
Antimony	mg/L	10	1	0.000403	0.00200	0.00184	0.00100	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.006	MCL
Arsenic	mg/L	10	9	0.00200	0.0515	0.01215	0.1016	Parametric Limit	Param Intra 1 of 2	0.1016	BG
Barium	mg/L	10	10	0.0286	0.240	0.1581	0.3807	Parametric Limit	Param Intra 1 of 2	2	MCL
Beryllium	mg/L	10	1	0.000538	0.00400	0.003654	0.000538	Highest Background Detect	NP Intra (NDs) 1 of 2	0.004	MCL
Cadmium	mg/L	10	1	0.000100	0.000800	0.000730	0.000100	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.005	MCL
Chromium	mg/L	9	0	0.00800	0.00800	0.00800	0.00120	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.1	MCL
Cobalt	mg/L	10	10	0.000300	0.00760	0.003681	0.01195	Parametric Limit	Param Intra 1 of 2	0.01195	BG
Copper	mg/L	9	0	0.00400	0.00400	0.00400	0.00180	Highest Non-Detect	NP Intra (NDs) 1 of 2	1.3	MCL
Lead	mg/L	9	2	0.000344	0.00400	0.003213	0.000575	Highest Background Detect	NP Intra (NDs) 1 of 2	0.015	MCL
Nickel	mg/L	10	10	0.00150	0.0196	0.008096	0.02661	Parametric Limit	Param Intra 1 of 2	0.1	SWS
Selenium	mg/L	10	1	0.00178	0.00400	0.003778	0.00178	Highest Background Detect	NP Intra (NDs) 1 of 2	0.05	MCL
Silver	mg/L	10	0	0.00400	0.00400	0.00400	0.000500	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.1	SWS
Thallium	mg/L	10	1	0.000200	0.00200	0.00182	0.000570	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.002	MCL
Vanadium	mg/L	9	1	0.00129	0.0200	0.01792	0.00500	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.035	SWS
Zinc	mg/L	10	1	0.0200	0.0307	0.02107	0.0307	Highest Background Detect	NP Intra (NDs) 1 of 2	2	SWS

COMMENTS:
Intrawell prediction limits were calculated based on background data collected from groundwater underdrain WT-2 during the period from October 2017 through October 2021 for inorganic constituents.

Intrawell Background/GWPS Underdrain WT-3 (Sampling Data - October 2017 to May 2022)											
Constituent	**Units**	**Samples**	**Detections**	**Min**	**Max**	**Mean**	**Background Levels**	**Background Source**	**Statistical Test**	**GWPS**	**Source**
Inorganics											
Antimony	mg/L	11	1	0.000233	0.00200	0.001839	0.00100	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.006	MCL
Arsenic	mg/L	10	10	0.00241	0.0208	0.01299	0.03575	Parametric Limit	Param Intra 1 of 2	0.03575	BG
Barium	mg/L	10	10	0.0558	0.170	0.1093	0.2712	Parametric Limit	Param Intra 1 of 2	2	MCL
Beryllium	mg/L	10	0	0.00400	0.00400	0.00400	0.000330	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.004	MCL
Cadmium	mg/L	10	0	0.000800	0.000800	0.000800	0.000100	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.005	MCL
Chromium	mg/L	9	9	0.00800	0.00800	0.00800	0.0018	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.1	MCL
Cobalt	mg/L	10	10	0.000600	0.00835	0.002748	0.02079	Parametric Limit	Param Intra 1 of 2	0.02079	BG
Copper	mg/L	10	2	0.00400	0.00520	0.004225	0.00520	Highest Background Detect	NP Intra (NDs) 1 of 2	1.3	MCL
Lead	mg/L	9	0	0.00400	0.00400	0.00400	0.00033	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.015	MCL
Nickel	mg/L	10	10	0.000900	0.0152	0.004666	0.02137	Parametric Limit	Param Intra 1 of 2	0.1	SWS
Selenium	mg/L	10	0	0.00400	0.00400	0.00400	0.00140	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.05	MCL
Silver	mg/L	11	0	0.00400	0.00400	0.00400	0.000500	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.1	SWS
Thallium	mg/L	11	0	0.00200	0.00200	0.00200	0.000570	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.002	MCL
Vanadium	mg/L	9	0	0.0200	0.0200	0.0200	0.00500	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.035	SWS
Zinc	mg/L	10	1	0.0174	0.0200	0.01974	0.0174	Highest Non-Detect	NP Intra (NDs) 1 of 2	2	SWS

COMMENTS:
Intrawell prediction limits were calculated based on background data collected from groundwater underdrain WT-3 during the period from October 2017 through May 2022 for inorganic constituents.

Table 5
Background and GWPS Summary
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Intrawell Background/GWPS Underdrain WT-4 (Sampling Data - October 2017 to April 2021)											
Constituent	**Units**	**Samples**	**Detections**	**Min**	**Max**	**Mean**	**Background Levels**	**Background Source**	**Statistical Test**	**GWPS**	**Source**
Inorganics											
Antimony	mg/L	9	1	0.000267	0.00200	0.001807	0.00100	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.006	MCL
Arsenic	mg/L	9	4	0.00107	0.00400	0.003028	0.00266	Highest Background Detect	NP Intra (NDs) 1 of 2	0.010	MCL
Barium	mg/L	9	9	0.0229	0.0669	0.0324	0.1258	Parametric Limit	Param Intra 1 of 2	2	MCL
Beryllium	mg/L	9	0	0.00400	0.00400	0.00400	0.000330	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.004	MCL
Cadmium	mg/L	9	3	0.000100	0.000220	0.0001251	0.000220	Highest Background Detect	NP Intra (NDs) 1 of 2	0.005	MCL
Chromium	mg/L	8	0	0.00800	0.00800	0.00800	0.0018	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.1	MCL
Cobalt	mg/L	9	8	0.000101	0.00208	0.0007676	0.00361	Parametric Limit	Param Intra 1 of 2	0.003575	BG
Copper	mg/L	9	1	0.00400	0.00498	0.004109	0.00498	Highest Non-Detect	NP Intra (NDs) 1 of 2	1.3	MCL
Lead	mg/L	8	3	0.000206	0.00400	0.002658	0.000645	Highest Background Detect	NP Intra (NDs) 1 of 2	0.015	MCL
Nickel	mg/L	9	8	0.00241	0.0275	0.01066	0.04288	Parametric Limit	Param Intra 1 of 2	0.1	SWS
Selenium	mg/L	8	1	0.00148	0.00400	0.003685	0.00148	Highest Background Detect	NP Intra (NDs) 1 of 2	0.05	MCL
Silver	mg/L	9	0	0.00400	0.00400	0.00400	0.000500	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.1	SWS
Thallium	mg/L	9	0	0.00200	0.00200	0.00200	0.000570	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.002	MCL
Vanadium	mg/L	8	1	0.00142	0.0200	0.01768	0.0017	Highest Non-Detect	NP Intra (NDs) 1 of 2	0.035	SWS
Zinc	mg/L	9	2	0.0128	0.0200	0.01843	0.0131	Highest Non-Detect	NP Intra (NDs) 1 of 2	2	SWS

COMMENTS:
Intrawell prediction limits were calculated based on background data collected from groundwater underdrain WT-4 during the period from October 2017 through April 2021 for inorganic constituents.

NOTES:
BG - Background; Value is established from a site-specific background concentration.
GWPS - Groundwater Protection Standard
MCL - Maximum Contaminant Level; Value is established in the United States Environmental Protection Agency's National Primary Drinking Water Regulations
mg/L - milligrams per liter
SWS - Statewide Standard; Iowa Department of Natural Resources Statewide Standards for a Protected Groundwater Source

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Table 6
Summary of Well/Detected Constituent Pairs with No Previous SSIs
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well/Monitoring Location	Constituent	Units	Most Recent Result Spring 2025	Interwell/Intrawell Background Standard
HMSP Series A & Series B Monitoring Wells ***(Interwell Background Standard)***				
No compliance monitoring wells were monitored under the Detection Monitoring Program.				
Groundwater Underdrains ***(Intrawell Background Standard)***				
ST-1	N/A - No sample collected during monitoring event.			
WT-OF[(1)]	Arsenic	mg/L	0.000797 J	N/A
	Barium	mg/L	0.119	N/A
	Cobalt	mg/L	0.000324 J	N/A
	Nickel	mg/L	0.00304 J	N/A
	TSS[(2)]	mg/L	2.13	N/A
WT-1	Arsenic	mg/L	0.00426	0.009447
	Barium	mg/L	0.331	0.4891
	Beryllium	mg/L	0.000692 J	0.000330
	Cadmium	mg/L	0.000178 J	0.0002
	Chromium	mg/L	**0.0134**	0.00500
	Cobalt	mg/L	0.00990	0.01128
	Copper	mg/L	**0.0114**	0.00500
	Lead	mg/L	**0.00711**	0.001617
	Nickel	mg/L	0.0140	0.04897
	Vanadium	mg/L	**0.0220**	0.00500
	Zinc	mg/L	0.0304	0.0315
	TSS[(2)]	mg/L	2110	N/A
WT-2	Arsenic	mg/L	0.00960	0.1016
	Barium	mg/L	0.282	0.3807
	Beryllium	mg/L	0.000930 J	0.000538
	Cadmium	mg/L	**0.000356**	0.000100
	Chromium	mg/L	**0.0148**	0.00120
	Cobalt	mg/L	**0.0133**	0.01195
	Copper	mg/L	**0.0179**	0.00180
	Lead	mg/L	**0.0114**	0.000575
	Nickel	mg/L	0.0209	0.02661
	Selenium	mg/L	0.00205 J	0.00178
	Vanadium	mg/L	**0.0258**	0.00500
	Zinc	mg/L	**0.0413**	0.0307
	TSS[(2)]	mg/L	1170	N/A
WT-3	Arsenic	mg/L	0.0120	0.03575
	Barium	mg/L	**0.341**	0.2712
	Cobalt	mg/L	0.00104	0.02079
	TSS[(2)]	mg/L	70.0	N/A

Table 6
Summary of Well/Detected Constituent Pairs with No Previous SSIs
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well/Monitoring Location	Constituent	Units	Most Recent Result Spring 2025	Interwell/Intrawell Background Standard
WT-4	Barium	mg/L	0.0782	0.1258
	Cobalt	mg/L	0.000990	0.003575
	Nickel	mg/L	0.00475 J	0.04288
	TSS[(2)]	mg/L	3.25	N/A

NOTES:

BOLD - Result is above the respective interwell/intrawell prediction limit.

[(1)] The background database is being established for WT-OF, and background standards are not currently established for the monitoring point.

[(2)] TSS data is presented for additional information and is not compared to a background standard.

J - A laboratory flag for a constituent detected between the method detection limit (MDL) and the laboratory's reporting limit (RL). The concentrations are estimated values and are not considered statistically significant.

mg/L - milligrams per liter

N/A - Not Applicable

TSS - Total Suspended Solids

COMMENTS:

- This table reports only constituents with concentrations detected above the MDL at monitoring locations in the Detection Monitoring Program. The full list of constituents analyzed at these monitoring locations during the monitoring event is in the laboratory analytical reports included in **Appendix C**.

Table 7
Summary of Ongoing and Newly Identified SSIs in Assessment Monitoring
Spring 2025 Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Constituent	Units	Most Recent Result Spring 2025	Background Standard	LCL	GWPS
Series A Monitoring Wells						
MW-17A-00	Dichlorodifluoromethane	µg/L	0.256 J	3.00 (RL)	N/A - No SSI	1,000
	Barium	mg/L	0.481	0.806	N/A - No SSI	2
	TSS[(1)]	mg/L	<1.88	N/A	N/A	N/A
MW-18AR	cis-1,2-Dichloroethene	µg/L	0.304 J	1.00 (RL)	N/A - No SSI	70
	Dichlorodifluoromethane	µg/L	4.01	3.00 (RL)	4.175	1,000
	Tetrachloroethene	µg/L	4.22	1.00 (RL)	3.59	5
	Trichloroethene	µg/L	0.807 J	1.00 (RL)	N/A - No SSI	5
	Trichlorofluoromethane	µg/L	1.43 J	4.00 (RL)	N/A - No SSI	2,000
	Barium	mg/L	0.852	0.806	0.7031	2
	TSS[(1)]	mg/L	<1.88	N/A	N/A	N/A
MW-23A	Barium	mg/L	0.320	0.806	N/A - No SSI	2
	Cobalt	mg/L	0.000423 J	0.00939	N/A - No SSI	0.00939
	TSS[(1)]	mg/L	9.75	N/A	N/A	N/A
MW-24A	Arsenic	mg/L	0.0180	0.0222	N/A - No SSI	0.0222
	Barium	mg/L	0.350	0.806	N/A - No SSI	2
	Cobalt	mg/L	0.00394	0.00939	N/A - No SSI	0.00939
	Nickel	mg/L	0.00546	0.105	N/A - No SSI	0.105
	TSS[(1)]	mg/L	45.5	N/A	N/A	N/A
MW-25A-00	Barium	mg/L	0.183	0.806	N/A - No SSI	2
	TSS[(1)]	mg/L	2.00	N/A	N/A	N/A
MW-29A	Antimony	mg/L	0.00105 J	0.001	N/A - No SSI	0.006
	Barium	mg/L	0.286	0.806	N/A - No SSI	2
	Cobalt	mg/L	0.000298 J	0.00939	N/A - No SSI	0.00939
	Nickel	mg/L	0.00753	0.105	N/A - No SSI	0.105
	Silvex (2,4,5-TP)	µg/L	0.0724*	0.0515 (RL)	N/A - No SSI	50
	TSS[(1)]	mg/L	2.13	N/A	N/A	N/A
MW-200A	Dichlorodifluoromethane	µg/L	0.846 J	3.00 (RL)	N/A - No SSI	1,000
	Barium	mg/L	0.910	0.806	0.8482	2
	TSS[(1)]	mg/L	2.13	N/A	N/A	N/A

Table 7
Summary of Ongoing and Newly Identified SSIs in Assessment Monitoring
Spring 2025 Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Constituent	Units	Most Recent Result Spring 2025	Background Standard	LCL	GWPS
MW-201A	Barium	mg/L	0.175	0.806	N/A - No SSI	2
	PCB-1221	µg/L	10.2*	1.81 (RL)	N/A - No SSI	0.5
	TSS[(1)]	mg/L	<1.88	N/A	N/A	N/A
MW-202A	Barium	mg/L	0.290	0.806	N/A - No SSI	2
	TSS[(1)]	mg/L	<1.88	N/A	N/A	N/A
MW-203A	Barium	mg/L	0.298	0.806	N/A - No SSI	2
	Chromium	mg/L	0.00307 J	0.0477	N/A - No SSI	0.1
	TSS[(1)]	mg/L	1.88	N/A	N/A	N/A
MW-204A	Arsenic	mg/L	0.00383	0.0222	N/A - No SSI	0.0222
	Barium	mg/L	0.168	0.806	N/A - No SSI	2
	Nickel	mg/L	0.00257 J	0.105	N/A - No SSI	0.105
	Selenium	mg/L	0.00293 J	0.00409	N/A - No SSI	0.05
	TSS[(1)]	mg/L	5.33	N/A	N/A	N/A
MW-205A	Arsenic	mg/L	0.00232	0.0222	N/A - No SSI	0.0222
	Barium	mg/L	0.196	0.806	N/A - No SSI	2
	TSS[(1)]	mg/L	23.0	N/A	N/A	N/A
MW-213A	Arsenic	mg/L	0.000614 J	0.0222	N/A - No SSI	0.0222
	Barium	mg/L	0.0461	0.806	N/A - No SSI	2
	Cobalt	mg/L	0.000417 J	0.00939	N/A - No SSI	0.00939
	TSS[(1)]	mg/L	5.75	N/A	N/A	N/A
MW-214A	Barium	mg/L	0.250	0.806	N/A - No SSI	2
	TSS[(1)]	mg/L	7.50	N/A	N/A	N/A
MW-215A	Antimony	mg/L	0.00141 J	0.001	N/A - No SSI	0.006
	Arsenic	mg/L	0.000938 J	0.0222	N/A - No SSI	0.0222
	Barium	mg/L	0.136	0.806	N/A - No SSI	2
	Cadmium	mg/L	0.000101 J	0.00173	N/A - No SSI	0.005
	Chromium	mg/L	0.00222 J	0.0477	N/A - No SSI	0.1
	Cobalt	mg/L	0.000668	0.00939	N/A - No SSI	0.00939
	Lead	mg/L	0.000643	0.0128	N/A - No SSI	0.015
	Nickel	mg/L	0.00258 J	0.105	N/A - No SSI	0.105
	Vanadium	mg/L	0.00262 J	0.00554	N/A - No SSI	0.035
	TSS[(1)]	mg/L	64.50	N/A	N/A	N/A

Table 7
Summary of Ongoing and Newly Identified SSIs in Assessment Monitoring
Spring 2025 Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Constituent	Units	Most Recent Result Spring 2025	Background Standard	LCL	GWPS
MW-216A	Barium	mg/L	0.0555	0.806	N/A - No SSI	2
	Nickel	mg/L	0.00429 J	0.105	N/A - No SSI	0.105
	TSS[(1)]	mg/L	2.75	N/A	N/A	N/A
MW-217A	Barium	mg/L	0.0927	0.806	N/A - No SSI	2
	TSS[(1)]	mg/L	<1.88	N/A	N/A	N/A
MW-218A	Barium	mg/L	0.240	0.806	N/A - No SSI	2
	TSS[(1)]	mg/L	<1.88	N/A	N/A	N/A
MW-219A	Barium	mg/L	0.617	0.806	N/A - No SSI	2
	TSS[(1)]	mg/L	2.88	N/A	N/A	N/A
MW-220A	Barium	mg/L	0.317	0.806	N/A - No SSI	2
	TSS[(1)]	mg/L	<1.88	N/A	N/A	N/A
Series B Monitoring Wells						
MW-1B	Arsenic	mg/L	0.00148 J	0.0222	N/A - No SSI	0.0222
	Barium	mg/L	0.553	0.806	N/A - No SSI	2
	Cobalt	mg/L	0.000353 J	0.00939	N/A - No SSI	0.00939
	Copper	mg/L	0.00357 J	0.00534	N/A - No SSI	1.3
	TSS[(1)]	mg/L	53.0	N/A	N/A	N/A
MW-5B	Arsenic	mg/L	0.000655 J	0.0222	N/A - No SSI	0.0222
	Barium	mg/L	0.198	0.806	N/A - No SSI	2
	Cobalt	mg/L	0.00120	0.00939	N/A - No SSI	0.00939
	Nickel	mg/L	0.00615	0.105	N/A - No SSI	0.105
	Zinc	mg/L	0.0153 J	0.0684	N/A - No SSI	2
	TSS[(1)]	mg/L	4.25	N/A	N/A	N/A
MW-7B1	1,1-Dichloroethane	µg/L	0.456 J	1.00 (RL)	N/A - No SSI	140
	Arsenic	mg/L	0.00361	0.0222	N/A - No SSI	0.0222
	Barium	mg/L	0.444	0.806	N/A - No SSI	2
	Cobalt	mg/L	0.000186 J	0.00939	N/A - No SSI	0.00939
	Vinyl chloride	µg/L	0.217 J	1.00 (RL)	N/A - No SSI	2
	TSS[(1)]	mg/L	43.0	N/A	N/A	N/A

Table 7
Summary of Ongoing and Newly Identified SSIs in Assessment Monitoring
Spring 2025 Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Constituent	Units	Most Recent Result Spring 2025	Background Standard	LCL	GWPS
MW-8B	Arsenic	mg/L	0.0110	0.0222	N/A - No SSI	0.0222
	Barium	mg/L	0.220	0.806	N/A - No SSI	2
	Cobalt	mg/L	0.000832	0.00939	N/A - No SSI	0.00939
	TSS[(1)]	mg/L	30.0	N/A	N/A	N/A
MW-12B	Arsenic	mg/L	0.000752 J	0.0222	N/A - No SSI	0.0222
	Barium	mg/L	0.341	0.806	N/A - No SSI	2
	Cobalt	mg/L	0.000659	0.00939	N/A - No SSI	0.00939
	Nickel	mg/L	0.00461 J	0.105	N/A - No SSI	0.105
	TSS[(1)]	mg/L	7.38	N/A	N/A	N/A
MW-14B	1,1-Dichloroethane	µg/L	0.400 J	1.00 (RL)	N/A - No SSI	140
	Arsenic	mg/L	0.000963 J	0.0222	N/A - No SSI	0.0222
	Barium	mg/L	0.361	0.806	N/A - No SSI	2
	Cobalt	mg/L	0.00144	0.00939	N/A - No SSI	0.00939
	Nickel	mg/L	0.00546	0.105	N/A - No SSI	0.105
	TSS[(1)]	mg/L	3.13	N/A	N/A	N/A
MW-31B	Arsenic	mg/L	0.00203	0.0222	N/A - No SSI	0.0222
	Barium	mg/L	0.431	0.806	N/A - No SSI	2
	Chromium	mg/L	0.00419 J	0.0477	N/A - No SSI	0.1
	Cobalt	mg/L	0.00115	0.00939	N/A - No SSI	0.00939
	Lead	mg/L	0.00163	0.0128	N/A - No SSI	0.015
	Nickel	mg/L	0.00338 J	0.105	N/A - No SSI	0.105
	Vanadium	mg/L	0.00545	0.00554	N/A - No SSI	0.035
	TSS[(1)]	mg/L	332	N/A	N/A	N/A
MW-208B	Arsenic	mg/L	0.000921 J	0.0222	N/A - No SSI	0.0222
	Barium	mg/L	0.0622	0.806	N/A - No SSI	2
	Cobalt	mg/L	0.000268 J	0.00939	N/A - No SSI	0.00939
	TSS[(1)]	mg/L	2.88	N/A	N/A	N/A

Table 7
Summary of Ongoing and Newly Identified SSIs in Assessment Monitoring
Spring 2025 Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Constituent	Units	Most Recent Result Spring 2025	Background Standard	LCL	GWPS
MW-210B	Acetonitrile	µg/L	5.45 J	10.0 (RL)	N/A - No SSI	10.0 (RL)
	Arsenic	mg/L	0.00549	0.0222	N/A - No SSI	0.0222
	Barium	mg/L	0.113	0.806	N/A - No SSI	2
	Cobalt	mg/L	0.00290	0.00939	N/A - No SSI	0.00939
	Lead	mg/L	0.000333 J	0.0128	N/A - No SSI	0.015
	Nickel	mg/L	0.0115	0.105	N/A - No SSI	0.105
	TSS[(1)]	mg/L	37.0	N/A	N/A	N/A
Attenuation Zone Point of Compliance (AZPOC)						
MW-1B	Arsenic	mg/L	0.00148 J	0.0222	N/A - No SSI	0.022
	Barium	mg/L	0.553	0.806	N/A - No SSI	2
	Cobalt	mg/L	0.000353 J	0.00939	N/A - No SSI	0.00939
	Copper	mg/L	0.00357 J	0.00534	N/A - No SSI	1.3
	TSS[(1)]	mg/L	53.0	N/A	N/A	N/A
MW-10B	Barium	mg/L	0.146	0.806	N/A - No SSI	2
	Selenium	mg/L	0.00170 J	0.00409	N/A - No SSI	0.05
	TSS[(1)]	mg/L	<1.88	N/A	N/A	N/A
MW-310A	Barium	mg/L	0.0995	0.806	N/A - No SSI	2
	TSS[(1)]	mg/L	<1.88	N/A	N/A	N/A
MW-312A	Barium	mg/L	0.157	0.806	N/A - No SSI	2
	TSS[(1)]	mg/L	<1.88	N/A	N/A	N/A
MW-408	Barium	mg/L	0.176	0.806	N/A - No SSI	2
	Cadmium	mg/L	0.000131 J	0.00173	N/A - No SSI	0.005
	Selenium	mg/L	0.00229 J	0.00409	N/A - No SSI	0.05
	Vanadium	mg/L	0.00239 J	0.00554	N/A - No SSI	0.035
	TSS[(1)]	mg/L	5.63	N/A	N/A	N/A

Table 7
Summary of Ongoing and Newly Identified SSIs in Assessment Monitoring
Spring 2025 Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Constituent	Units	Most Recent Result Spring 2025	Background Standard	LCL	GWPS
MW-410	Barium	mg/L	0.0862	0.806	N/A - No SSI	2
	TSS[(1)]	mg/L	2.88	N/A	N/A	N/A

NOTES:

[(1)] TSS data is presented for additional information and is not compared to a background standard or GWPS.

*Current result is above laboratory reporting limits. The constituent is not an active SSI and is the initial detection above laboratory reporting limits. The SSI will be verified during the next sampling event.

J - A laboratory flag for a constituent detected between the method detection limit (MDL) and the laboratory's reporting limit (RL). The concentrations are estimated values and are not considered statistically significant.

mg/L - milligrams per liter

µg/L - micrograms per liter

GWPS - Groundwater Protection Standard

LCL - Lower Confidence Limit

N/A - Not Applicable

SSI - Statistically Significant Increase

TSS - Total Suspended Solids

COMMENTS:

- This table reports only constituents with concentrations detected above the MDL at monitoring locations in the Assessment Monitoring Program or are an Attenuation Zone Point of Compliance (AZPOC) Monitoring Well. The full list of constituents analyzed at these monitoring locations during the monitoring event is in the laboratory analytical reports included in **Appendix C**.

Table 8
Summary of Ongoing and Newly Identified SSLs
2025 Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Constituent	Units	Most Recent Result Spring 2025	Upper Confidence Limit	GWPS	Initial Exceedance (Confirmed SSI)
Series A Monitoring Wells						
No ongoing or newly identified SSLs						
Series B Monitoring Wells						
No ongoing or newly identified SSLs						
Attenuation Zone Point of Compliance (AZPOC)						
No ongoing or newly identified SSLs						

COMMENTS:

- No ongoing or new SSLs were identified during the Spring 2025 sampling event.

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Table 9A
Analytical Data Summary - Monitoring Wells
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

NOTES:

Historical analytical data for site monitoring wells is summarized on Table 9A included in **Appendix D**.

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Table 9B
Analytical Data Summary - Underdrains
2025 Spring Statistical Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

NOTES:

Historical analytical data for site underdrains is summarized on Table 9B included in **Appendix D**.

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Table 10
Historic SSIs and SSLs
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Key: **SSI -** **SSL -**		Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Well	**Constituent**	2018	2018	2019	2019	2020	2020	2021	2021	2022	2022	2023	2023	2024	2024	2025
Series A Monitoring Wells																
MW-1A*	Arsenic	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL							
MW-2A-97*	Cobalt	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL							
MW-16A*	1,1-Dichloroethane	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI							
	1,2-Dichloroethane	SSI	SSI		SSI											
	1,2-Dichloropropane	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI							
	Benzene	SSI	SSI													
	cis-1,2-Dichloroethene	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI							
	Dichlorodifluoromethane	SSI	SSI		SSI	SSI	SSI	SSI	SSI							
	Tetrachloroethene	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL							
	Trichloroethene	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL							
	Trichlorofluoromethane			SSI	SSI			SSI	SSI							
	Vinyl Chloride	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL							
MW-18AR	Barium												SSI			SSI
	1,1-Dichloroethane						SSI		SSI							
	cis-1,2-Dichloroethene			SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	
	Dichlorodifluoromethane			SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI
	Sulfide					SSI										
	Tetrachloroethene			SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI
	Trichloroethene			SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI	
	Trichlorofluoromethane			SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI					
MW-200A	Barium									SSI	SSI	SSI	SSI	SSI	SSI	SSI
	Dichlorodifluoromethane							SSI	SSI	SSI	SSI	SSI	SSI			
MW-205A	Toluene						SSI									
MW-206A*	1,1-Dichloroethane	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI							
	cis-1,2-Dichloroethene	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI							
	Dichlorodifluoromethane	SSI	SSI	SSI	SSI	SSI	SSI	SSI	SSI							
	Tetrachloroethene	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL							
	Trichloroethene	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL							
MW-207A*	Arsenic	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL							
	Sulfide						SSI									
MW-212A*	Arsenic	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL							
MW-216A	2-Butanone (MEK)						SSI									
	Sulfide	SSI														
MW-218A	Sulfide	SSI														
MW-219A	Sulfide	SSI									SSI					
MW-408	Cobalt	SSI														
Series B Monitoring Wells																
MW-1B	Toluene					SSI										
MW-5B	Toluene		SSI						NS		NS		NS		NS	
MW-6B*	Arsenic	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL							
	Cobalt	SSL	SSL	SSL	SSL	SSL	SSL	SSL	SSL							
	Sulfide					SSI										

Table 10
Historic SSIs and SSLs
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Key: SSI - ; SSL -		Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Well	**Constituent**	2018	2018	2019	2019	2020	2020	2021	2021	2022	2022	2023	2023	2024	2024	2025
MW-7B1	1,1-Dichloroethane								NS		NS		NS		NS	
MW-8B	1,1-Dichloroethane								NS		NS		NS		NS	
	Acetone								NS		NS		NS		NS	
	Arsenic								NS		NS		NS		NS	
	Sulfide								NS		NS		NS		NS	
MW-10B	Selenium															
	Toluene														**	
MW-11B*	Arsenic															
	Chloroethane															
MW-12B	Bis[2-ethylhexyl] phthalate+								NS		NS		NS		NS	
MW-14B	1,1-Dichloroethane								NS		NS		NS		NS	
MW-209B*	Arsenic															
	Acetone															
	Benzene															
	beta-BHC															
	2,4,5-TP [Silvex]															
	Sulfide															
	Toluene															
	Xylenes															
MW-211B*	Cobalt															
Groundwater Underdrains																
WT-1	Chromium										NS					
	Cobalt										NS					
	Copper										NS					
	Lead										NS					
	Nickel										NS					
	Vanadium										NS					
WT-2	Acetone										NS					
	Benzene										NS					
	Cadmium										NS					
	Chromium										NS					
	Cobalt										NS					
	Copper										NS					
	Lead										NS					
	Vanadium										NS					
	Zinc										NS					
WT-3	Barium										NS					
	Benzene										NS					
	Bromodichloromethane										NS					
	Chloroform										NS					
	Lead										NS					
	Vanadium										NS					

Table 10
Historic SSIs and SSLs
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Key: SSI - SSL -		Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Well	**Constituent**	2018	2018	2019	2019	2020	2020	2021	2021	2022	2022	2023	2023	2024	2024	2025
WT-4	Barium										NS					
	Bromodichloromethane										NS					
	Chloroform										NS					
	Cobalt										NS					
	Lead										NS					
	Vanadium										NS					

NOTES:

* - Indicates the monitoring well was designated as a source well in Revised Permit #7, dated September 2, 2021 (Iowa Department of Natural Resources Doc #101157). Statistical conclusions in accordance with 567 IAC 113.10(6) are no longer applicable after this

** - Initial result was above background, later confirmed as not an SSI through verification sampling

+ - The bis[2-ethylhexyl]phthalate SSI was not confirmed due to suspected laboratory contamination.

NS - Not Sampled; The monitoring point is either sampled annually or was dry during the montioring event.

SSI - Statistically Significant Increase

SSL - Statistically Significant Level

COMMENTS:

- For the 2022 reporting period and earlier, only initial confirmed SSIs were recorded on this table for inorganic constituents. Beginning in the 2023 reporting period, potential inorganic SSIs are included in this table.

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Table 11
Summary of Detections at Bracketing Wells
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Constituent	Units	Most Recent Result Spring 2025	UCL	GWPS
Corrective Action Bracketing Wells					
MW-2C-97	Cobalt	mg/L	0.00545	0.0071	0.00939
	TSS[(1)]	mg/L	6.75	N/A	N/A
MW-7C	Arsenic	mg/L	0.00277	0.00272	0.0222
	TSS[(1)]	mg/L	18.0	N/A	N/A
MW-11D	Arsenic	mg/L	0.00178 J	0.002797	0.0222
	TSS[(1)]	mg/L	3.63	N/A	N/A
MW-15A	Arsenic	mg/L	0.00684	0.0147	0.0222
	TSS[(1)]	mg/L	6.00	N/A	N/A
MW-306A	No monitored constituents detected above laboratory reporting limits.				
MW-404	No monitored constituents detected above laboratory reporting limits.				
MW-407	Sulfide	mg/L	0.349 J	1	1.00 (RL)
	TSS[(1)]	mg/L	1.63 J	N/A	N/A
MW-409	Arsenic	mg/L	**0.0510**	**0.04336**	0.0222
	Cobalt	mg/L	0.00889	0.009217	0.00939
	TSS[(1)]	mg/L	80.0	N/A	N/A

NOTES:

BOLD - Result is above the GWPS.

[(1)] TSS data is presented for additional information and is not compared to a background standard or GWPS.

J - A laboratory flag for a constituent detected between the method detection limit (MDL) and the laboratory's reporting limit (RL). The concentrations are estimated values and are not considered statistically significant.

mg/L - milligrams per liter

GWPS - Groundwater Protection Standard

N/A - Not Applicable

TSS - Total Suspended Solids

UCL - Upper Confidence Limit

COMMENTS:

- This table reports only constituents with concentrations detected above the method detection limit (MDL) at monitoring locations that are identified as Corrective Action Bracketing Wells. The full list of constituents analyzed at these monitoring locations during the monitoring event is in the laboratory analytical reports included in **Appendix C**.

- Confidence intervals were calculated using the eight (8) most recent measurements for each constituent detected above the MDL during the semiannaul compliance monitoring event. Under Corrective Action Monitoring, the UCL is compared to the GWPS to identify the relative impact to the groundwater at the Bracketing Well location and if concentrations have been reduced.

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Table 12
Corrective Action Trend Analysis
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Constituent	Trend slope	Units	Calculated S	Critical S	Statistically Significant Trend	N
Source Characterization Monitoring Wells							
MW-1A	Arsenic	-0.01932	mg/L/year	-16	-20	No	8
	Barium	-0.09172	mg/L/year	-14	-20	No	8
	Cobalt	0.0002509	mg/L/year	2	20	No	8
	Nickel	0.0006337	mg/L/year	15	20	No	8
MW-2A-97	Arsenic	-0.006238	mg/L/year	-18	-20	No	8
	Barium	-0.06365	mg/L/year	-18	-20	No	8
	Cadmium	-0.00001833	mg/L/year	-16	-20	No	8
	Cobalt	-0.001669	mg/L/year	-13	-20	No	8
	Nickel	-0.0003754	mg/L/year	-3	-20	No	8
MW-16A	cis-1,2-Dichloroethene	0.6174	µg/L/year	8	20	No	8
	1,1-Dichloroethane	-0.9673	µg/L/year	-12	-20	No	8
	1,2-Dichloropropane	-0.298	µg/L/year	-17	-20	No	8
	Silvex (2,4,5-TP)	0	µg/L/year	-4	-10	No	8
	Tetrachloroethene	-0.5011	µg/L/year	-18	-20	No	8
	Trichloroethene	-0.9981	µg/L/year	-18	-20	No	8
	Vinyl Chloride	-0.361	µg/L/year	-8	-20	No	8
	Dichlorodifluoromethane	**-0.7181**	**µg/L/year**	**-22**	**-20**	**Yes**	**8**
	Barium	-0.009226	mg/L/year	-6	-20	No	8
	Cadmium	0	mg/L/year	7	20	No	8
	Cobalt	-0.0002942	mg/L/year	-6	-20	No	8
	Nickel	-0.0009066	mg/L/year	-12	-20	No	8
	Vanadium	0	mg/L/year	7	20	No	8
MW-18A-07	Benzene	-0.8822	µg/L/year	-14	-20	No	8
	Chloroethane	1.742	µg/L/year	16	20	No	8
	cis-1,2-Dichloroethene	**39.22**	**µg/L/year**	**24**	**20**	**Yes**	**8**
	1,1-Dichloroethane	9.677	µg/L/year	4	20	No	8
	1,1-Dichloroethene	-0.6889	µg/L/year	-16	-20	No	8
	1,2-Dichloropropane	0	µg/L/year	0	-20	No	8
	Tetrachloroethene	-1.823	µg/L/year	-10	-20	No	8
	trans-1,2-Dichloroethene	0.2061	µg/L/year	8	20	No	8
	Trichloroethene	-2.895	µg/L/year	-10	-20	No	8
	Vinyl Chloride	-2.305	µg/L/year	-16	-20	No	8
	Dichlorodifluoromethane	-0.6119	µg/L/year	-10	-20	No	8
	Arsenic	-0.002327	mg/L/year	-20	-20	No	8
	Barium	-0.06995	mg/L/year	-14	-20	No	8
	Cobalt	-0.0008467	mg/L/year	-18	-20	No	8
	Nickel	-0.0001193	mg/L/year	-10	-20	No	8
MW-206A	**1,1-Dichloroethane**	**-4.001**	**µg/L/year**	**-26**	**-20**	**Yes**	**8**
	Dichlorodifluoromethane	-2.416	µg/L/year	-20	-20	No	8
	Barium	**-0.04525**	**mg/L/year**	**-22**	**-20**	**Yes**	**8**
	Selenium	-0.0004992	mg/L/year	-10	-20	No	8
MW-207A	Arsenic	0.004301	mg/L/year	10	20	No	8
	Barium	-0.004525	mg/L/year	-4	-20	No	8
	Cobalt	-0.000002201	mg/L/year	0	-20	No	8
MW-212A	Arsenic	-0.001863	mg/L/year	-8	-20	No	8
	Barium	-0.01661	mg/L/year	-2	-20	No	8
	Cobalt	-0.0001906	mg/L/year	-10	-20	No	8
	Vanadium	-0.004958	mg/L/year	-7	-20	No	8
MW-6B	Arsenic	-0.00843	mg/L/year	-16	-20	No	8
	Barium	-0.04088	mg/L/year	-12	-20	No	8
	Cobalt	0.000883	mg/L/year	8	20	No	8
	Nickel	0.0007219	mg/L/year	15	20	No	8

Table 12
Corrective Action Trend Analysis
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well	Constituent	Trend slope	Units	Calculated S	Critical S	Statistically Significant Trend	N
MW-11B	Arsenic	0.001483	mg/L/year	3	20	No	8
	Barium	-0.01228	mg/L/year	-6	20	No	8
	Cobalt	-0.0001856	mg/L/year	-6	-20	No	8
	Nickel	-0.0006197	mg/L/year	-20	-20	No	8
MW-209B	Acetone	-1.259	µg/L/year	-10	-20	No	8
	Benzene	-0.4534	µg/L/year	-16	-20	No	8
	Chlorobenzene	-0.02514	µg/L/year	-10	-20	No	8
	Xylenes, Total	-1.416	µg/L/year	-20	-20	No	8
	Silvex (2,4,5-TP)	-0.1885	µg/L/year	-8	-20	No	8
	Arsenic	-0.002652	mg/L/year	-10	-20	No	8
	Barium	0.02418	mg/L/year	10	20	No	8
	Cobalt	0.00009947	mg/L/year	14	20	No	8
	Nickel	**0.00328**	**mg/L/year**	**22**	**20**	**Yes**	**8**
	Vanadium	-0.005195	mg/L/year	-13	-20	No	8
	Sulfide	**0.3222**	**mg/L/year**	**22**	**20**	**Yes**	**8**
MW-211B	Arsenic	0.009574	mg/L/year	20	20	No	8
	Barium	0.03408	mg/L/year	2	20	No	8
	Cobalt	-0.01124	mg/L/year	-6	-20	No	8
	Nickel	-0.001522	mg/L/year	-2	-20	No	8

NOTES:

BOLD - Statistically significant trend identified for constituent.

mg/L/year - milligrams per liter per year

N - Number of samples used to evaluate trend

S - Mann-Kendall Statistic

µg/L/year - micrograms per liter per year

COMMENTS:

- This table reports only trends for constituents detected above the method detection limit in the Source Characterization Monitoring Program monitoring wells.

Table 13
CAMP - Natural Attenuation Parameters
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well ID	Date	TOC	Nitrate	Iron (Total)	Manganese (Total)	Sulfate
		mg/L	mg/L	mg/L	mg/L	mg/L
MW-1A	4/6/2015	4.93	<0.100	25.3	4.44	25.1
	10/5/2015	4.44	<0.100	22.5	3.94	25.2
	4/4/2016	5.03	1.20	24.8	4.31	23.3
	10/17/2016	4.84	<0.100	23.2	4.13	23.5
	10/20/2021	6.92	<0.100	31.9	4.02	16.5
	5/2/2022	6.94	<0.100	29.0	3.89	23.9
	5/1/2023	8.80	<0.200	39.5	4.49	57.3
	4/29/2024	5.72	<0.200	62.5	4.46	460
	5/8/2025	7.23	<0.200	12.8	4.43	252
MW-2A-97	4/6/2015	6.83	0.461	12.4	10.5	49.6
	10/5/2015	7.05	<0.100	26.6	11.8	49.4
	4/4/2016	6.15	1.07	16.8	8.36	200
	10/17/2016	6.47	1.37	23.1	8.50	39.9
	10/20/2021	5.97	0.600	3.54	5.27	81.7
	5/2/2022	7.52	<0.100	25.7	10.5	64.4
	5/1/2023	7.21	<0.200	20.9	8.66	181
	4/29/2024	6.05	0.395	0.916	7.61	98.7
	5/8/2025	7.38	<0.200	2.79	7.40	91.0
MW-16A	4/6/2015	1.17	<0.100	<0.100	0.406	23.7
	10/5/2015	1.50	<0.100	<0.100	0.261	9.48
	4/4/2016	1.31	<0.100	<0.100	0.474	20.0
	10/17/2016	0.585 J	<0.100	<0.100	0.163	8.09
	10/20/2021	2.40	<0.100	0.0720 J	0.513	9.00
	5/2/2022	3.09	<0.100	<0.100	0.185	12.3
	5/1/2023	2.59	<0.200	0.0426 J	0.317	13.1
	4/29/2024	2.00	0.238	<0.100	0.140	18.1
	4/29/2025	2.38	0.469	<0.100	0.318	19.9
MW-206A	4/6/2015	1.56	0.106	<0.100	<0.0100	70.1
	10/5/2015	1.77	0.120	0.221	0.0153	74.4
	4/4/2016	1.72	0.124	0.0767 J	0.00697 J	82.9
	10/17/2016	0.991 J	0.128	<0.100	0.00939 J	69.8
	10/20/2021	2.07	0.700	<0.100	0.00800	81.1
	5/2/2022	2.19	1.10	<0.100	<0.00500	82.1
	5/1/2023	2.51	0.792	<0.100	<0.0100	79.6
	4/29/2024	2.41	2.10	0.0571 J	<0.0100	76.9
	4/29/2025	4.10	<0.200	<0.100	<0.0100	61.6

Table 13
CAMP - Natural Attenuation Parameters
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well ID	Date	TOC	Nitrate	Iron (Total)	Manganese (Total)	Sulfate
		mg/L	mg/L	mg/L	mg/L	mg/L
MW-207A	4/6/2015	10.9	<0.100	27.2	0.872	9.11
	10/5/2015	9.76	<0.100	28.6	1.04	24.1
	4/4/2016	9.54	<0.100	23.9	0.931	39.4
	10/17/2016	9.20	0.404	25.8	1.10	31.0
	10/20/2021	10.1	<0.100	31.1	1.34	<1.00
	5/2/2022	10.7	<0.100	30.8	1.28	2.70
	5/1/2023	13.2	<0.200	32.5	1.41	23.4
	4/29/2024	11.7	<0.200	27.4	1.32	39.5
	4/28/2025	10.0	<0.200	136	6.64	66.0
MW-212A	4/6/2015	8.93	<0.100	82.4	19.0	208
	10/5/2015	16.2	<0.100	63.6	19.3	65.5
	4/4/2016	11.9	<0.100	75.1	15.2	266
	10/17/2016	17.7	1.13	68.8	17.6	109
	10/20/2021	25.8	<0.100	46.5	10.7	159
	5/2/2022	4.16	<0.100	20.1	3.92	789
	5/1/2023	4.34	<0.200	27.4	4.96	717
	4/29/2024	21.0	<0.200	5.92	10.1	693
	4/28/2025	11.9	<0.200	12.2	12.5	373
MW-6B	4/6/2015	9.52	<0.100	63.3	20.0	<1.00
	10/5/2015	12.1	<0.100	61.2	19.5	<5.00
	4/4/2016	11.6	<0.100	64.2	21.2	<1.00
	10/17/2016	6.54	<0.100	61.3	19.7	<1.00
	10/20/2021	13.5	<0.100	35.5	12.1	81.0
	5/2/2022	13.3	<0.100	40.8	13.7	109
	5/1/2023	15.6	0.278	39.6	13.8	48.9
	4/29/2024	12.1	<0.200	25.6	13.1	111
	4/28/2025	10.00	<0.200	28.2	13.2	309
MW-11B	4/6/2015	4.33	0.301	35.1	1.66	10.4
	10/5/2015	4.67	<0.100	36.7	1.81	8.78
	4/4/2016	4.81	<0.100	36.2	1.64	8.66
	10/17/2016	5.08	<0.100	36.1	1.43	11.5
	10/20/2021	5.82	<0.100	34.0	2.03	62.8
	5/2/2022	4.89	<0.100	20.4	0.929	69.6
	5/1/2023	4.44	0.228	18.2	1.19	73.6
	4/29/2024	5.44	<0.200	18.3	1.08	74.7
	4/29/2025	5.23	<0.200	20.7	1.08	67.0

Table 13
CAMP - Natural Attenuation Parameters
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Well ID	Date	TOC	Nitrate	Iron (Total)	Manganese (Total)	Sulfate
		mg/L	mg/L	mg/L	mg/L	mg/L
MW-209B	4/6/2015	73.7	<0.1	56.6	4.10	<1.00
	10/5/2015	7.37	<0.1	60.1	4.66	<5.00
	4/4/2016	62.6	0.0980 J	57.6	4.77	0.542 J
	10/17/2016	24.4	0.662	50.8	3.87	<1.00
	10/20/2021	70.6	0.300	54.7	4.41	<1.00
	5/2/2022	55.4	0.100	56.1	4.13	<1.00
	5/1/2023	57.9	1.69	51.6	4.58	<1.00
	4/29/2024	21.0	1.27	60.3	4.88	<1.00
	4/28/2025	19.1	0.759	60.1	4.45	11.6
MW-211B	4/6/2015	2.66	<0.100	0.125	2.05	33.5
	10/5/2015	2.22	<0.100	0.0703	2.80	29.6
	4/4/2016	2.16	0.0969 J	<0.100	3.33	31.7
	10/17/2016	2.72	<0.100	0.120	3.55	28.5
	10/20/2021	NS	NS	NS	NS	NS
	5/2/2022	9.97	0.400	22.1	13.1	21.5
	5/1/2023	20.8	<0.200	70.8	11.8	4.44
	4/29/2024	8.86	<0.200	36.3	10.2	18.5
	4/28/2025	7.34	<0.200	207	43.4	22.2

NOTES:

NS - Not Sampled

J - Laboratory qualifier indicating result is less than the reporting limit but greater than or equal to the method detection limit. The concentration is an approximate value.

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Table 14
RPD Summary
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Spring 2025 Semiannual Sampling Event							
Constituent	**Units**	**DUP-1**	**MW-24A**	**RPD**	**DUP-2**	**MW-31B**	**RPD**
Acetone	µg/L	<10.0	<10.0	N/A	3.81 J	<10.0	N/A
Arsenic	mg/L	0.0175	0.0180	2.8%	0.00123 J	0.00203	N/A
Barium	mg/L	0.351	0.350	0.3%	0.434	0.431	0.7%
Chromium	mg/L	<0.00500	<0.00500	N/A	0.00249 J	0.00419 J	N/A
Cobalt	mg/L	0.00305	0.00394	25.5%	0.000719	0.00115	46.1%
Lead	mg/L	<0.000500	<0.000500	N/A	0.000916	0.00163	56.1%
Nickel	mg/L	0.00244 J	0.00546	N/A	<0.00500	0.00338 J	N/A
Vanadium	mg/L	<0.00500	<0.00500	N/A	0.00341 J	0.00545	N/A

Notes:

J - A laboratory flag for a constituent detected between the method detection limit (MDL) and the laboratory's reporting limit (RL). The concentrations are estimated values and are not considered statistically significant.

mg/L - milligrams per liter

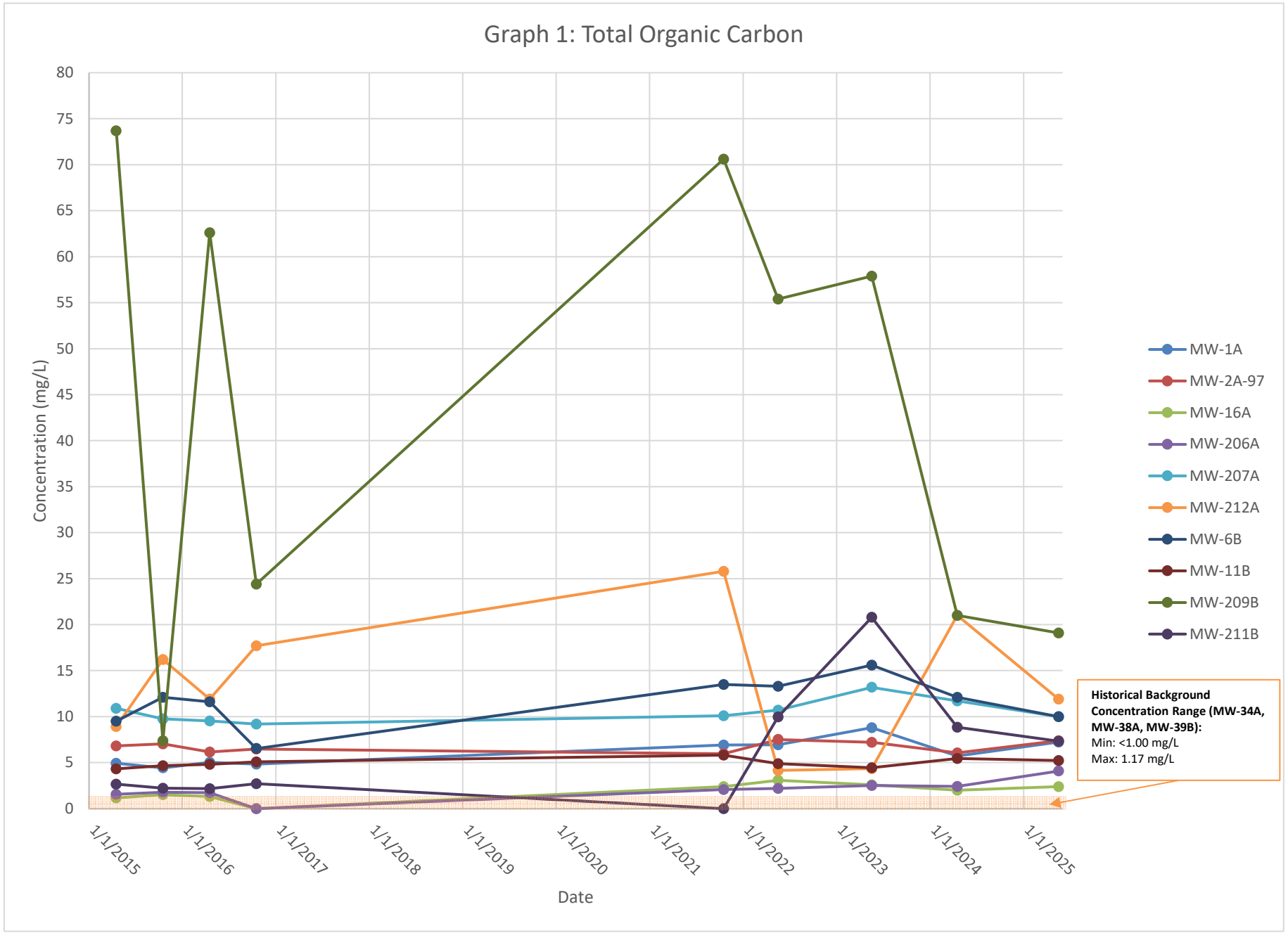
N/A - Not Applicable

RPD - Relative Percent Difference

Table 14
RPD Summary
2025 Spring Statistical Analysis Report
City of Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Spring 2025 Semiannual Sampling Event								
Duplicate Pair	**Constituent**	**Units**	**Duplicate Concentration**	**Parent Sample Concentration**	**Absolute Difference**	**RL**	**2*RL**	**Absolute Difference < 2*RL (Yes or No)**
MW-24A/DUP-1	Nickel	mg/L	0.00244 J	0.00546	0.00302	0.00500	0.0100	Yes
MW-31B/DUP-2	Arsenic	mg/L	0.00123 J	0.00203	0.000800	0.00500	0.0100	Yes
MW-31B/DUP-2	Lead	mg/L	0.000916	0.00163	0.000714	0.000500	0.00100	Yes
MW-31B/DUP-2	Vanadium	mg/L	0.00341 J	0.00545	0.00204	0.00500	0.0100	Yes

Notes:
mg/L - milligrams per liter
RL - Reporting Limit


Graph 1: Total Organic Carbon
Concentration (mg/L)
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025
Date
MW-1A
MW-2A-97
MW-16A
MW-206A
MW-207A
MW-212A
MW-6B
MW-11B
MW-209B
MW-211B
Historical Background Concentration Range (MW-34A, MW-38A, MW-39B):
Min: <1.00 mg/L
Max: 1.17 mg/L

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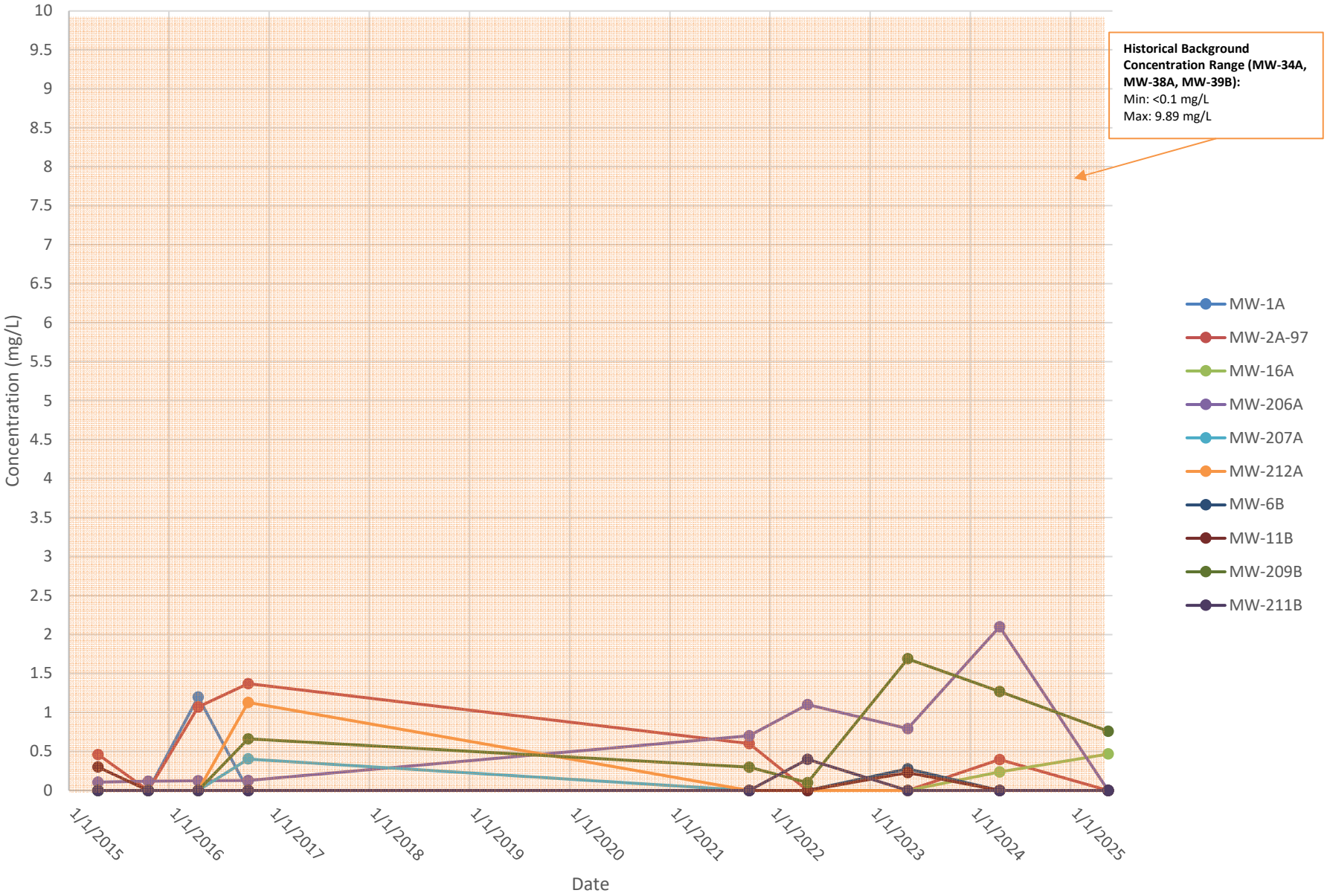
Graph 2: Nitrate as Nitrogen



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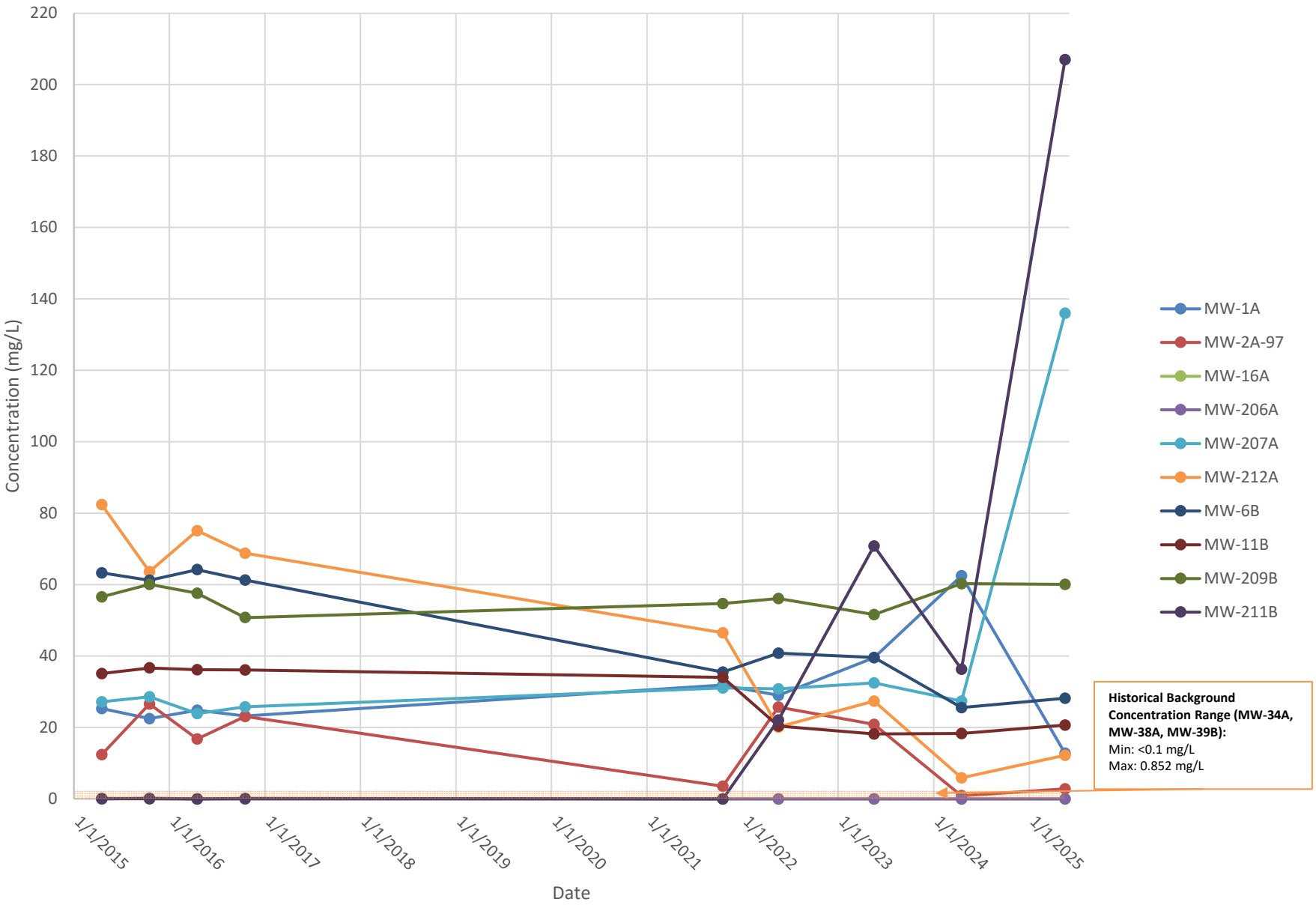
Graph 3: Iron (Total)



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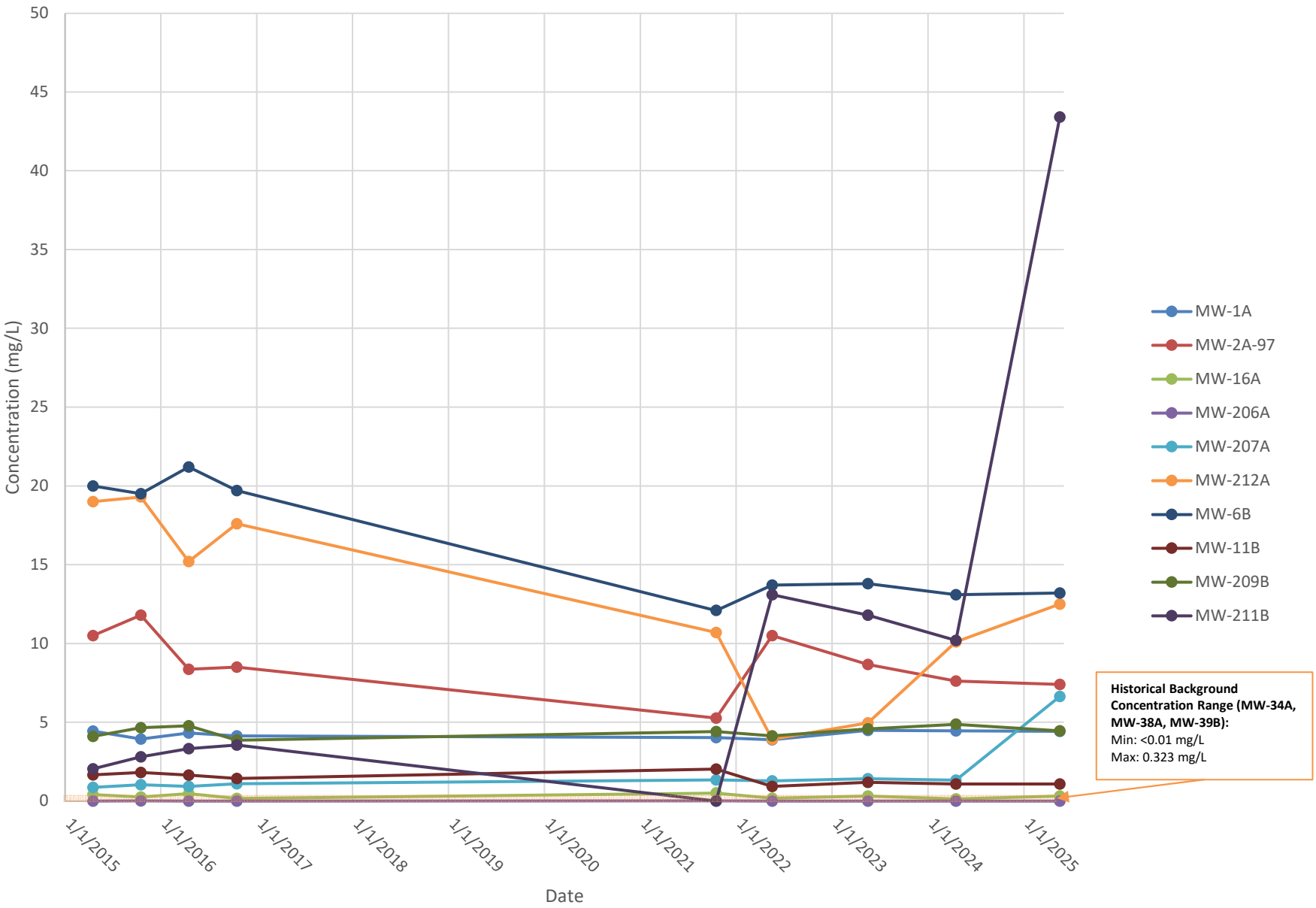
Graph 4: Manganese (Total)



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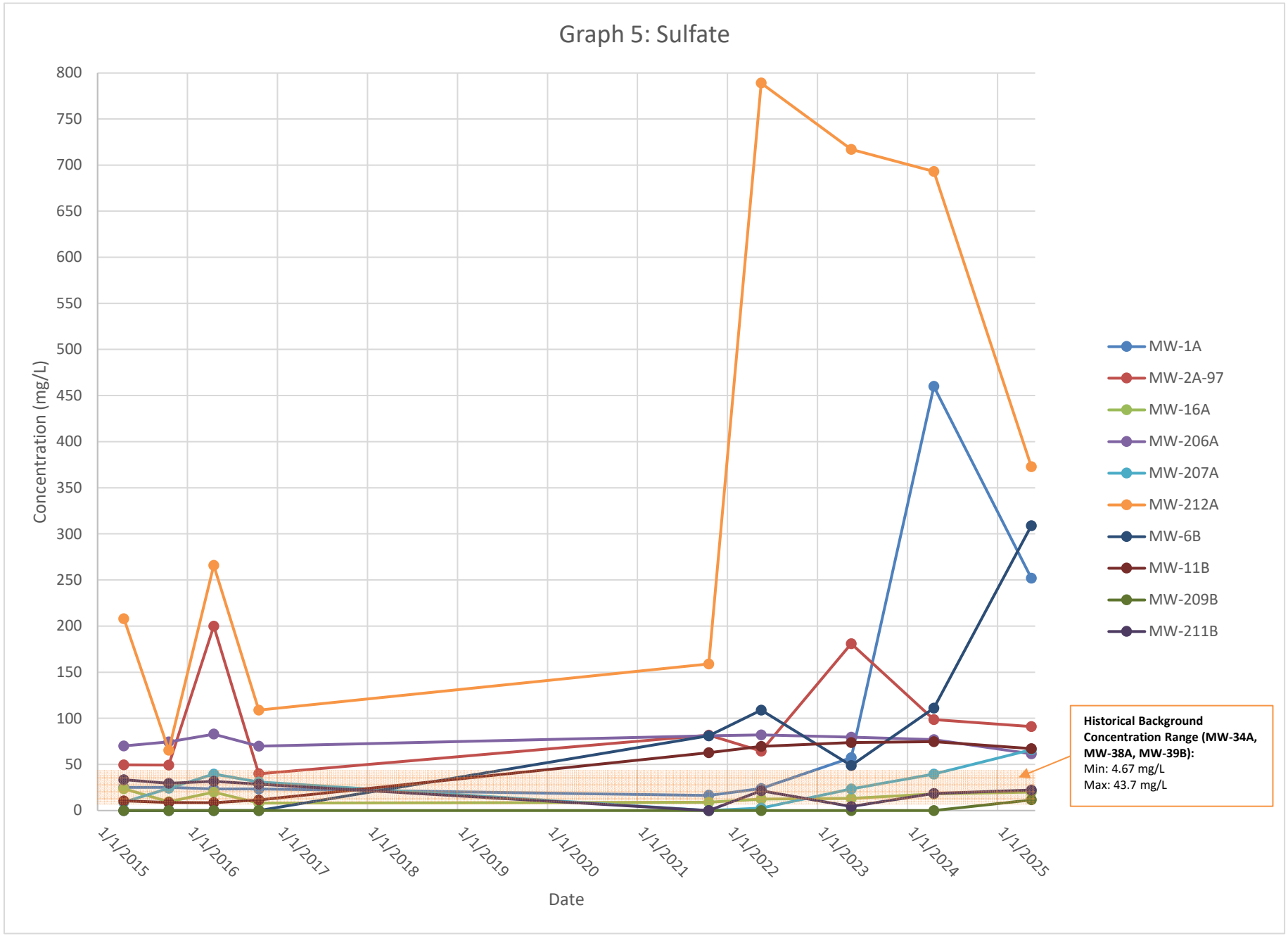
Graph 5: Sulfate
Concentration (mg/L)
800
750
700
650
600
550
500
450
400
350
300
250
200
150
100
50
0
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025
Date
MW-1A
MW-2A-97
MW-16A
MW-206A
MW-207A
MW-212A
MW-6B
MW-11B
MW-209B
MW-211B
Historical Background Concentration Range (MW-34A, MW-38A, MW-39B):
Min: 4.67 mg/L
Max: 43.7 mg/L

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Appendix A

Spring 2025 Statistical Analysis

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Statistical Analysis: Underdrains

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Groundwater Underdrain –

Outliers Analysis

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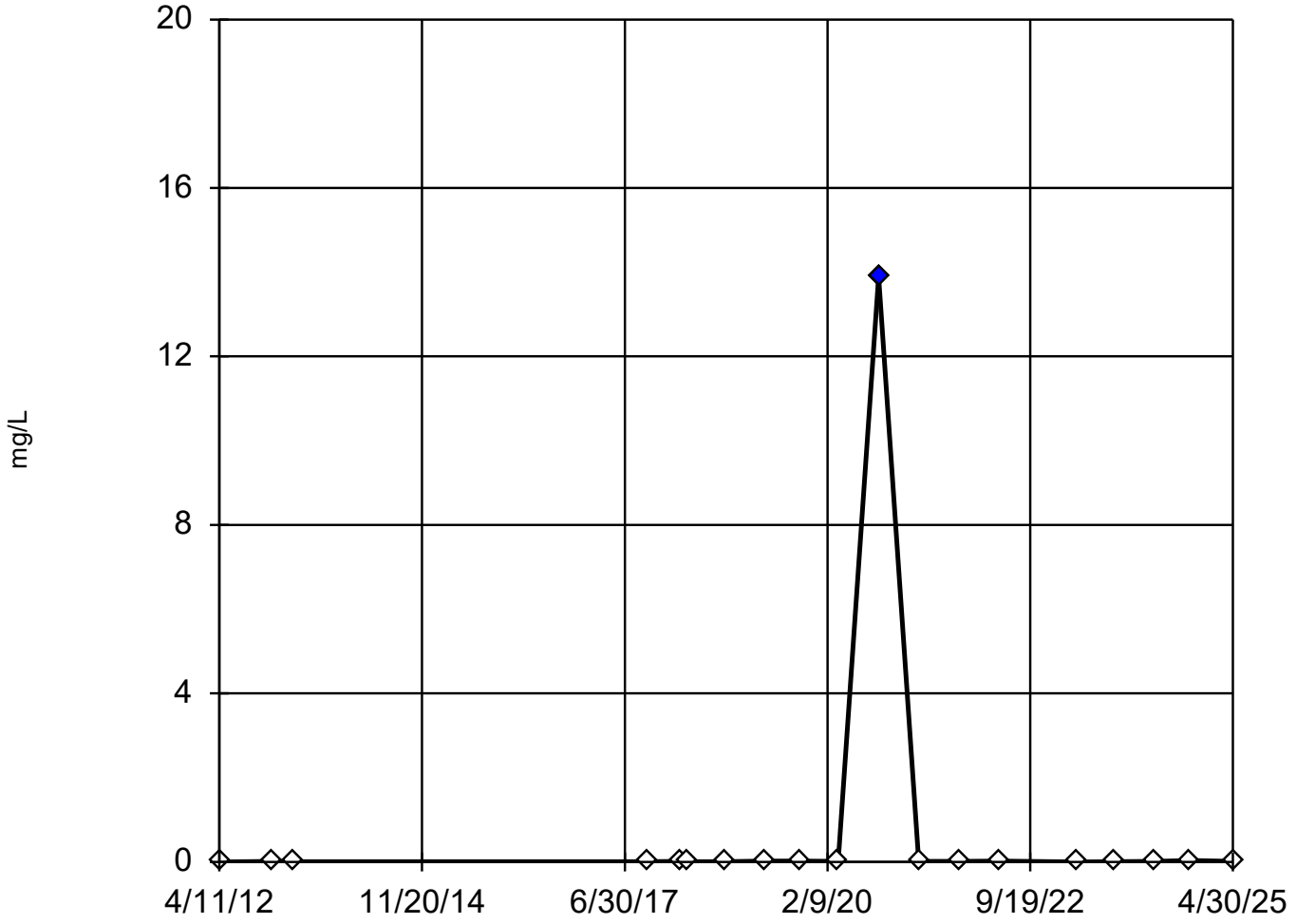
Dixon's Outlier Test

WT-3



n = 19

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 0.743.
Std. Dev. = 3.186.
13.9 (o): c = 0.9987
tabl = 0.462.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9288
Critical = 0.914
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Arsenic Analysis Run 6/24/2025 2:56 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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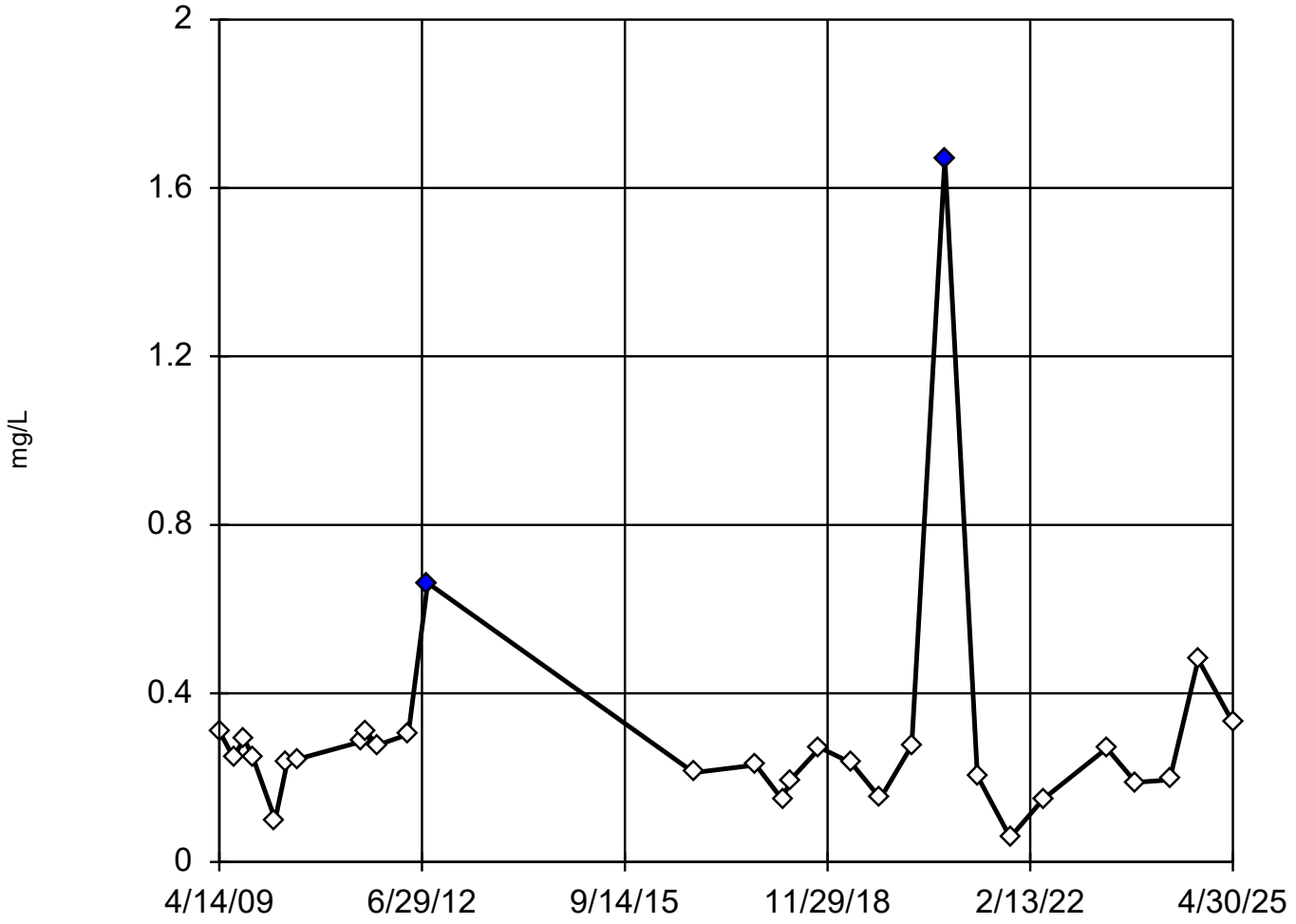
Rosner's Outlier Test

WT-1



n = 29

Statistical outliers are drawn as solid.
1 value manually flagged as an outlier.

k = 3
r = 3.595
Tabulated value = 2.992
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9551
Critical = 0.935
The distribution, after removal of suspect values, was found to be normally distributed.

Constituent: Barium Analysis Run 6/24/2025 2:56 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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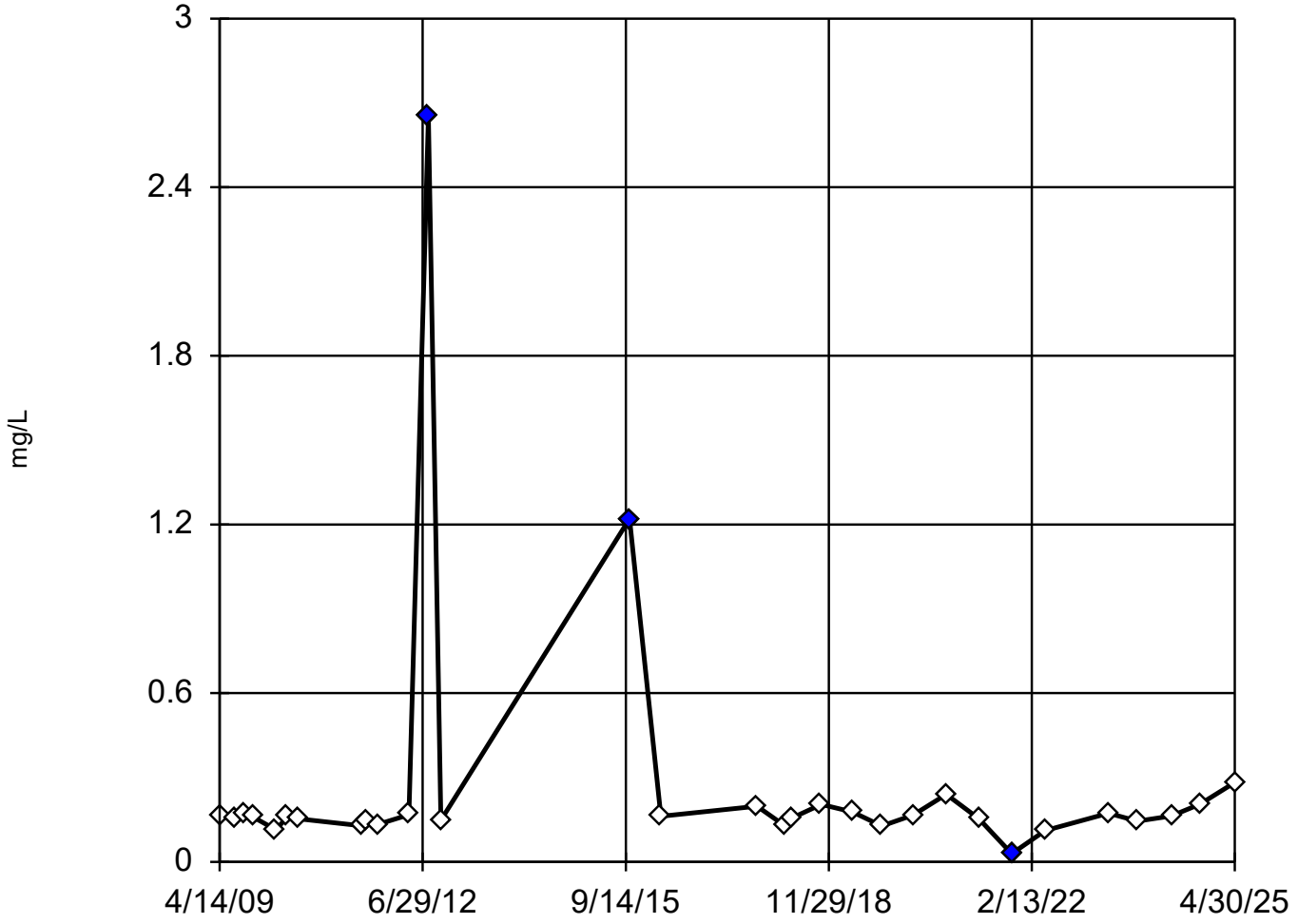
Rosner's Outlier Test

WT-2



n = 31

Statistical outliers are drawn as solid.
2 values manually flagged as outliers.

k = 4
r = 4.407
Tabulated value = 3.028
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9491
Critical = 0.936 (after natural log transformation)
The distribution, after removal of suspect values, was found to be log-normal.

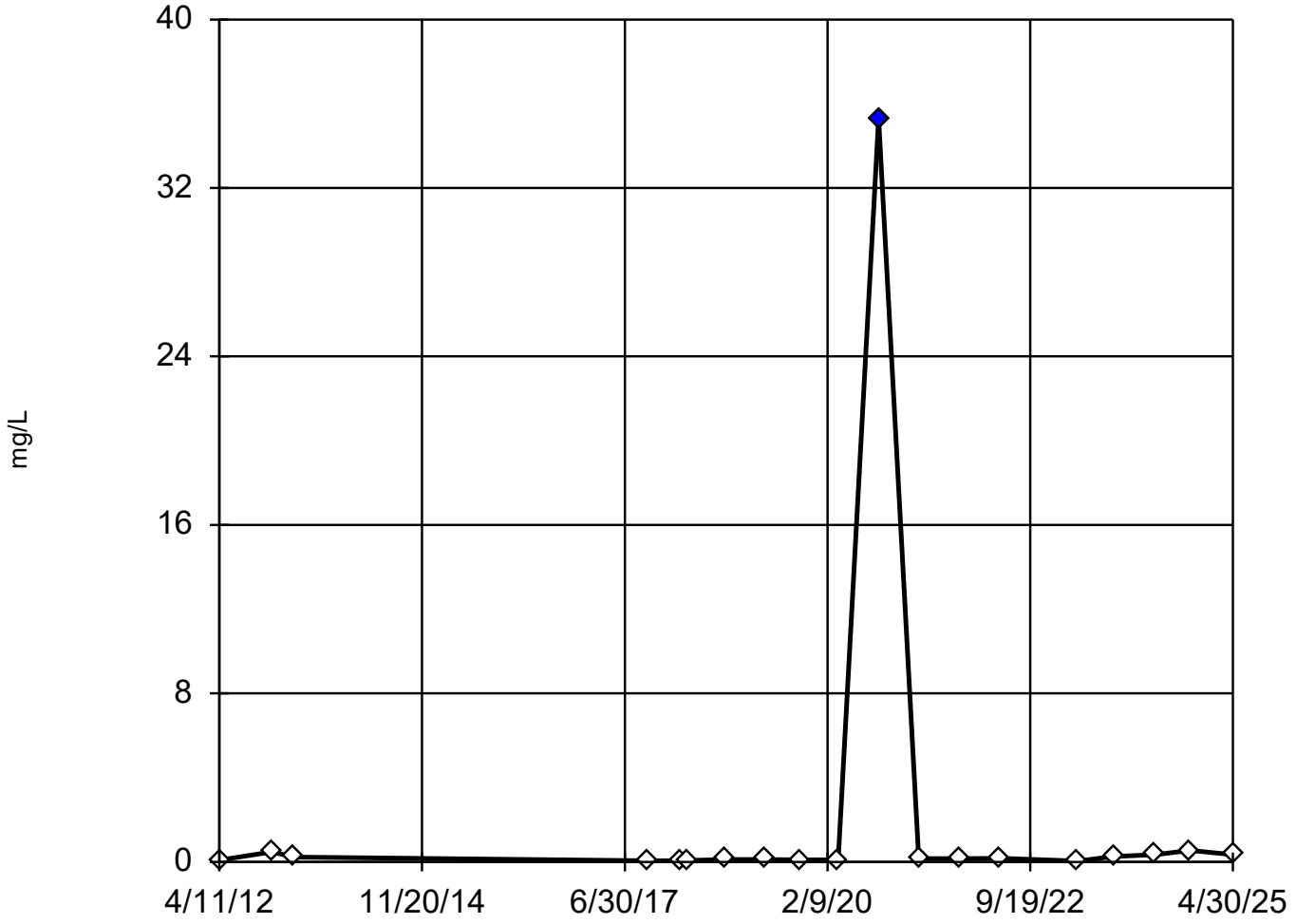
Constituent: Barium Analysis Run 6/24/2025 2:56 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

WT-3



n = 19

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 2.037.
Std. Dev. = 8.056.
35.3 (o): c = 0.6795
tabl = 0.462.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9747
Critical = 0.914 (after natural log transformation)
The distribution, after removal of suspect value, was found to be log-normal.

Constituent: Barium Analysis Run 6/24/2025 2:56 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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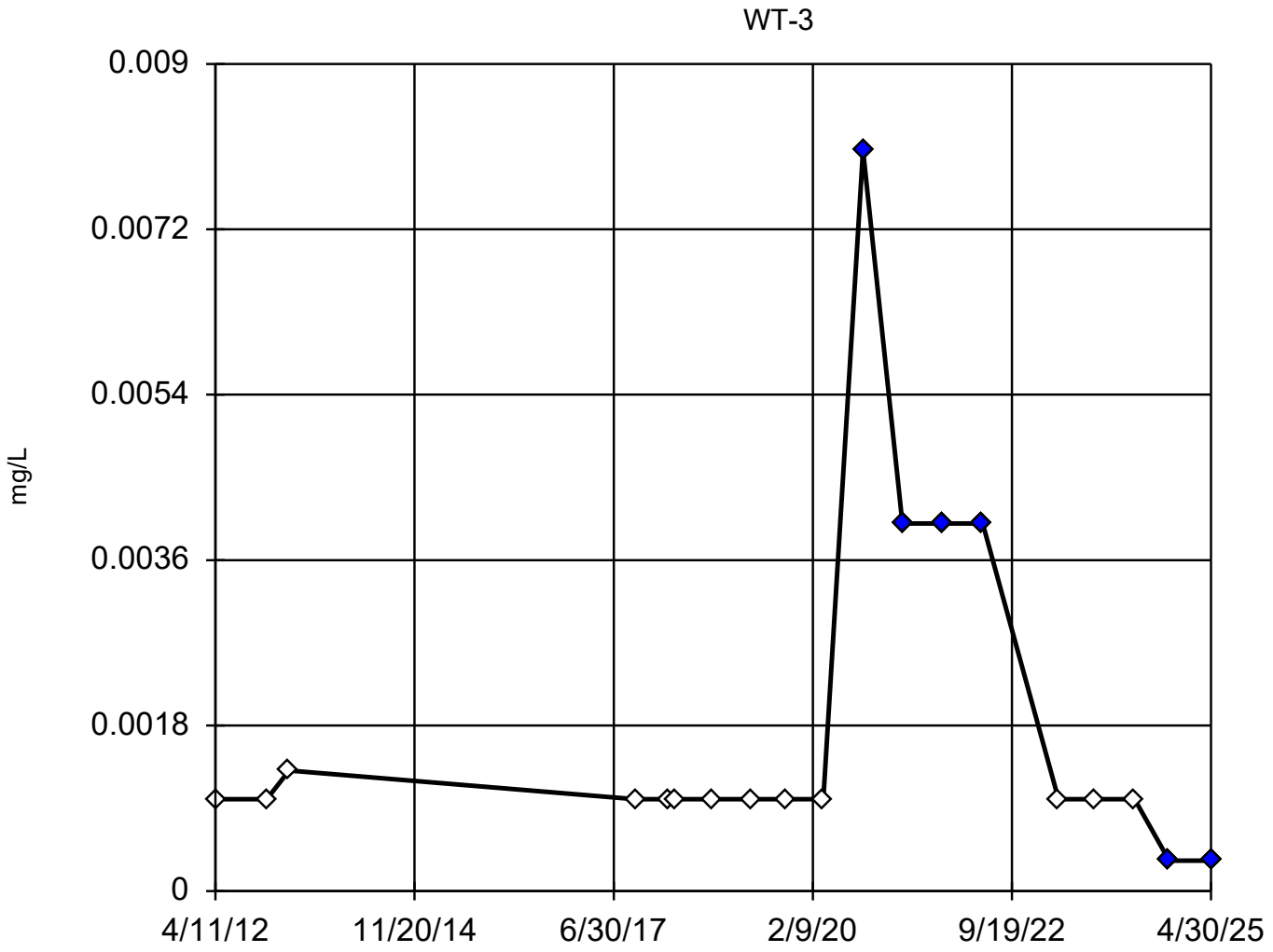
Tukey's Outlier Screening



n = 19

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.002945, low cutoff = 0.0004448, based on IQR multiplier of 3.

Constituent: Beryllium Analysis Run 6/24/2025 2:56 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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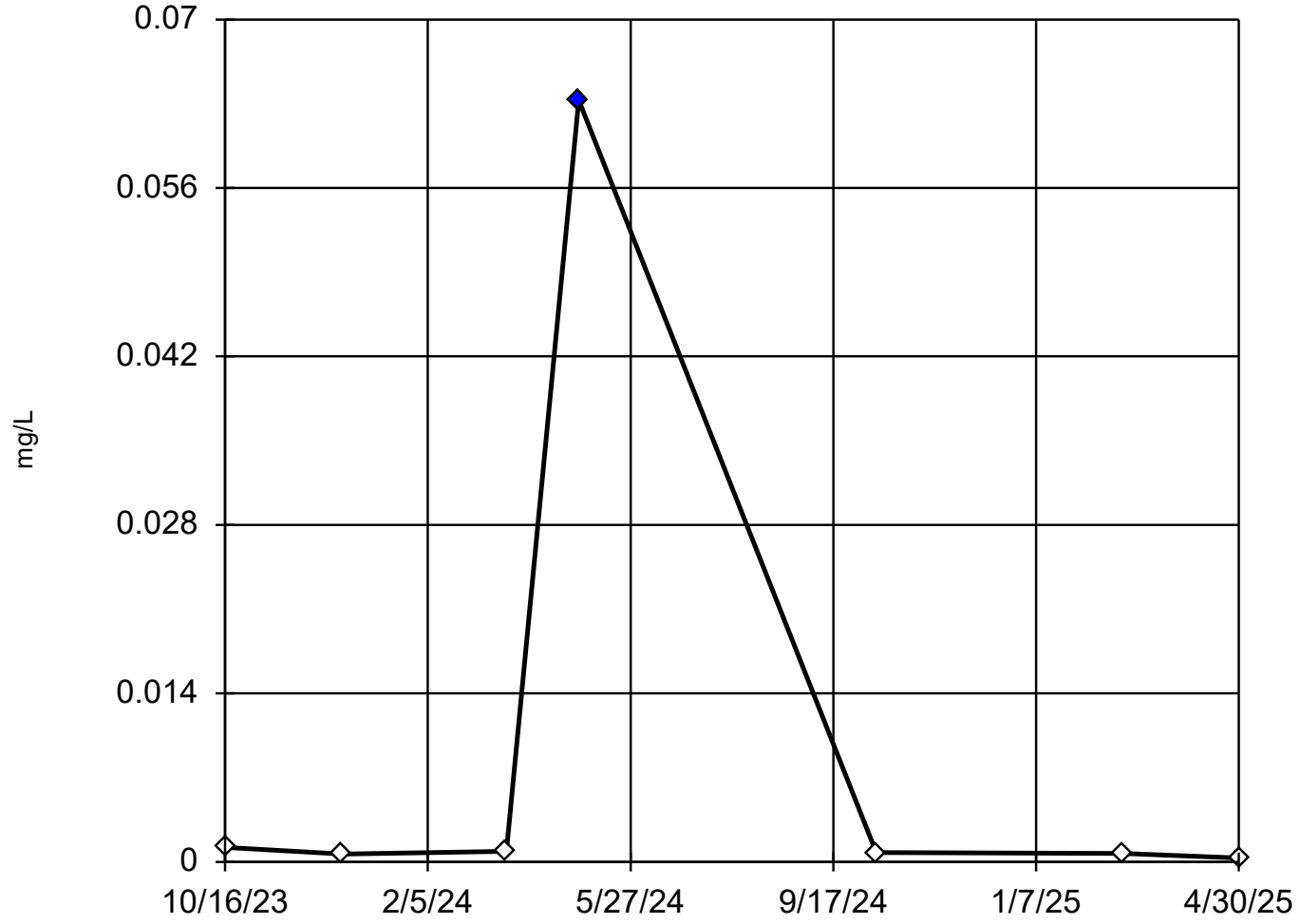
Dixon's Outlier Test

WT-OF



n = 7

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 0.009692.
Std. Dev. = 0.02364.
0.0633 (o): c = 0.9861
tabl = 0.507.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9684
Critical = 0.826
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Cobalt Analysis Run 6/24/2025 2:56 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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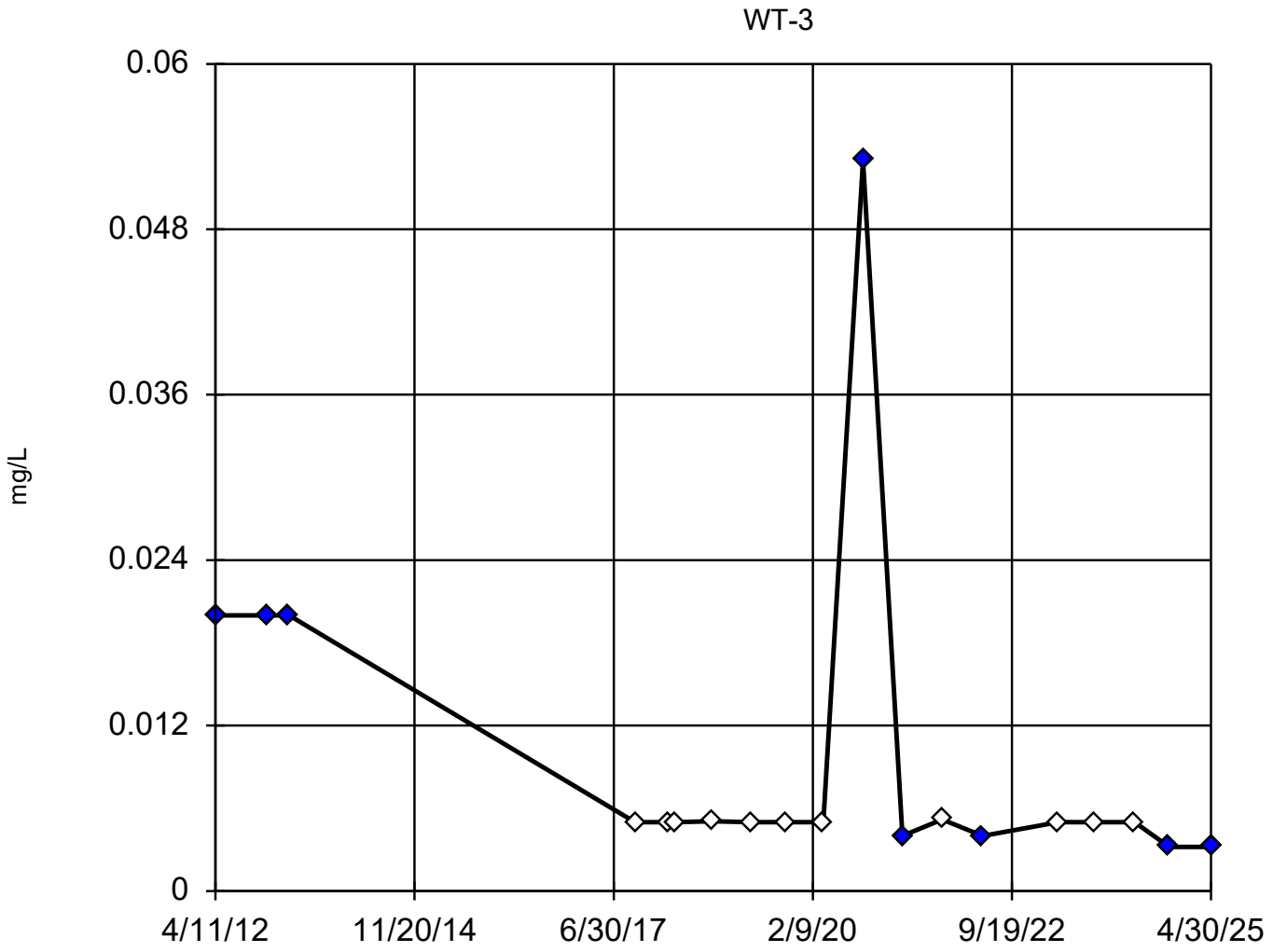
Tukey's Outlier Screening



n = 19

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.005849, low cutoff = 0.004445, based on IQR multiplier of 3.

Constituent: Copper Analysis Run 6/24/2025 2:56 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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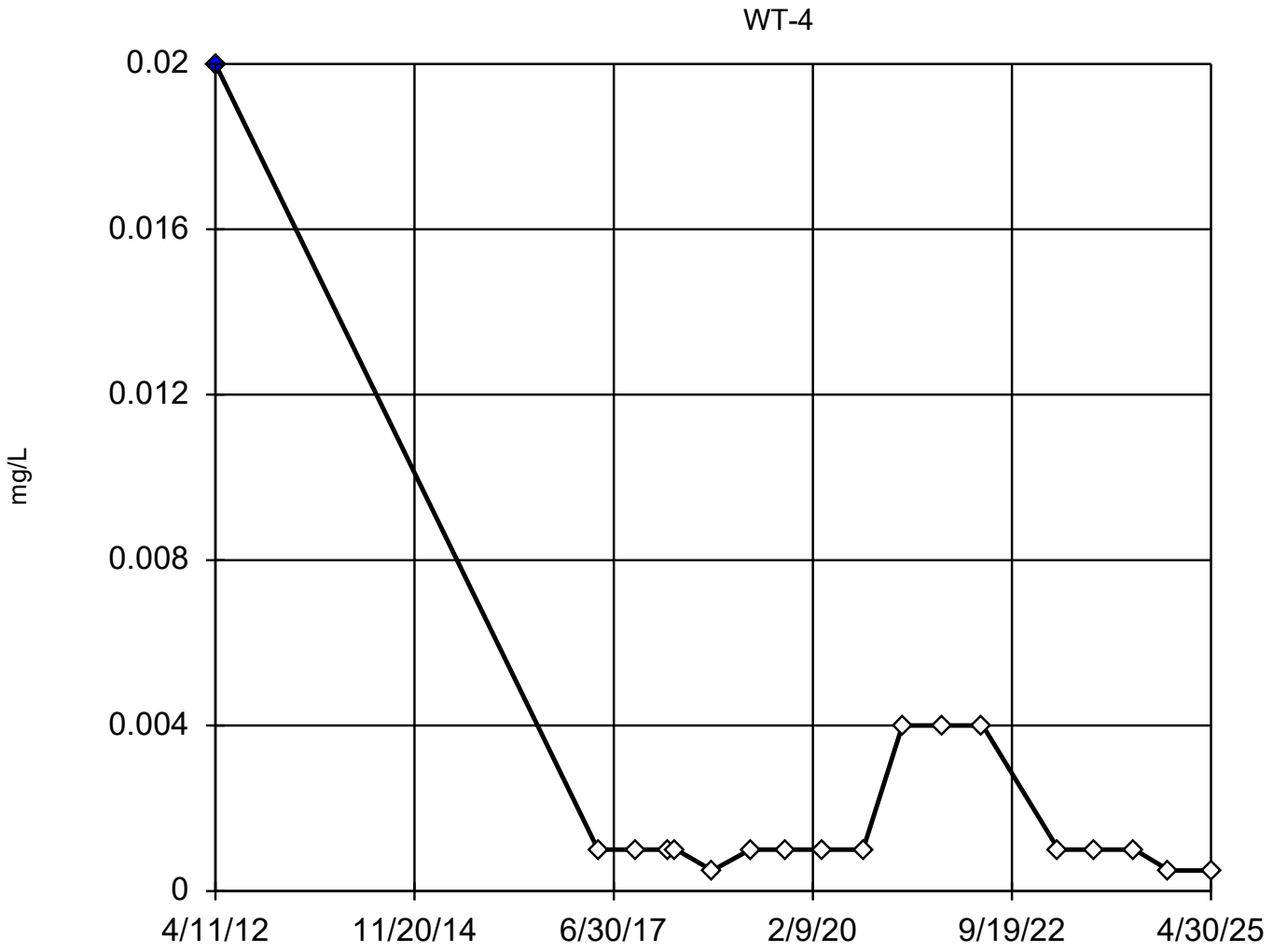
Tukey's Outlier Screening



n = 18

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.016, low cutoff = 0.000125, based on IQR multiplier of 3.

Constituent: Silver Analysis Run 6/24/2025 2:57 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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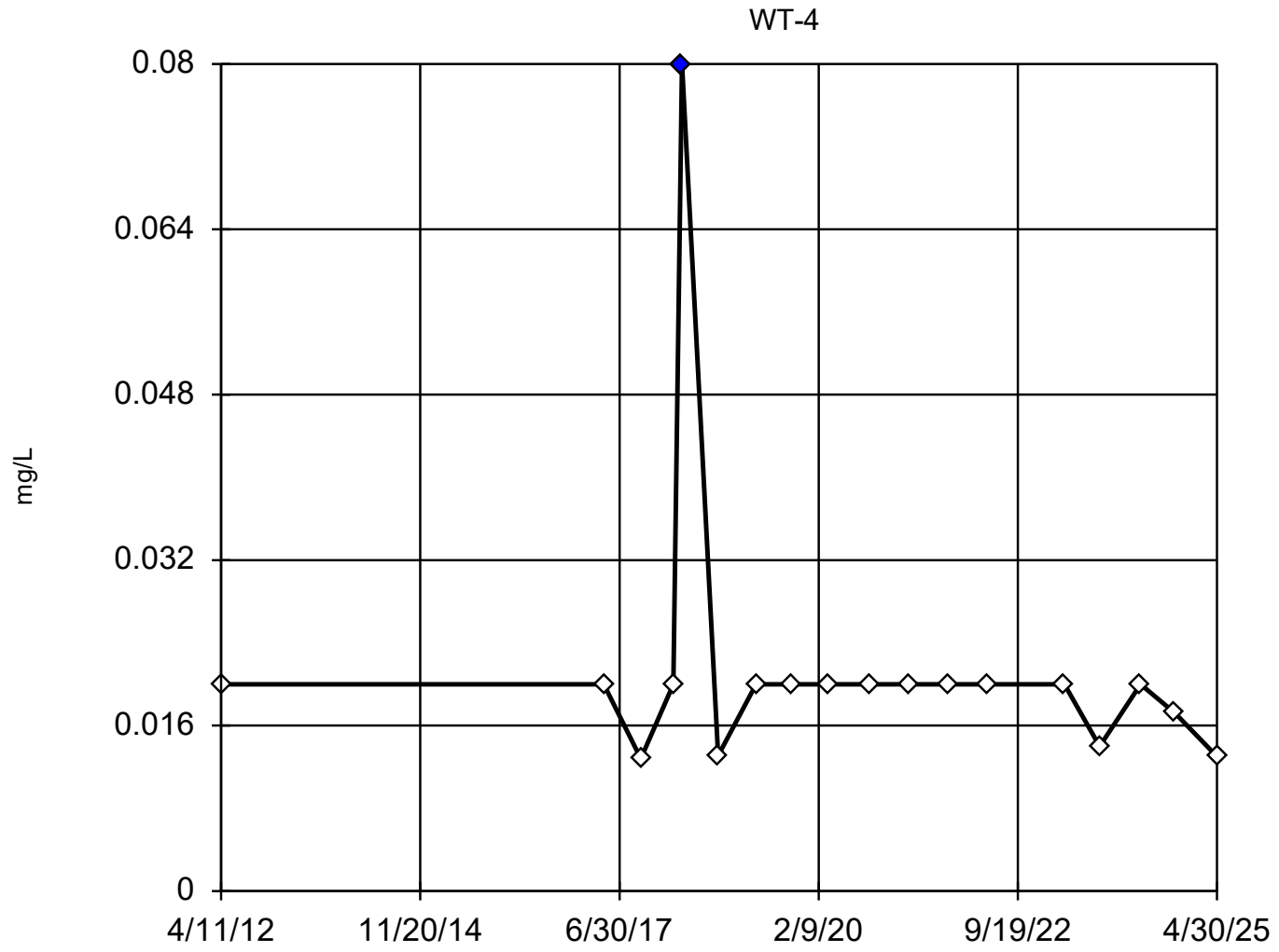
Tukey's Outlier Screening



n = 18

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.04282, low cutoff = 0.007248, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 6/24/2025 2:57 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 6/24/2025, 2:58 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	ST-1	n/a	n/a	n/a	NP (nrm)	NaN	5	0.0052	0.001789	unknown	ShapiroWilk
Antimony (mg/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.00308	0.002281	unknown	ShapiroWilk
Antimony (mg/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	30	0.003713	0.00383	unknown	ShapiroWilk
Antimony (mg/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	19	0.00317	0.004454	unknown	ShapiroWilk
Antimony (mg/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	18	0.001682	0.001264	unknown	ShapiroWilk
Antimony (mg/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	7	0.001571	0.0005345	unknown	ShapiroWilk
Arsenic (mg/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	6	0.00135	0.0006442	unknown	ShapiroWilk
Arsenic (mg/L)	WT-1	No	n/a	n/a	NP (nrm)	NaN	29	0.003851	0.002873	unknown	ShapiroWilk
Arsenic (mg/L)	WT-2	No	n/a	n/a	EPA 1989	0.05	31	0.01018	0.01581	ln(x)	ShapiroWilk
Arsenic (mg/L)	**WT-3**	**Yes**	**13.9**	**10/7/2020**	**Dixon`s**	**0.05**	**19**	**0.743**	**3.186**	**normal**	**ShapiroWilk**
Arsenic (mg/L)	WT-4	No	n/a	n/a	EPA 1989	0.05	18	0.001943	0.000961	ln(x)	ShapiroWilk
Arsenic (mg/L)	WT-OF	No	n/a	n/a	EPA 1989	0.05	7	0.001256	0.001105	ln(x)	ShapiroWilk
Barium (mg/L)	ST-1	No	n/a	n/a	EPA 1989	0.05	6	0.1412	0.02809	normal	ShapiroWilk
Barium (mg/L)	**WT-1**	**Yes**	**1.67,0.662**	**10/7/20...**	**Rosner`s**	**0.01**	**29**	**0.3025**	**0.2857**	**normal**	**ShapiroWilk**
Barium (mg/L)	**WT-2**	**Yes**	**2.65,1.22,0.0286**	**8/1/201...**	**Rosner`s**	**0.01**	**31**	**0.2739**	**0.4822**	**ln(x)**	**ShapiroWilk**
Barium (mg/L)	**WT-3**	**Yes**	**35.3**	**10/7/2020**	**Dixon`s**	**0.05**	**19**	**2.037**	**8.056**	**ln(x)**	**ShapiroWilk**
Barium (mg/L)	WT-4	No	n/a	n/a	NP (nrm)	NaN	18	0.05534	0.04654	unknown	ShapiroWilk
Barium (mg/L)	WT-OF	No	n/a	n/a	EPA 1989	0.05	7	0.1131	0.02619	normal	ShapiroWilk
Beryllium (mg/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	0.00088	0.0002683	unknown	ShapiroWilk
Beryllium (mg/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.001265	0.0009801	unknown	ShapiroWilk
Beryllium (mg/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001225	0.0009597	unknown	ShapiroWilk
Beryllium (mg/L)	**WT-3**	**Yes**	**0.00806,0.004,0.0...**	**10/7/20...**	**NP (nrm)**	**NaN**	**19**	**0.001791**	**0.001914**	**unknown**	**ShapiroWilk**
Beryllium (mg/L)	WT-4	No	n/a	n/a	NP (nrm)	NaN	18	0.001592	0.001341	unknown	ShapiroWilk
Beryllium (mg/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	7	0.000...	0.0003581	unknown	ShapiroWilk
Cadmium (mg/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	0.00168	0.001123	unknown	ShapiroWilk
Cadmium (mg/L)	WT-1	No	n/a	n/a	NP (nrm)	NaN	28	0.000...	0.0009564	unknown	ShapiroWilk
Cadmium (mg/L)	WT-2	No	n/a	n/a	NP (nrm)	NaN	30	0.000...	0.0009287	unknown	ShapiroWilk
Cadmium (mg/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	19	0.000...	0.0003506	unknown	ShapiroWilk
Cadmium (mg/L)	WT-4	No	n/a	n/a	NP (nrm)	NaN	18	0.000...	0.0002355	unknown	ShapiroWilk
Cadmium (mg/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	7	0.000...	0.0000...	unknown	ShapiroWilk
Chromium (mg/L)	ST-1	n/a	n/a	n/a	NP (nrm)	NaN	5	0.068	0.04382	unknown	ShapiroWilk
Chromium (mg/L)	WT-1	No	n/a	n/a	NP (nrm)	NaN	28	0.03191	0.04039	unknown	ShapiroWilk
Chromium (mg/L)	WT-2	No	n/a	n/a	NP (nrm)	NaN	30	0.03054	0.03939	unknown	ShapiroWilk
Chromium (mg/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	19	0.009831	0.01017	unknown	ShapiroWilk
Chromium (mg/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	18	0.007088	0.004921	unknown	ShapiroWilk
Chromium (mg/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	7	0.003694	0.001699	unknown	ShapiroWilk
Cobalt (mg/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	6	0.01136	0.009493	unknown	ShapiroWilk
Cobalt (mg/L)	WT-1	No	n/a	n/a	EPA 1989	0.05	29	0.01507	0.03759	ln(x)	ShapiroWilk
Cobalt (mg/L)	WT-2	No	n/a	n/a	EPA 1989	0.05	31	0.008738	0.01133	ln(x)	ShapiroWilk
Cobalt (mg/L)	WT-3	No	n/a	n/a	NP (nrm)	NaN	19	0.009389	0.01725	unknown	ShapiroWilk
Cobalt (mg/L)	WT-4	No	n/a	n/a	EPA 1989	0.05	18	0.002215	0.004599	ln(x)	ShapiroWilk
Cobalt (mg/L)	**WT-OF**	**Yes**	**0.0633**	**4/29/2024**	**Dixon`s**	**0.05**	**7**	**0.009692**	**0.02364**	**normal**	**ShapiroWilk**
Copper (mg/L)	ST-1	n/a	n/a	n/a	NP (nrm)	NaN	5	0.023	0.002739	unknown	ShapiroWilk
Copper (mg/L)	WT-1	No	n/a	n/a	NP (nrm)	NaN	28	0.01238	0.00917	unknown	ShapiroWilk
Copper (mg/L)	WT-2	No	n/a	n/a	NP (nrm)	NaN	30	0.0125	0.009222	unknown	ShapiroWilk
Copper (mg/L)	**WT-3**	**Yes**	**0.02,0.02,0.02,0....**	**4/11/20...**	**NP (nrm)**	**NaN**	**19**	**0.009613**	**0.01198**	**unknown**	**ShapiroWilk**
Copper (mg/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	18	0.006317	0.005008	unknown	ShapiroWilk
Copper (mg/L)	WT-OF	No	n/a	n/a	EPA 1989	0.05	7	0.004971	0.002467	normal	ShapiroWilk
Lead (mg/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	6	0.0046	0.0006325	unknown	ShapiroWilk
Lead (mg/L)	WT-1	No	n/a	n/a	NP (nrm)	NaN	28	0.003141	0.002293	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 6/24/2025, 2:58 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Lead (mg/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	30	0.003003	0.002692	unknown	ShapiroWilk
Lead (mg/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	19	0.004221	0.007878	unknown	ShapiroWilk
Lead (mg/L)	WT-4	No	n/a	n/a	NP (nrm)	NaN	18	0.001574	0.001535	unknown	ShapiroWilk
Lead (mg/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	7	0.000...	0.0004083	unknown	ShapiroWilk
Nickel (mg/L)	ST-1	n/a	n/a	n/a	NP (nrm)	NaN	5	0.026	0.02191	unknown	ShapiroWilk
Nickel (mg/L)	WT-1	No	n/a	n/a	EPA 1989	0.05	28	0.01911	0.02648	ln(x)	ShapiroWilk
Nickel (mg/L)	WT-2	No	n/a	n/a	NP (nrm)	NaN	30	0.01881	0.02277	unknown	ShapiroWilk
Nickel (mg/L)	WT-3	No	n/a	n/a	NP (nrm)	NaN	19	0.0259	0.04959	unknown	ShapiroWilk
Nickel (mg/L)	WT-4	No	n/a	n/a	EPA 1989	0.05	18	0.01141	0.009319	ln(x)	ShapiroWilk
Nickel (mg/L)	WT-OF	No	n/a	n/a	EPA 1989	0.05	7	0.0146	0.01597	ln(x)	ShapiroWilk
Selenium (mg/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	6	0.007983	0.003194	unknown	ShapiroWilk
Selenium (mg/L)	WT-1	No	n/a	n/a	NP (nrm)	NaN	29	0.005544	0.003057	unknown	ShapiroWilk
Selenium (mg/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	0.005701	0.002799	unknown	ShapiroWilk
Selenium (mg/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	19	0.005523	0.006338	unknown	ShapiroWilk
Selenium (mg/L)	WT-4	No	n/a	n/a	NP (nrm)	NaN	18	0.003879	0.001486	unknown	ShapiroWilk
Selenium (mg/L)	WT-OF	No	n/a	n/a	EPA 1989	0.05	7	0.005229	0.00552	ln(x)	ShapiroWilk
Silver (mg/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	0.02	0.006124	unknown	ShapiroWilk
Silver (mg/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.00836	0.009626	unknown	ShapiroWilk
Silver (mg/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	30	0.008517	0.009622	unknown	ShapiroWilk
Silver (mg/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	19	0.005395	0.007834	unknown	ShapiroWilk
Silver (mg/L)	**WT-4**	**Yes**	**0.02**	**4/11/2012**	**NP (nrm)**	**NaN**	**18**	**0.002472**	**0.004536**	**unknown**	**ShapiroWilk**
Silver (mg/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	7	0.000...	0.0002673	unknown	ShapiroWilk
Thallium (mg/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	0.00168	0.0007155	unknown	ShapiroWilk
Thallium (mg/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.001384	0.0006161	unknown	ShapiroWilk
Thallium (mg/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	30	0.00136	0.0006922	unknown	ShapiroWilk
Thallium (mg/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	19	0.002323	0.004315	unknown	ShapiroWilk
Thallium (mg/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	18	0.00123	0.0005098	unknown	ShapiroWilk
Thallium (mg/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	7	0.000...	0.0002298	unknown	ShapiroWilk
Vanadium (mg/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	0.05	0	unknown	ShapiroWilk
Vanadium (mg/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.02571	0.0209	unknown	ShapiroWilk
Vanadium (mg/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	30	0.02544	0.02141	unknown	ShapiroWilk
Vanadium (mg/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	19	0.02129	0.03065	unknown	ShapiroWilk
Vanadium (mg/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	18	0.01138	0.01171	unknown	ShapiroWilk
Vanadium (mg/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	7	0.003741	0.001713	unknown	ShapiroWilk
Zinc (mg/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	6	0.0809	0.03089	unknown	ShapiroWilk
Zinc (mg/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	29	0.04302	0.03616	unknown	ShapiroWilk
Zinc (mg/L)	WT-2	No	n/a	n/a	NP (nrm)	NaN	30	0.04047	0.03577	unknown	ShapiroWilk
Zinc (mg/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	19	0.09684	0.2123	unknown	ShapiroWilk
Zinc (mg/L)	**WT-4**	**Yes**	**0.08**	**4/26/2018**	**NP (nrm)**	**NaN**	**18**	**0.02167**	**0.01484**	**unknown**	**ShapiroWilk**
Zinc (mg/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	7	0.01733	0.004225	unknown	ShapiroWilk

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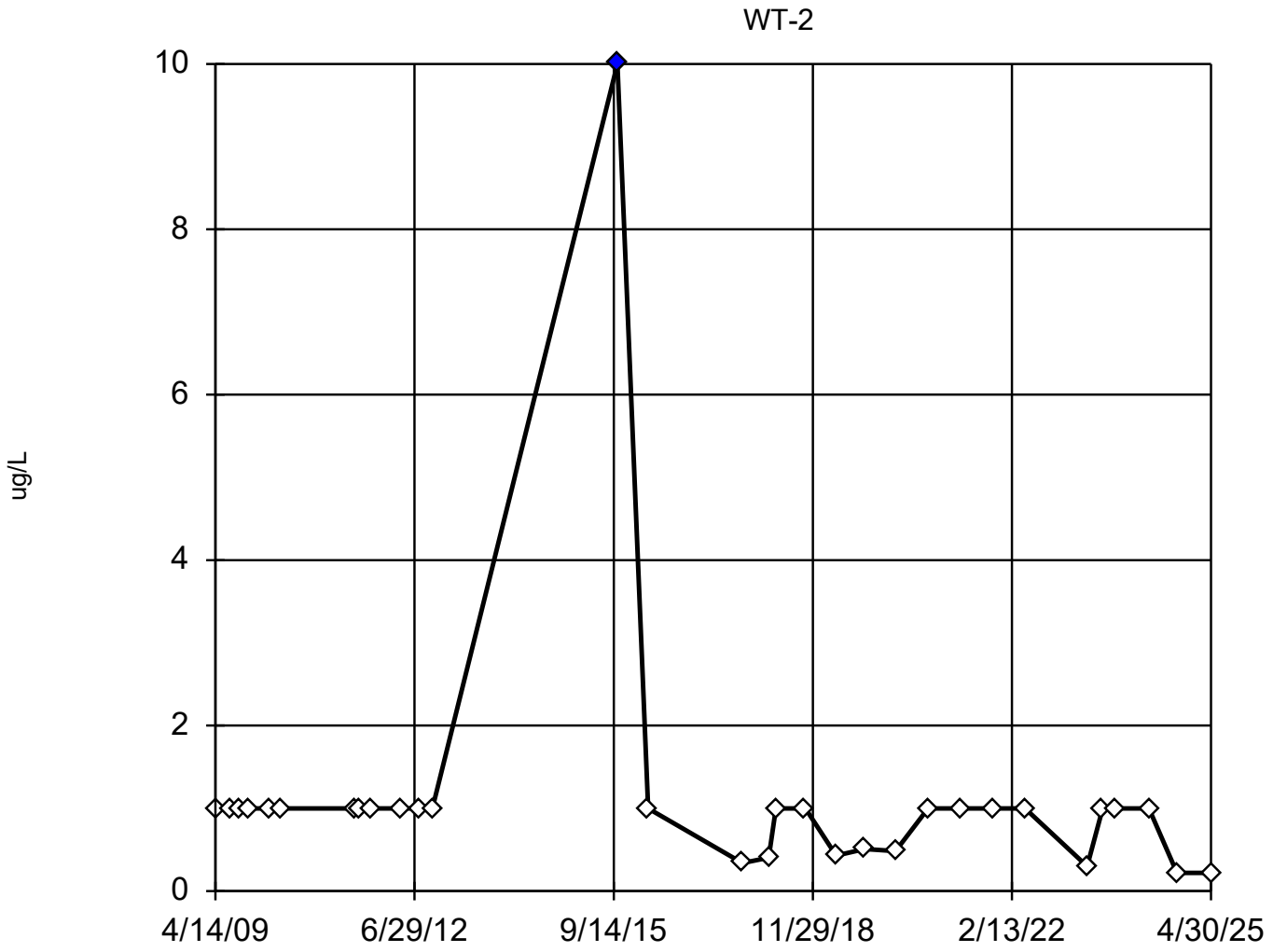
Tukey's Outlier Screening



n = 31

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 7.628, low cutoff = 0.0666, based on IQR multiplier of 3.

Constituent: 1,1-Dichloroethane Analysis Run 7/11/2025 1:05 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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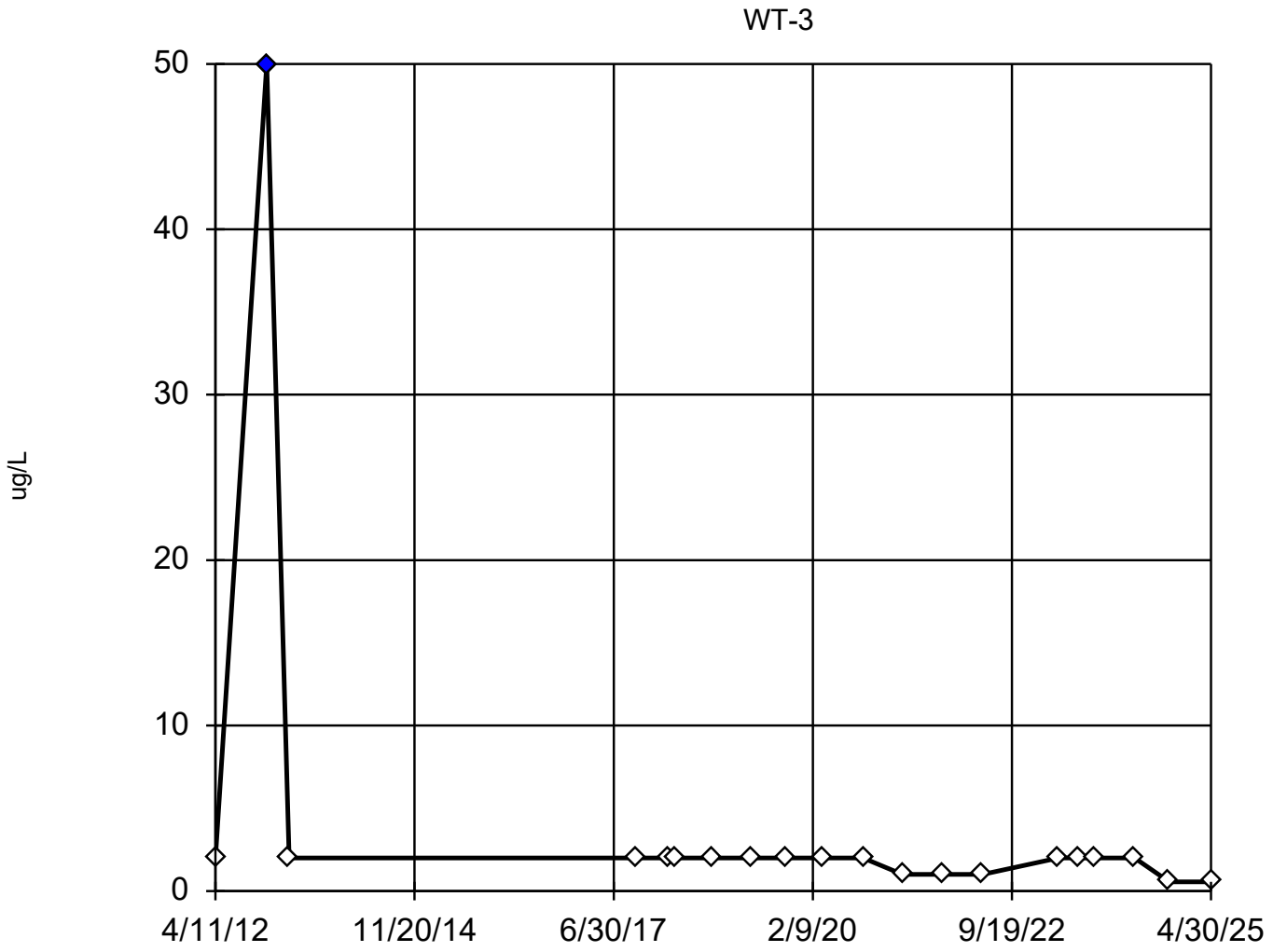
Tukey's Outlier Screening



n = 20

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 5.657, low cutoff = 0.5, based on IQR multiplier of 3.

Constituent: 1,1-Dichloroethene Analysis Run 7/11/2025 1:05 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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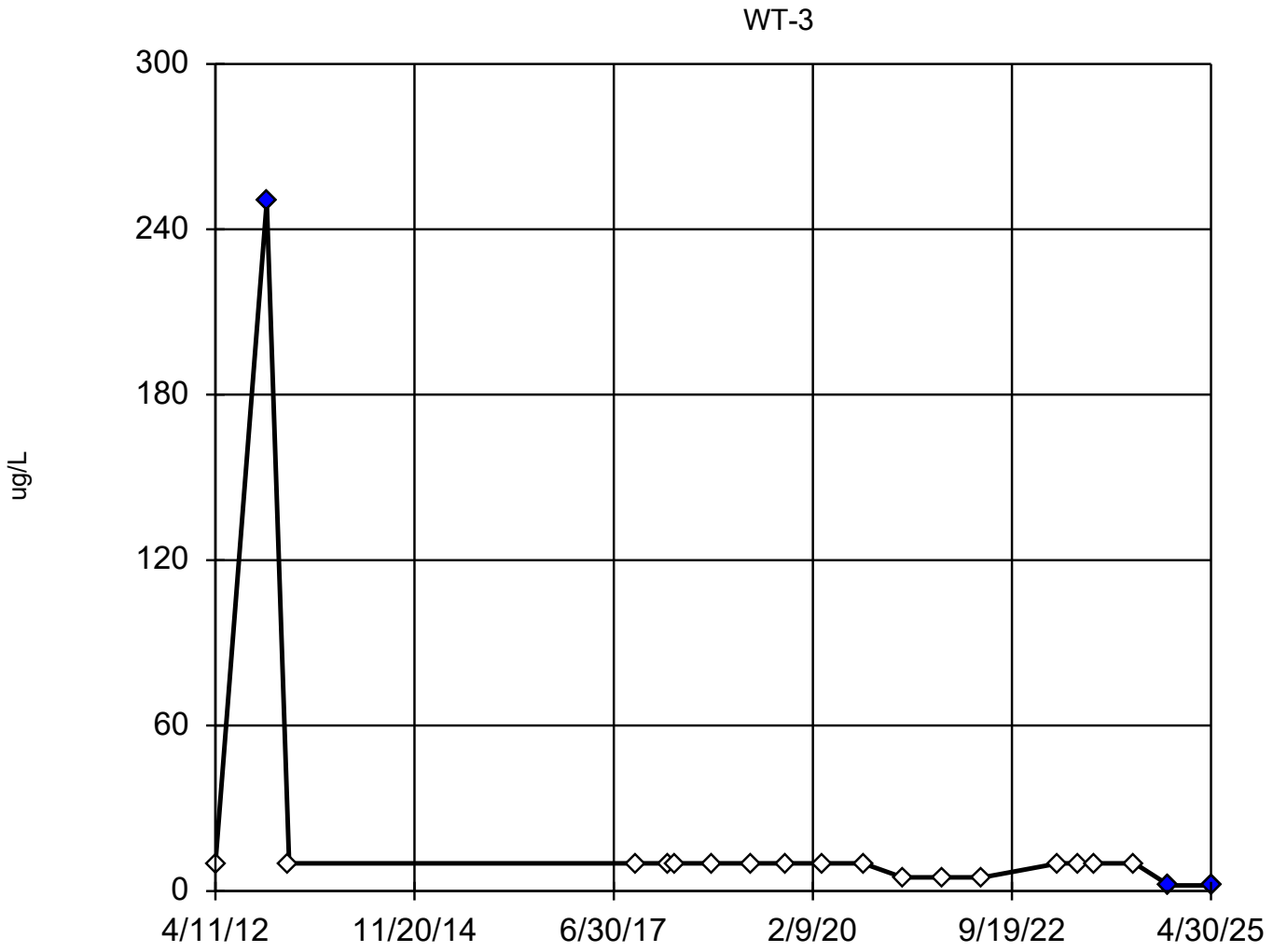
Tukey's Outlier Screening



n = 20

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 28.28, low cutoff = 2.5, based on IQR multiplier of 3.

Constituent: 2-Hexanone Analysis Run 7/11/2025 1:06 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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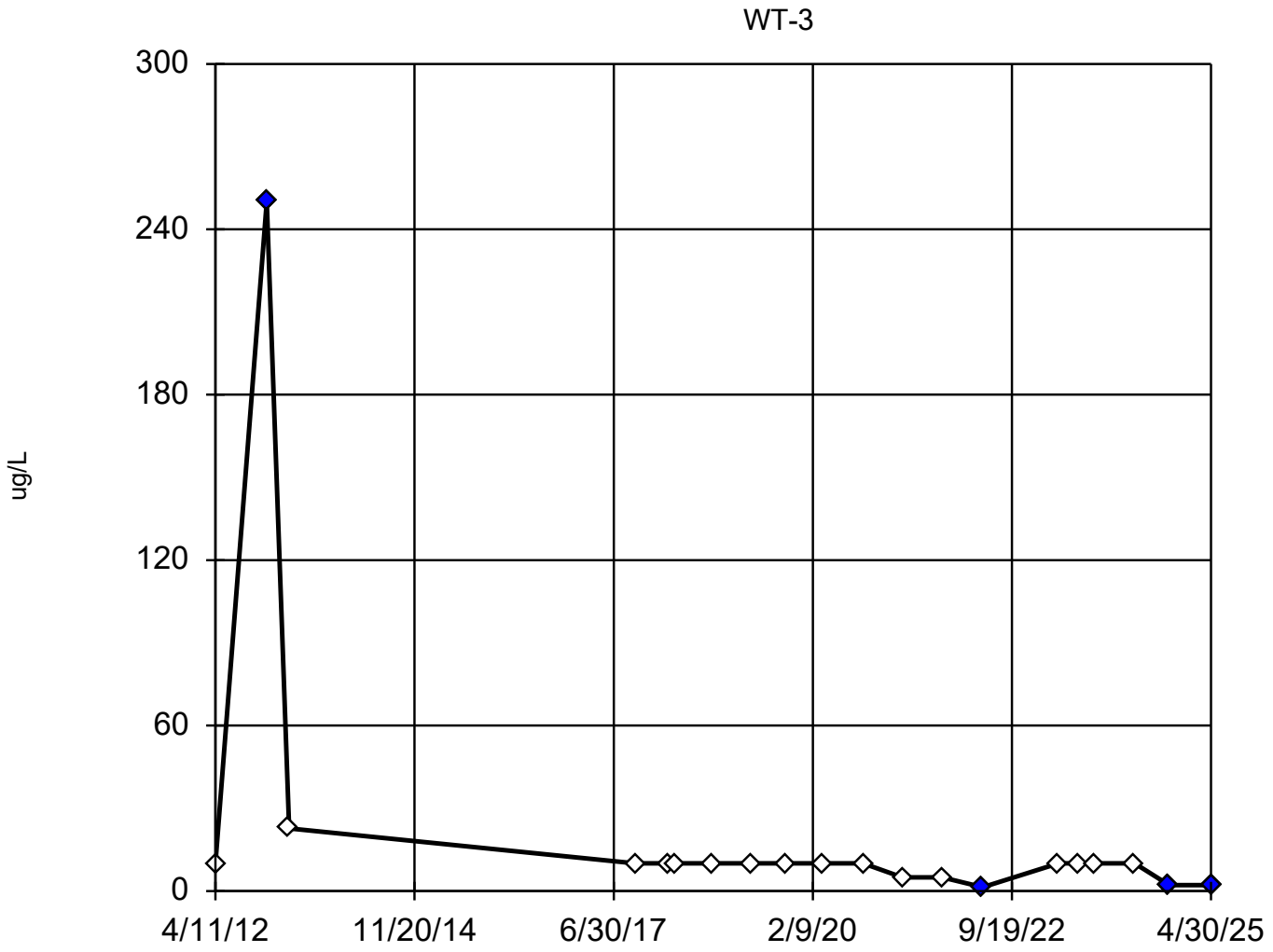
Tukey's Outlier Screening



n = 20

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 28.28, low cutoff = 2.5, based on IQR multiplier of 3.

Constituent: 4-Methyl-2-pentanone [MIBK] Analysis Run 7/11/2025 1:06 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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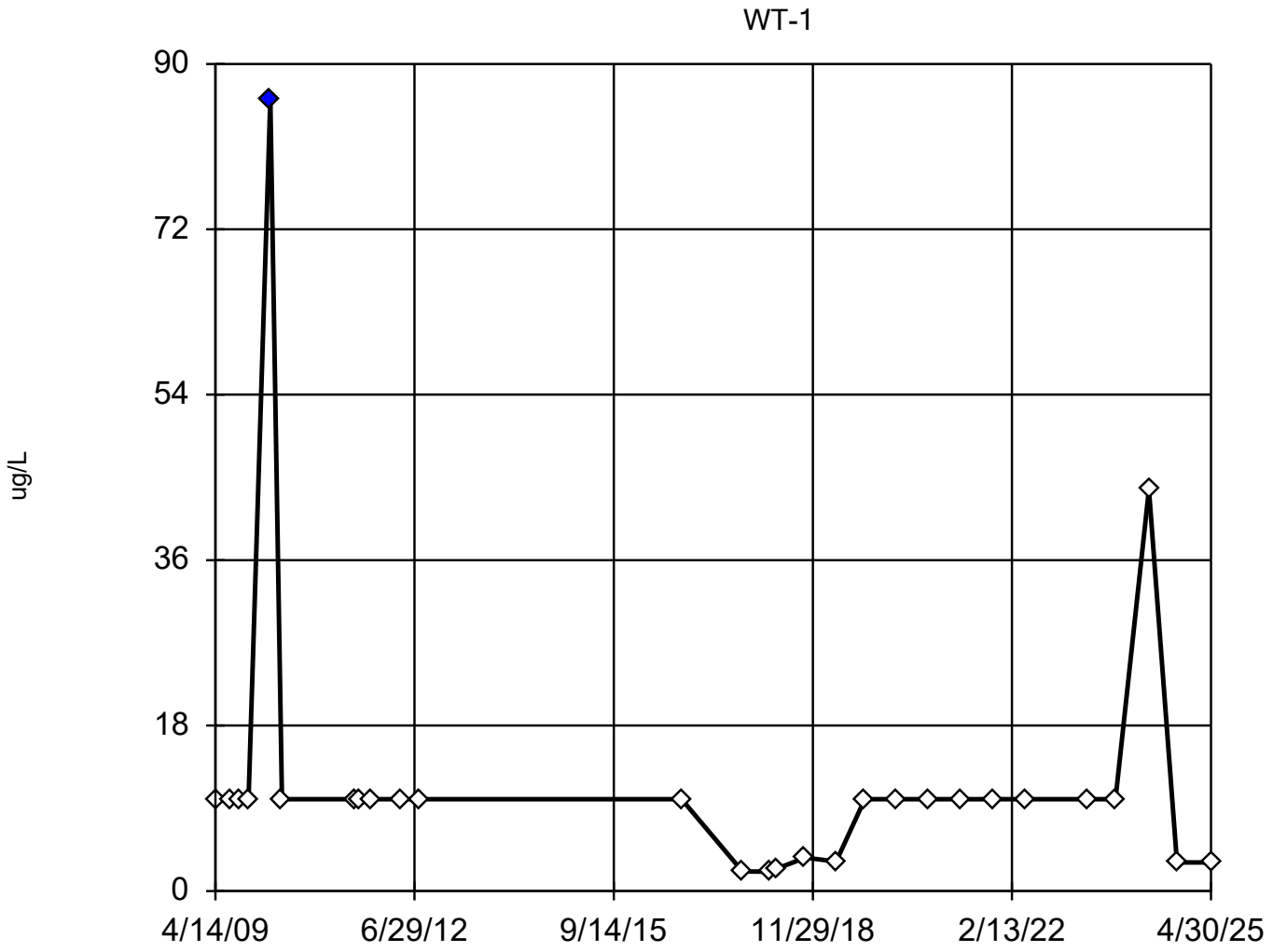
Tukey's Outlier Screening



n = 28

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 45.72, low cutoff = 1.318, based on IQR multiplier of 3.

Constituent: Acetone Analysis Run 7/11/2025 1:06 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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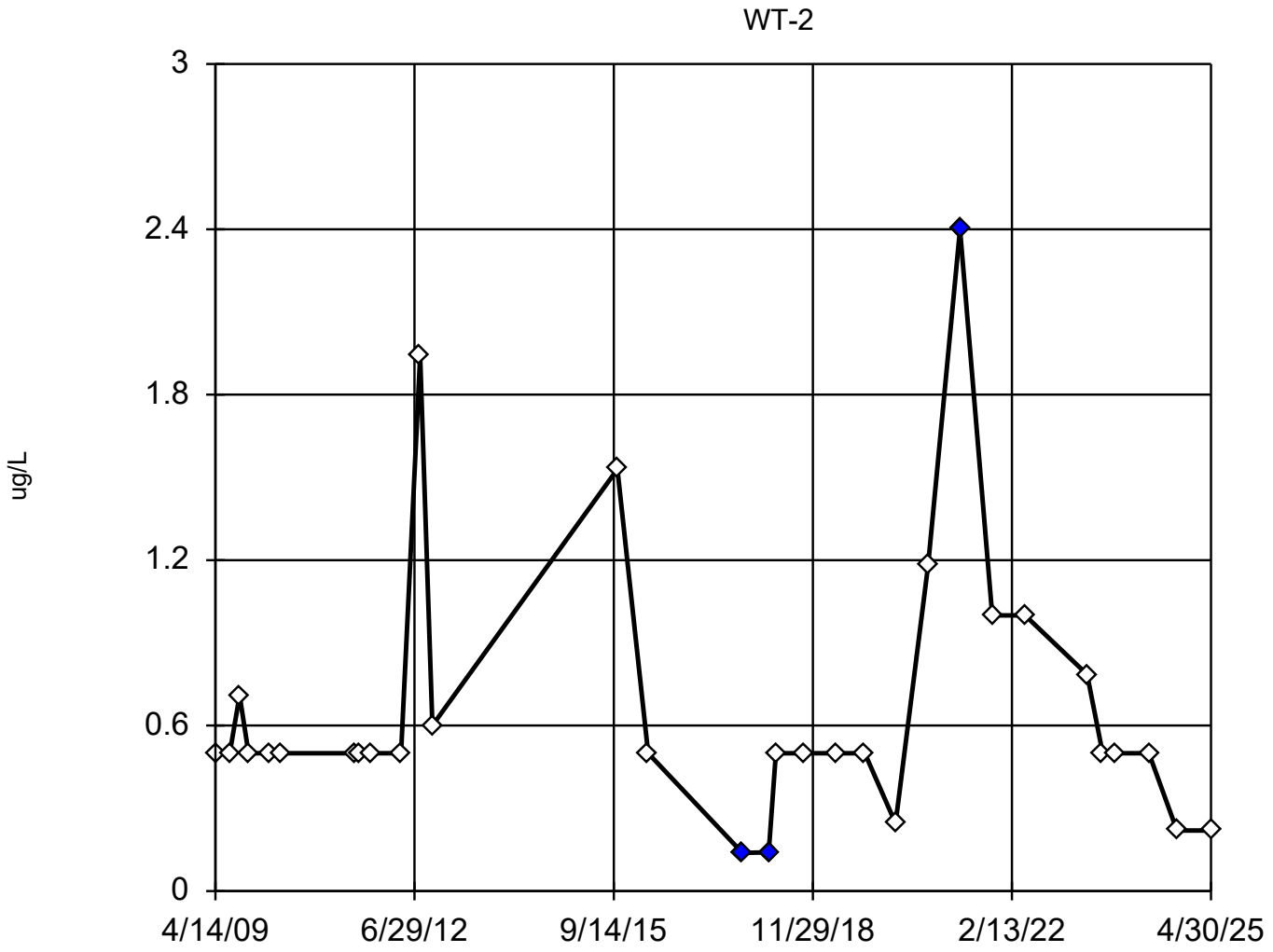
Tukey's Outlier Screening



n = 31

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 2.033, low cutoff = 0.1746, based on IQR multiplier of 3.

Constituent: Benzene Analysis Run 7/11/2025 1:06 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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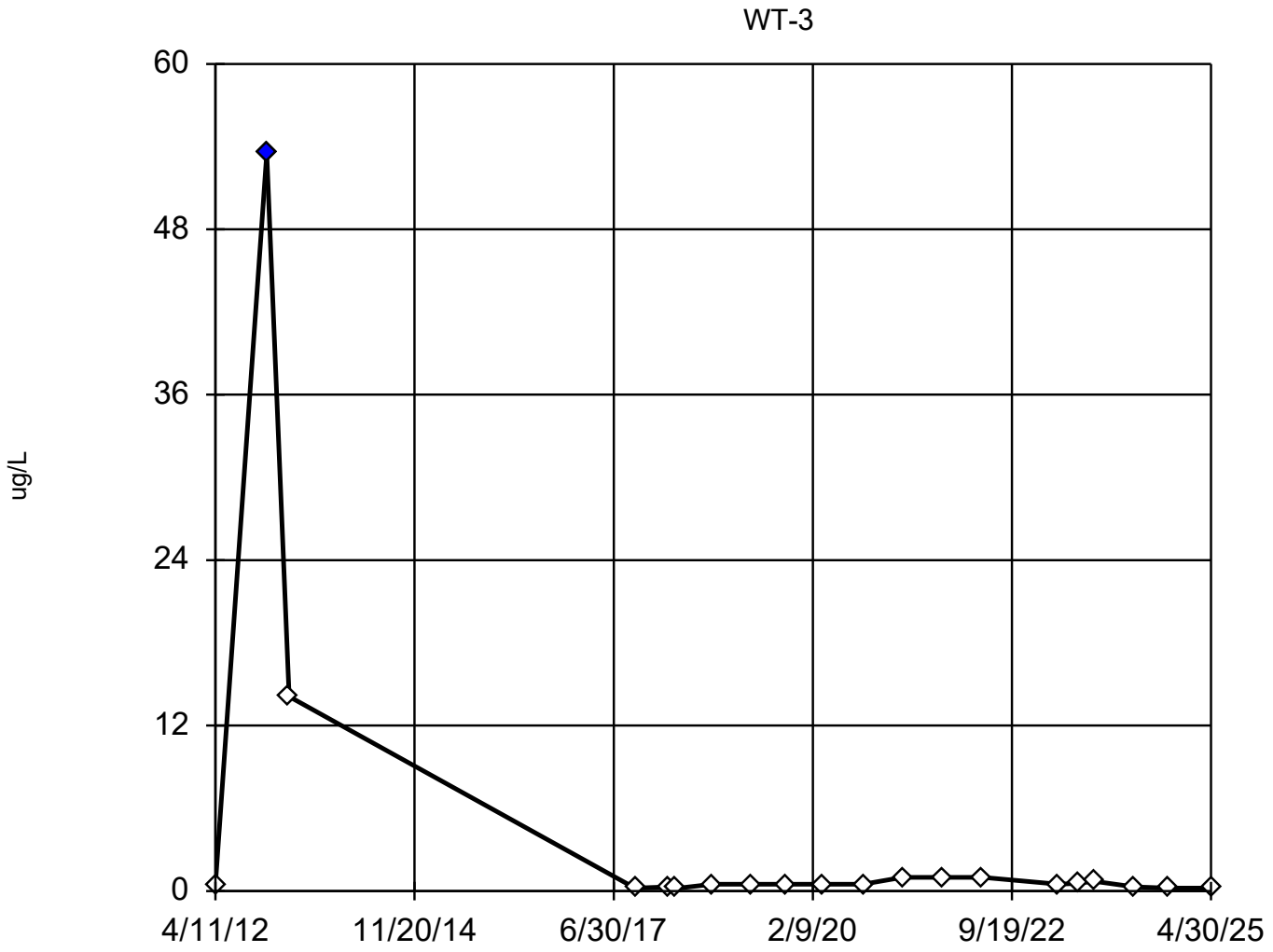
Tukey's Outlier Screening



n = 20

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 17.94, low cutoff = 0.01407, based on IQR multiplier of 3.

Constituent: Benzene Analysis Run 7/11/2025 1:06 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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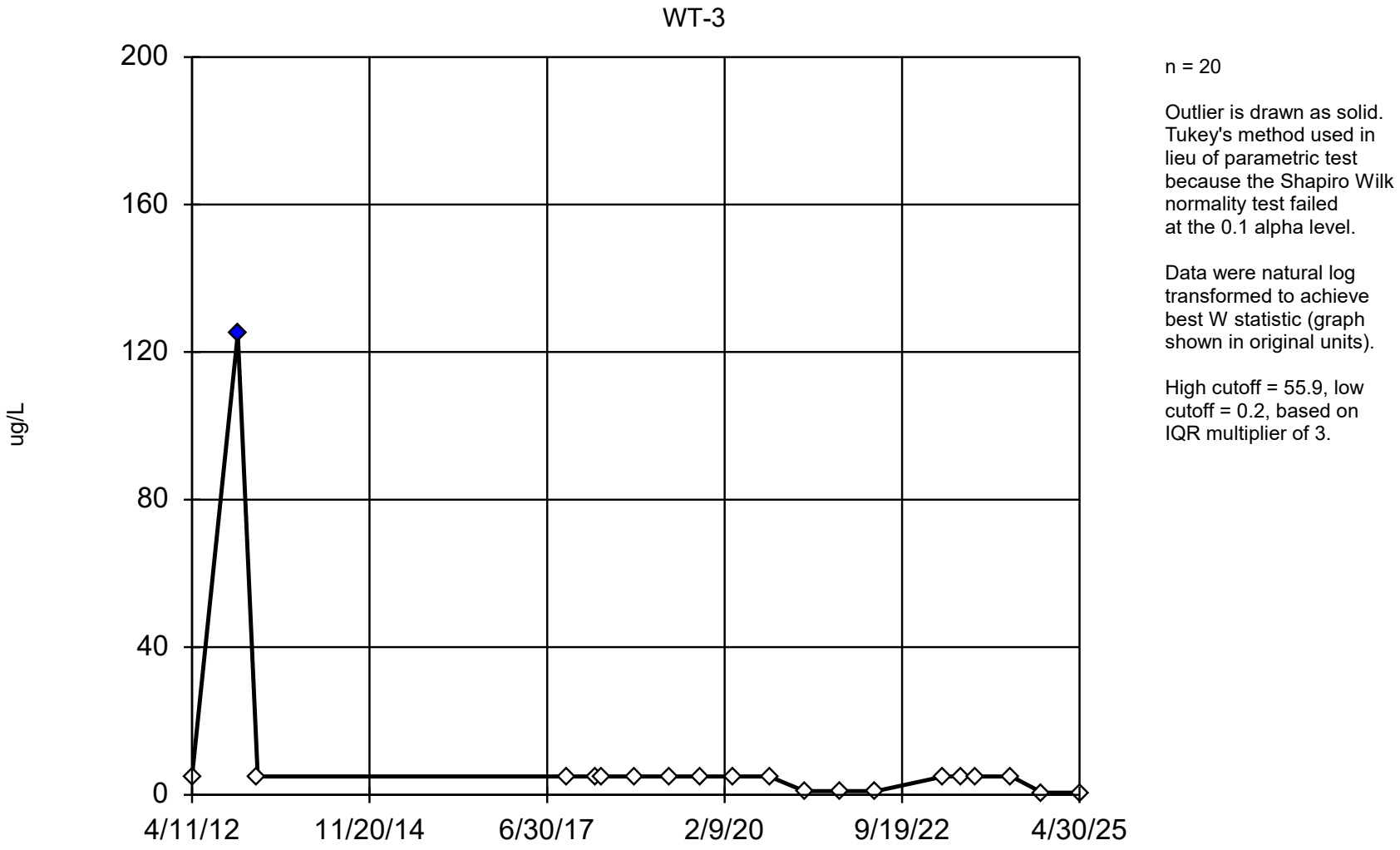
Tukey's Outlier Screening



n = 20

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 55.9, low cutoff = 0.2, based on IQR multiplier of 3.

Constituent: Bromochloromethane Analysis Run 7/11/2025 1:06 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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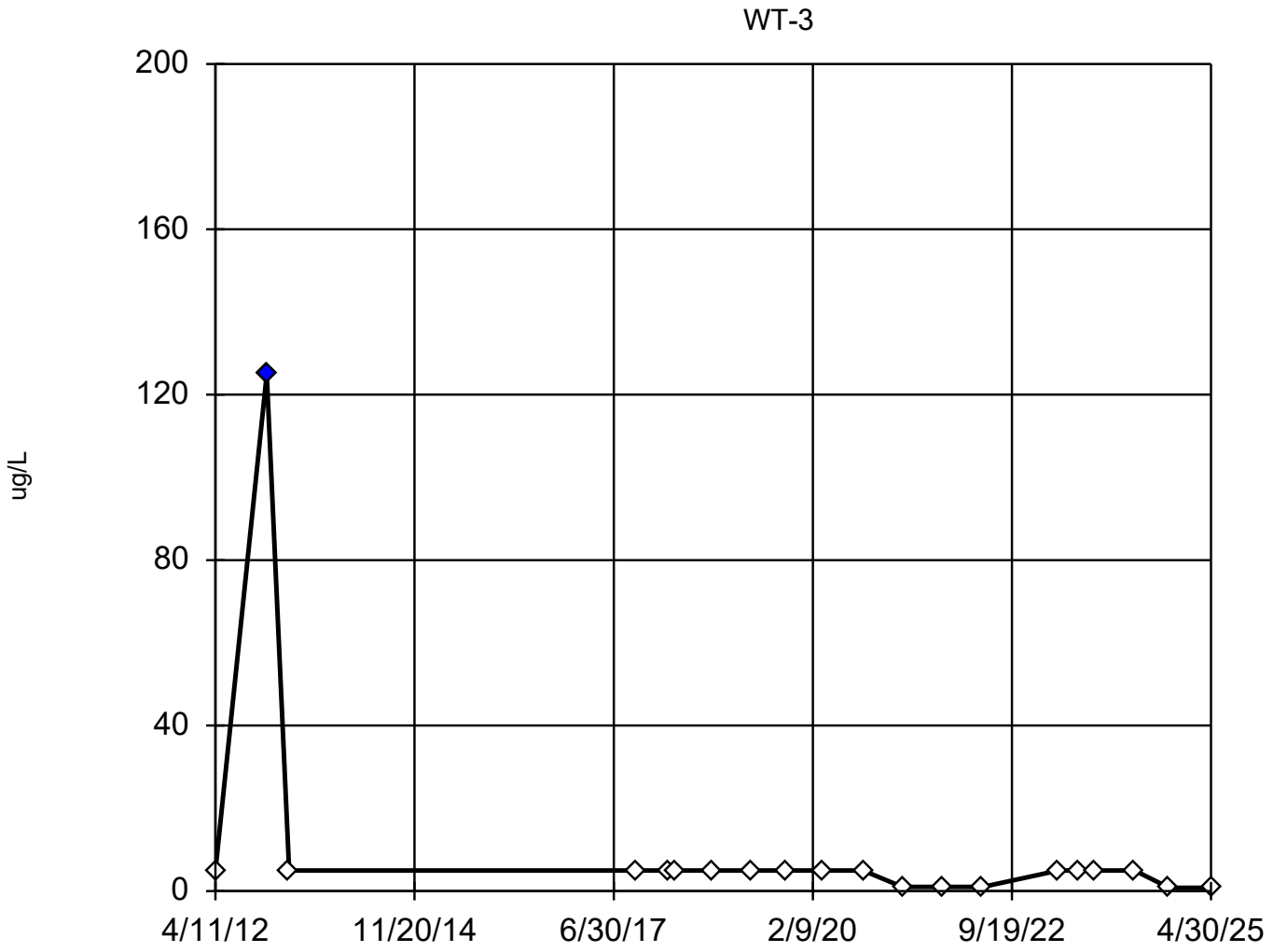
Tukey's Outlier Screening



n = 20

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 55.9, low cutoff = 0.2, based on IQR multiplier of 3.

Constituent: Bromoform Analysis Run 7/11/2025 1:06 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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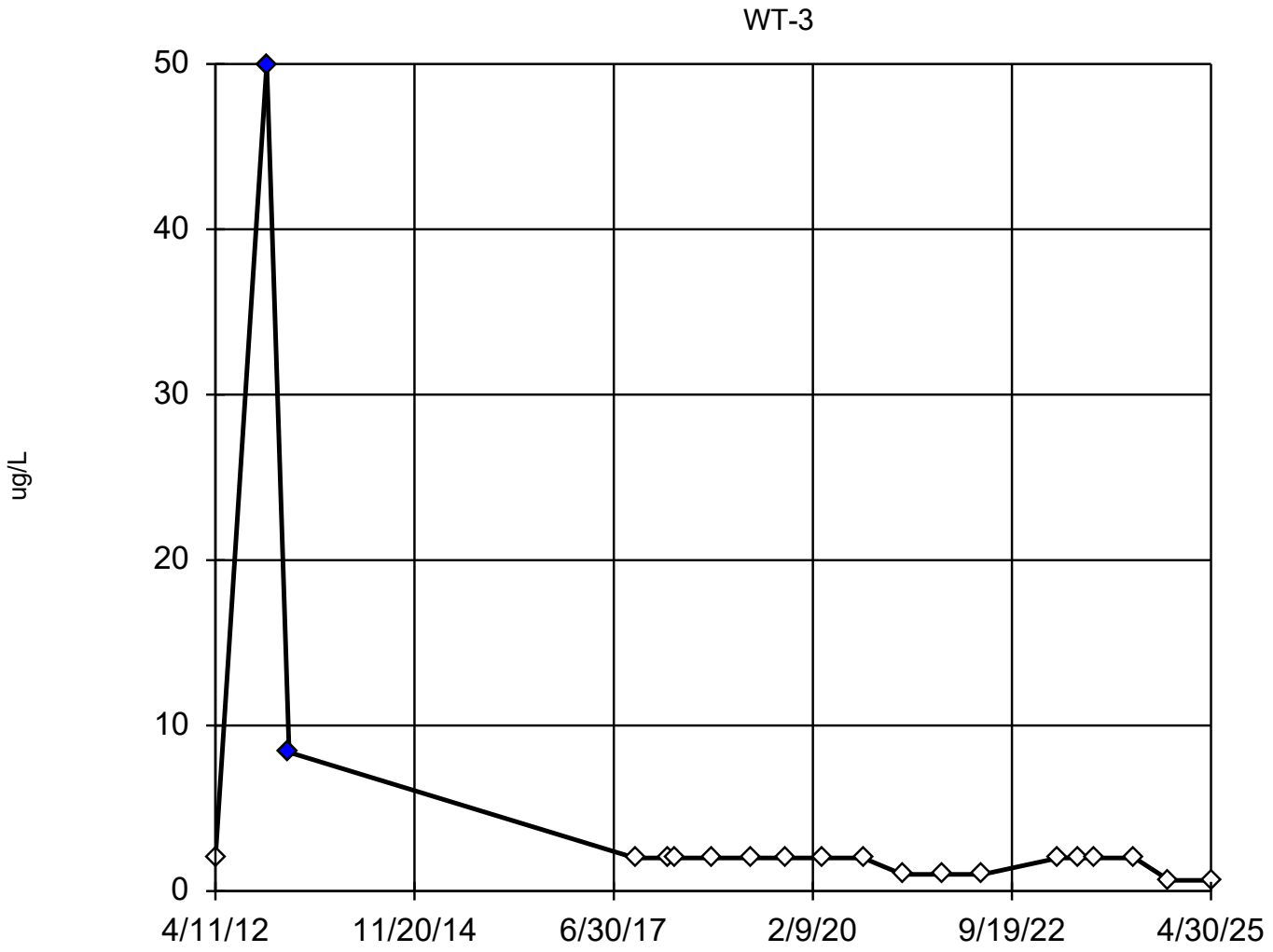
Tukey's Outlier Screening



n = 20

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 5.657, low cutoff = 0.5, based on IQR multiplier of 3.

Constituent: Carbon Tetrachloride Analysis Run 7/11/2025 1:07 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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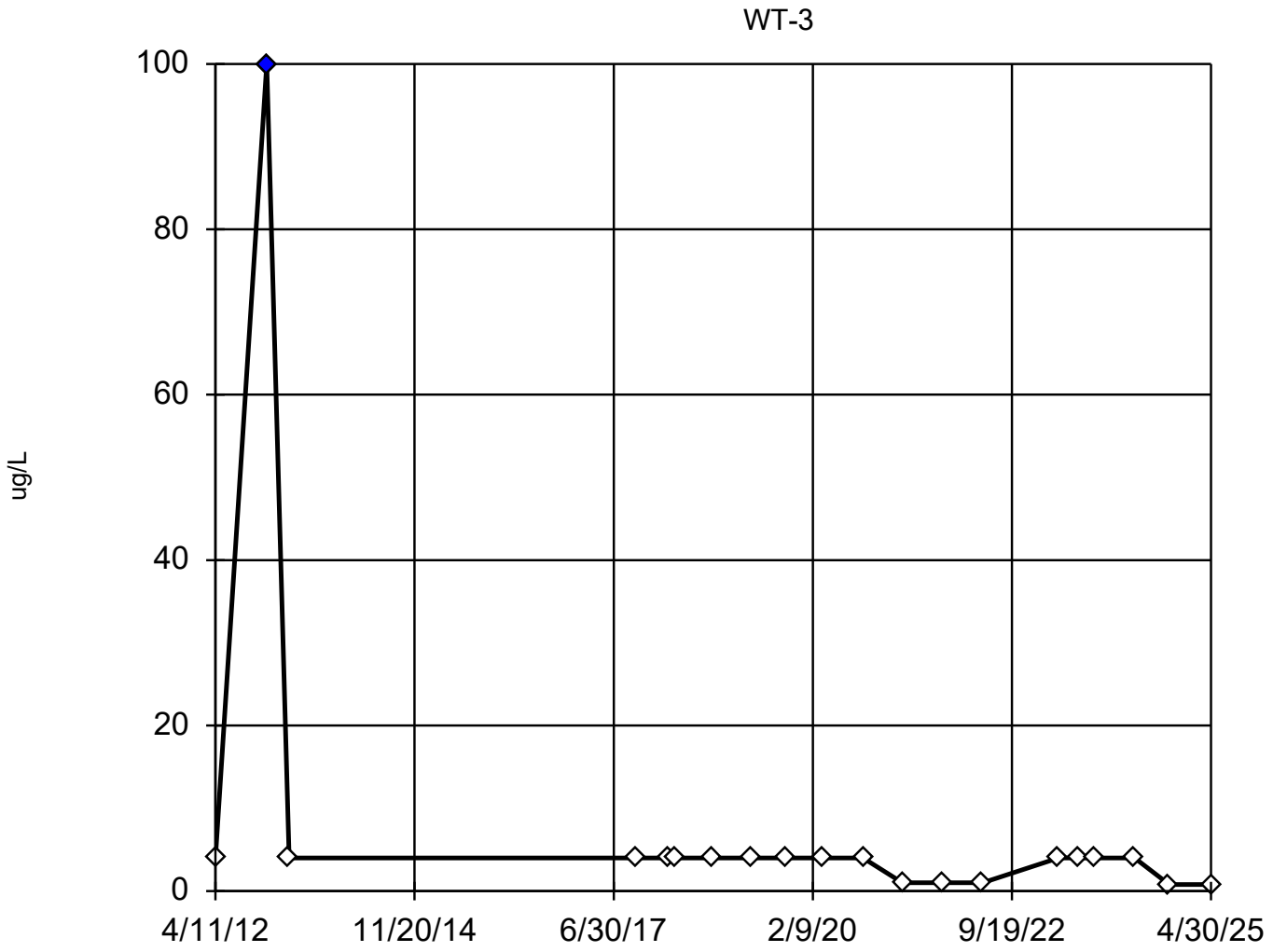
Tukey's Outlier Screening



n = 20

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 32, low cutoff = 0.25, based on IQR multiplier of 3.

Constituent: Chloroethane Analysis Run 7/11/2025 1:07 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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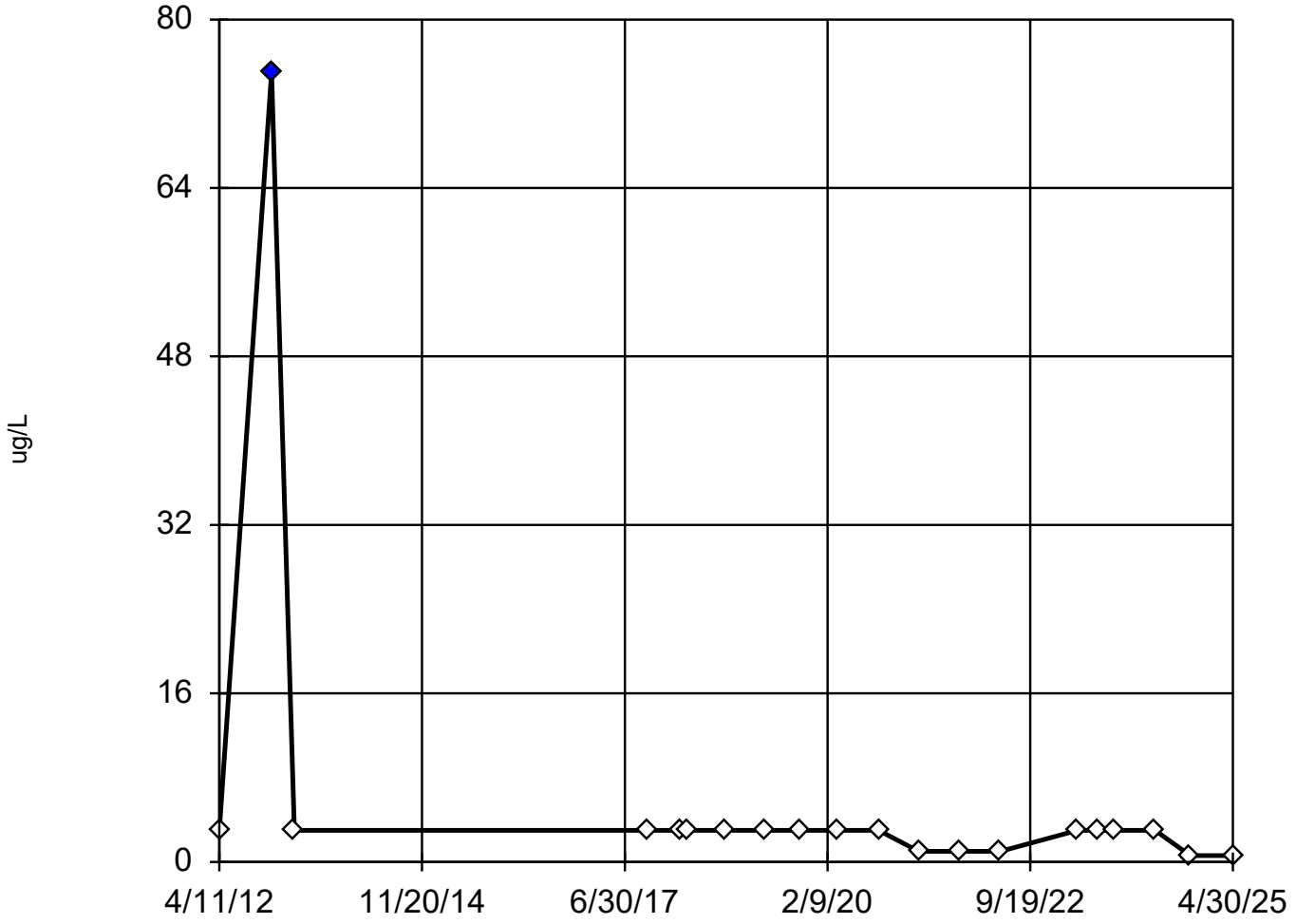
Tukey's Outlier Screening

WT-3



n = 20

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 15.59, low cutoff = 0.3333, based on IQR multiplier of 3.

Constituent: Chloromethane Analysis Run 7/11/2025 1:07 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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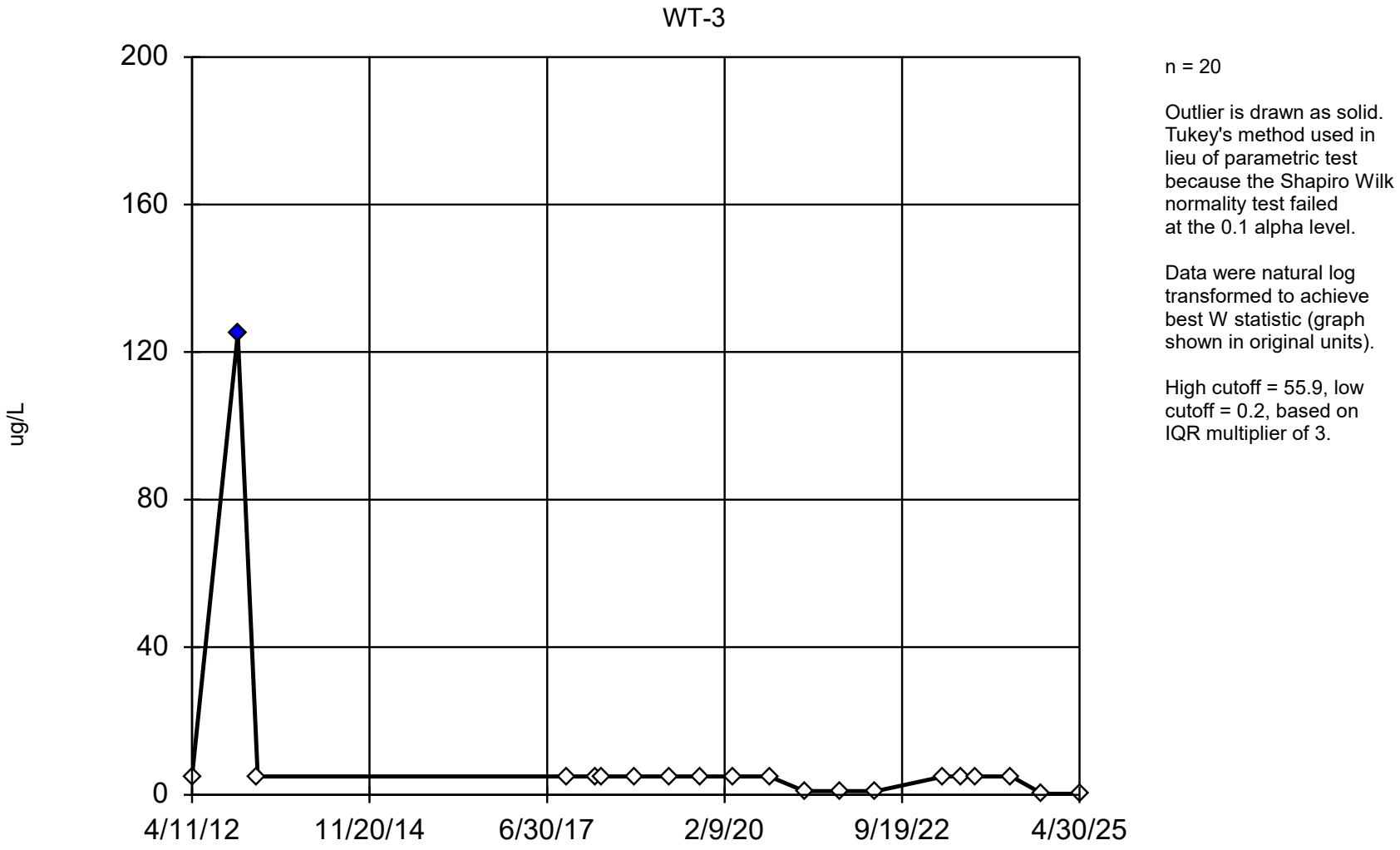
Tukey's Outlier Screening



n = 20

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 55.9, low cutoff = 0.2, based on IQR multiplier of 3.

Constituent: cis-1,3-Dichloropropene Analysis Run 7/11/2025 1:07 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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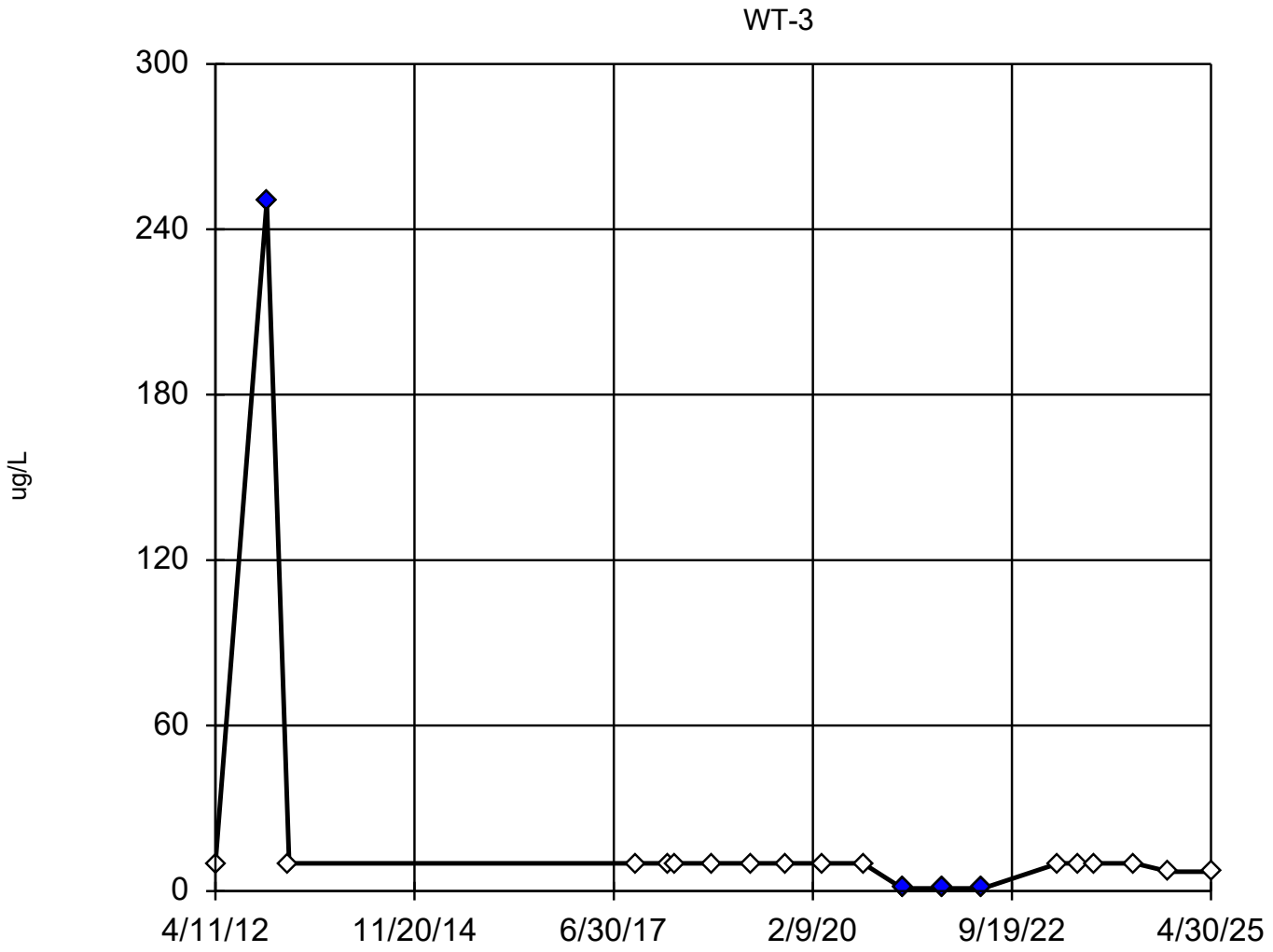
Tukey's Outlier Screening



n = 20

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 17.07, low cutoff = 4.9, based on IQR multiplier of 3.

Constituent: Iodomethane Analysis Run 7/11/2025 1:07 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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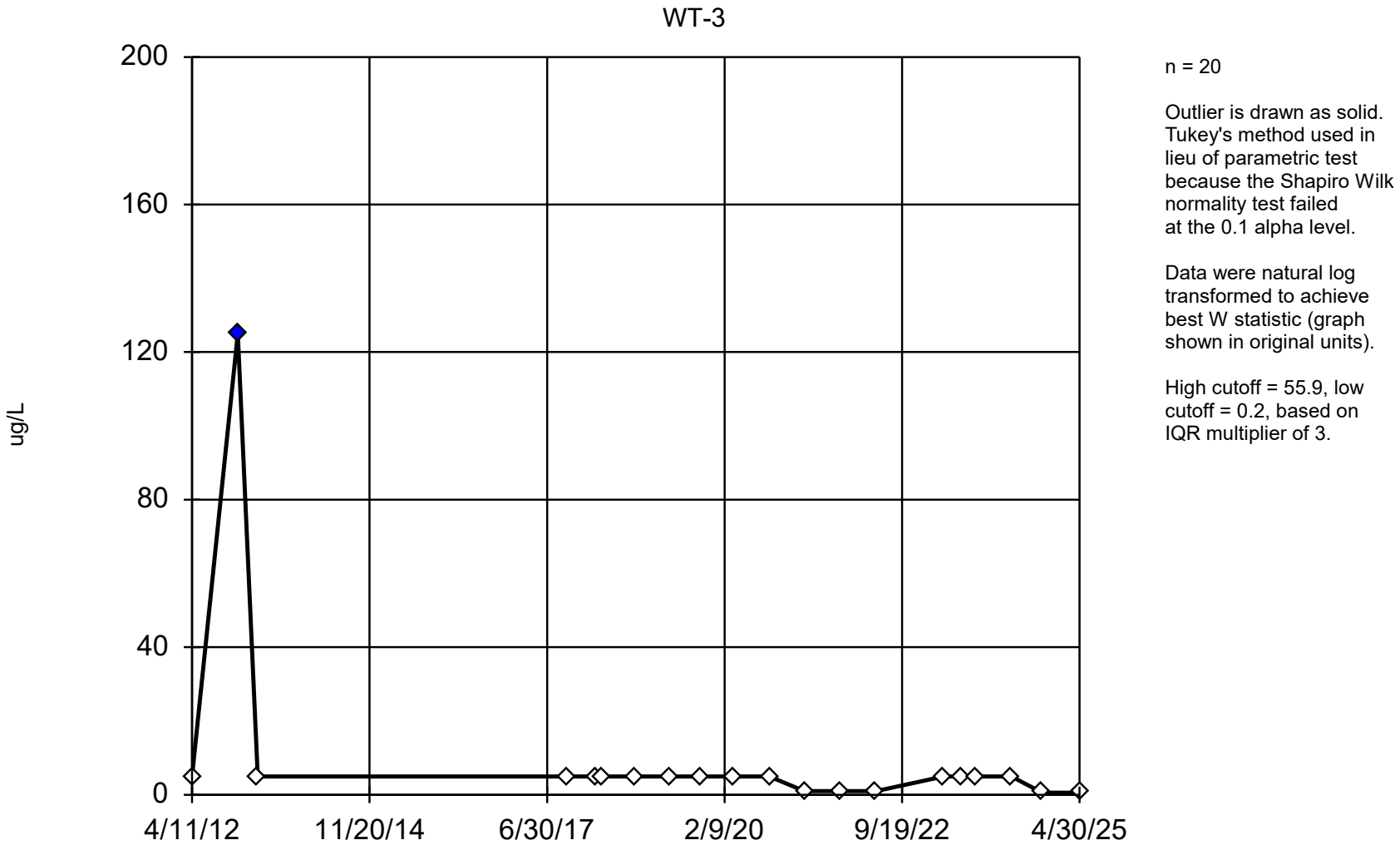
Tukey's Outlier Screening



n = 20

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 55.9, low cutoff = 0.2, based on IQR multiplier of 3.

Constituent: trans-1,3-Dichloropropene Analysis Run 7/11/2025 1:08 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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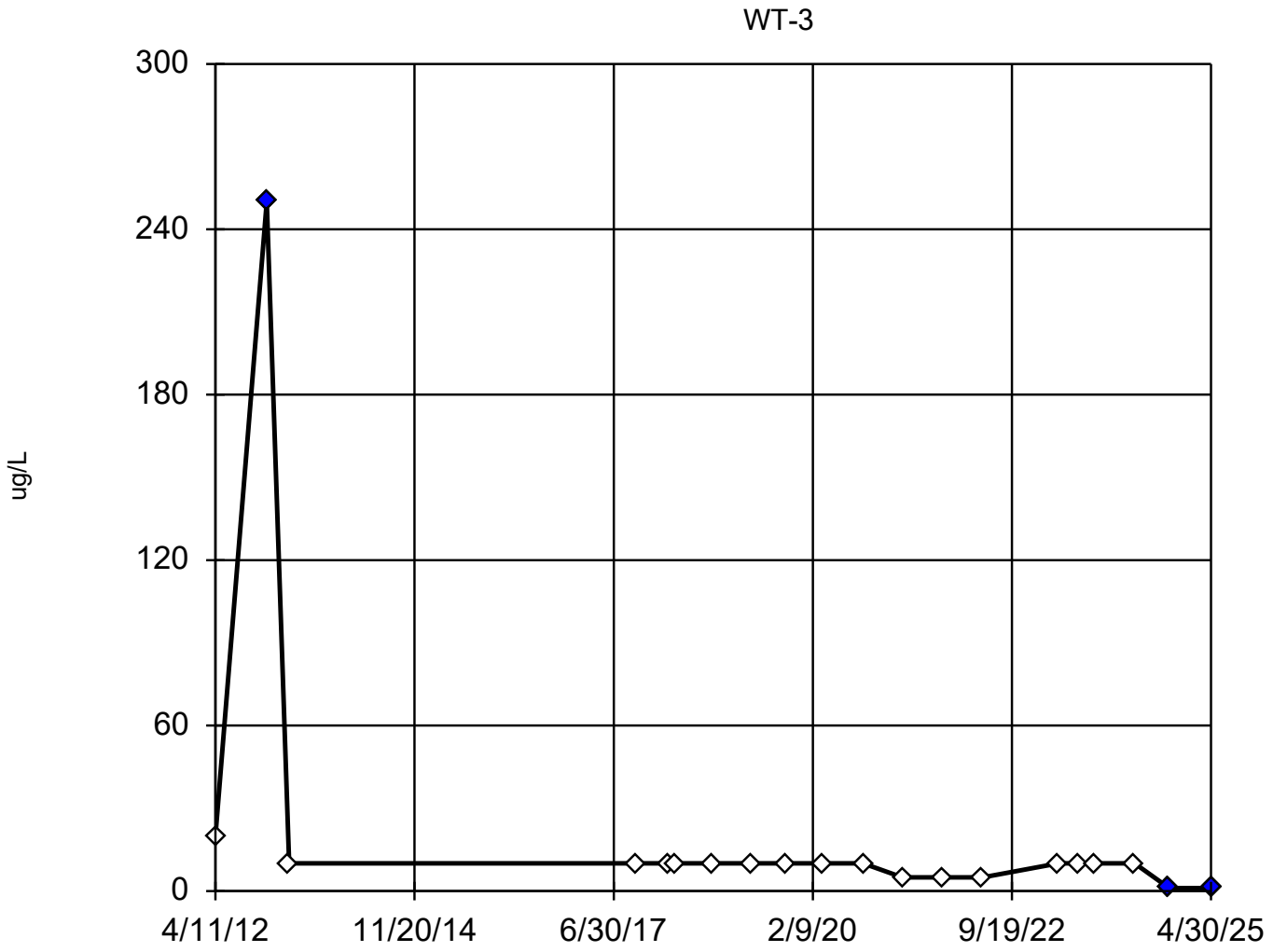
Tukey's Outlier Screening



n = 20

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 28.28, low cutoff = 2.5, based on IQR multiplier of 3.

Constituent: trans-1,4-Dichloro-2-Butene Analysis Run 7/11/2025 1:08 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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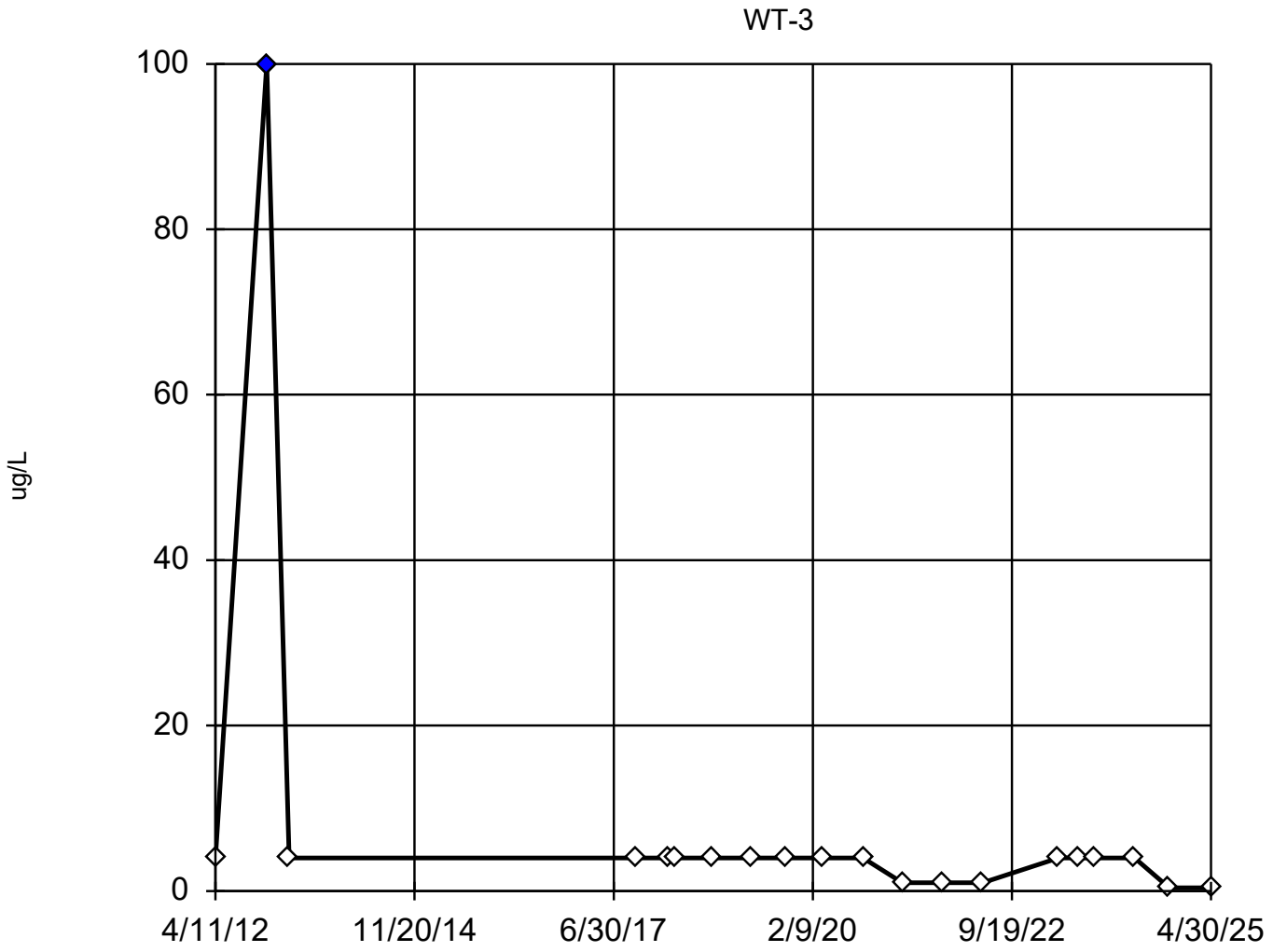
Tukey's Outlier Screening



n = 20

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 32, low cutoff = 0.25, based on IQR multiplier of 3.

Constituent: Trichlorofluoromethane Analysis Run 7/11/2025 1:08 PM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/11/2025, 1:10 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
1,1,1,2-Tetrachloroethane (ug/L)	ST-1	No	n/a	n/a	EPA 1989	0.05	5	2	1.225	normal	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	1.134	0.6459	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.412	1.708	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.138	5.385	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9347	0.1955	unknown	ShapiroWilk
1,1,1,2-Tetrachloroethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7675	0.3209	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1.6	1.342	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	1.049	0.616	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.335	1.711	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.119	5.391	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9147	0.2554	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.6962	0.4192	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/L)	ST-1	n/a	n/a	n/a	NP (nrm)	NaN	5	1.4	0.5477	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	1.034	0.3061	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.321	1.637	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.147	5.381	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9442	0.1671	unknown	ShapiroWilk
1,1,2,2-Tetrachloroethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.8012	0.2743	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1.2	0.4472	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9964	0.2438	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.271	1.639	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.145	5.382	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9421	0.1734	unknown	ShapiroWilk
1,1,2-Trichloroethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7937	0.2847	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1	0	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9443	0.2046	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	**WT-2**	**Yes**	**10**	**10/5/2015**	**NP (nrm)**	**NaN**	**31**	**1.126**	**1.672**	**unknown**	**ShapiroWilk**
1,1-Dichloroethane (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.122	5.39	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9179	0.2459	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7075	0.4037	unknown	ShapiroWilk
1,1-Dichloroethene (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	2	0	unknown	ShapiroWilk
1,1-Dichloroethene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	1.79	0.468	unknown	ShapiroWilk
1,1-Dichloroethene (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	2.391	3.299	unknown	ShapiroWilk
1,1-Dichloroethene (ug/L)	**WT-3**	**Yes**	**50**	**12/13/2012**	**NP (nrm)**	**NaN**	**20**	**4.106**	**10.82**	**unknown**	**ShapiroWilk**
1,1-Dichloroethene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	1.691	0.544	unknown	ShapiroWilk
1,1-Dichloroethene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	1.46	0.7453	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/L)	ST-1	n/a	n/a	n/a	NP (nrm)	NaN	5	1.4	0.5477	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	1.078	0.3425	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.361	1.636	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.159	5.378	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9568	0.1293	unknown	ShapiroWilk
1,2,3-Trichloropropane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.8462	0.2122	unknown	ShapiroWilk
1,2-Dibromo-3-Chloropropane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	10	0	unknown	ShapiroWilk
1,2-Dibromo-3-Chloropropane (ug/L)	WT-1	No	n/a	n/a	NP (nrm)	NaN	28	4.431	4.577	unknown	ShapiroWilk
1,2-Dibromo-3-Chloropropane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	4.525	4.499	unknown	ShapiroWilk
1,2-Dibromo-3-Chloropropane (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	14.24	55.57	unknown	ShapiroWilk
1,2-Dibromo-3-Chloropropane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	1.329	2.151	unknown	ShapiroWilk
1,2-Dibromo-3-Chloropropane (ug/L)	WT-OF	No	n/a	n/a	NP (nrm)	NaN	8	1.2	0	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	10	0	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/L)	WT-1	No	n/a	n/a	NP (nrm)	NaN	28	4.071	4.858	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/11/2025, 1:10 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
1,2-Dibromoethane [EDB] (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	4.052	4.81	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	13.71	55.7	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.7537	2.243	unknown	ShapiroWilk
1,2-Dibromoethane [EDB] (ug/L)	WT-OF	No	n/a	n/a	NP (nrm)	NaN	8	0.34	0	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1.2	0.4472	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9907	0.2576	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.282	1.636	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.137	5.385	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9337	0.1986	unknown	ShapiroWilk
1,2-Dichlorobenzene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7638	0.3261	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1.2	0.4472	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9921	0.254	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.283	1.636	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.139	5.384	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9358	0.1923	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7712	0.3157	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1	0	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9479	0.1915	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.243	1.635	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.127	5.388	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9232	0.2302	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7263	0.3778	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1.2	0.4472	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9807	0.2838	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.273	1.642	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.123	5.39	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9189	0.2428	unknown	ShapiroWilk
1,4-Dichlorobenzene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7113	0.3985	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	10	0	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	9.889	5.054	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	12.08	16.47	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	20.71	54.04	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	8.642	2.787	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	6.911	3.999	unknown	ShapiroWilk
2-Hexanone (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	12	4.472	unknown	ShapiroWilk
2-Hexanone (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	9.25	3.262	unknown	ShapiroWilk
2-Hexanone (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	12.23	16.58	unknown	ShapiroWilk
2-Hexanone (ug/L)	**WT-3**	**Yes**	**250,2,2**	**12/13/2012,10/11/2024,...**	**NP (nrm)**	**NaN**	**20**	**20.45**	**54.1**	**unknown**	**ShapiroWilk**
2-Hexanone (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	8.368	2.91	unknown	ShapiroWilk
2-Hexanone (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	7	4.14	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	10	0	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	8.557	2.893	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	13.61	19.8	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	**WT-3**	**Yes**	**250,1.4,2.1,2.1**	**12/13/2012,5/2/2022,10...**	**NP (nrm)**	**NaN**	**20**	**20.91**	**54.11**	**unknown**	**ShapiroWilk**
4-Methyl-2-pentanone [MIBK] (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	8.174	3.255	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	7.037	4.089	unknown	ShapiroWilk
Acetone (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	10	0	unknown	ShapiroWilk
Acetone (ug/L)	**WT-1**	**Yes**	**86.2**	**3/3/2010**	**NP (nrm)**	**NaN**	**28**	**12.13**	**16.31**	**unknown**	**ShapiroWilk**
Acetone (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	13.71	17.55	unknown	ShapiroWilk
Acetone (ug/L)	WT-3	No	n/a	n/a	NP (nrm)	NaN	20	19.59	54.33	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/11/2025, 1:10 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Acetone (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	8.583	2.863	unknown	ShapiroWilk
Acetone (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	9	8.1	3.926	unknown	ShapiroWilk
Acrylonitrile (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	10	0	unknown	ShapiroWilk
Acrylonitrile (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	6.943	2.789	unknown	ShapiroWilk
Acrylonitrile (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	9.981	16.93	unknown	ShapiroWilk
Acrylonitrile (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	17.47	54.76	unknown	ShapiroWilk
Acrylonitrile (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	4.968	1.503	unknown	ShapiroWilk
Acrylonitrile (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	3.95	1.449	unknown	ShapiroWilk
Benzene (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	0.5	0	unknown	ShapiroWilk
Benzene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.529	0.1901	unknown	ShapiroWilk
Benzene (ug/L)	**WT-2**	**Yes**	**0.138,0.141,2.4**	**10/11/2017,3/15/2018,4...**	**NP (nrm)**	**NaN**	**31**	**0.6648**	**0.4994**	**unknown**	**ShapiroWilk**
Benzene (ug/L)	**WT-3**	**Yes**	**53.5**	**12/13/2012**	**NP (nrm)**	**NaN**	**20**	**3.84**	**12.08**	**unknown**	**ShapiroWilk**
Benzene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.5307	0.2376	unknown	ShapiroWilk
Benzene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.395	0.1449	unknown	ShapiroWilk
Bromochloromethane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	5	0	unknown	ShapiroWilk
Bromochloromethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	4.253	1.635	unknown	ShapiroWilk
Bromochloromethane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	5.777	8.355	unknown	ShapiroWilk
Bromochloromethane (ug/L)	**WT-3**	**Yes**	**125**	**12/13/2012**	**NP (nrm)**	**NaN**	**20**	**9.954**	**27.14**	**unknown**	**ShapiroWilk**
Bromochloromethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	3.899	1.897	unknown	ShapiroWilk
Bromochloromethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	3.328	2.308	unknown	ShapiroWilk
Bromodichloromethane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1.8	1.304	unknown	ShapiroWilk
Bromodichloromethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	1.099	0.6227	unknown	ShapiroWilk
Bromodichloromethane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.38	1.706	unknown	ShapiroWilk
Bromodichloromethane (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.187	5.378	unknown	ShapiroWilk
Bromodichloromethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9895	0.3147	unknown	ShapiroWilk
Bromodichloromethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7712	0.3157	unknown	ShapiroWilk
Bromoform (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	9	6.519	unknown	ShapiroWilk
Bromoform (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	4.984	3.515	unknown	ShapiroWilk
Bromoform (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	6.437	8.746	unknown	ShapiroWilk
Bromoform (ug/L)	**WT-3**	**Yes**	**125**	**12/13/2012**	**NP (nrm)**	**NaN**	**20**	**9.978**	**27.13**	**unknown**	**ShapiroWilk**
Bromoform (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	3.924	1.85	unknown	ShapiroWilk
Bromoform (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	3.417	2.184	unknown	ShapiroWilk
Bromomethane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	4	0	unknown	ShapiroWilk
Bromomethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	4.043	3.332	unknown	ShapiroWilk
Bromomethane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	5.082	7.241	unknown	ShapiroWilk
Bromomethane (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	7.875	21.73	unknown	ShapiroWilk
Bromomethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	3.026	1.482	unknown	ShapiroWilk
Bromomethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	2.913	1.501	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	2.4	1.949	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	1.211	0.9499	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.481	1.821	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.406	5.45	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9421	0.1734	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7937	0.2847	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	2.4	0.8944	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	1.868	0.6133	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	2.461	3.307	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	**WT-3**	**Yes**	**50,8.39**	**12/13/2012,3/30/2013**	**NP (nrm)**	**NaN**	**20**	**4.434**	**10.84**	**unknown**	**ShapiroWilk**
Carbon Tetrachloride (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	1.7	0.5236	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	1.494	0.6987	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/11/2025, 1:10 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Chlorobenzene (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1.2	0.4472	unknown	ShapiroWilk
Chlorobenzene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9929	0.2523	unknown	ShapiroWilk
Chlorobenzene (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.284	1.635	unknown	ShapiroWilk
Chlorobenzene (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.14	5.384	unknown	ShapiroWilk
Chlorobenzene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9368	0.1892	unknown	ShapiroWilk
Chlorobenzene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.775	0.3105	unknown	ShapiroWilk
Chlorodibromomethane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	5	0	unknown	ShapiroWilk
Chlorodibromomethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	4.268	1.6	unknown	ShapiroWilk
Chlorodibromomethane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	5.79	8.346	unknown	ShapiroWilk
Chlorodibromomethane (ug/L)	WT-3	No	n/a	n/a	NP (nrm)	NaN	20	9.794	27.18	unknown	ShapiroWilk
Chlorodibromomethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	3.921	1.856	unknown	ShapiroWilk
Chlorodibromomethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	3.406	2.2	unknown	ShapiroWilk
Chloroethane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	4	0	unknown	ShapiroWilk
Chloroethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	3.449	1.204	unknown	ShapiroWilk
Chloroethane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	4.664	6.658	unknown	ShapiroWilk
Chloroethane (ug/L)	**WT-3**	**Yes**	**100**	**12/13/2012**	**NP (nrm)**	**NaN**	**20**	**8.029**	**21.69**	**unknown**	**ShapiroWilk**
Chloroethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	3.188	1.396	unknown	ShapiroWilk
Chloroethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	2.796	1.661	unknown	ShapiroWilk
Chloroform (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1.2	0.4472	unknown	ShapiroWilk
Chloroform (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	1.629	0.9051	unknown	ShapiroWilk
Chloroform (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.806	1.238	unknown	ShapiroWilk
Chloroform (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	3.317	5.301	unknown	ShapiroWilk
Chloroform (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	2.251	1.73	unknown	ShapiroWilk
Chloroform (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	2.362	0.8798	unknown	ShapiroWilk
Chloromethane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	3	0	unknown	ShapiroWilk
Chloromethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	2.615	0.8449	unknown	ShapiroWilk
Chloromethane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	3.448	5.005	unknown	ShapiroWilk
Chloromethane (ug/L)	**WT-3**	**Yes**	**75**	**12/13/2012**	**NP (nrm)**	**NaN**	**20**	**6.061**	**16.25**	**unknown**	**ShapiroWilk**
Chloromethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	2.433	0.9806	unknown	ShapiroWilk
Chloromethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	2.104	1.237	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1	0	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9436	0.2072	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.239	1.638	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.04	5.414	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9168	0.2491	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7037	0.4089	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	5	0	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	4.232	1.685	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	5.758	8.367	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/L)	**WT-3**	**Yes**	**125**	**12/13/2012**	**NP (nrm)**	**NaN**	**20**	**9.925**	**27.15**	**unknown**	**ShapiroWilk**
cis-1,3-Dichloropropene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	3.868	1.955	unknown	ShapiroWilk
cis-1,3-Dichloropropene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	3.219	2.458	unknown	ShapiroWilk
Dibromomethane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1.2	0.4472	unknown	ShapiroWilk
Dibromomethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9879	0.2648	unknown	ShapiroWilk
Dibromomethane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.279	1.638	unknown	ShapiroWilk
Dibromomethane (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.133	5.386	unknown	ShapiroWilk
Dibromomethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9295	0.2113	unknown	ShapiroWilk
Dibromomethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7488	0.3468	unknown	ShapiroWilk
Ethylbenzene (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1.2	0.4472	unknown	ShapiroWilk
Ethylbenzene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9864	0.2685	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/11/2025, 1:10 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Ethylbenzene (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.462	2.655	unknown	ShapiroWilk
Ethylbenzene (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	9.371	30.75	unknown	ShapiroWilk
Ethylbenzene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9274	0.2176	unknown	ShapiroWilk
Ethylbenzene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7413	0.3571	unknown	ShapiroWilk
Iodomethane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	10	0	unknown	ShapiroWilk
Iodomethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	9.893	4.557	unknown	ShapiroWilk
Iodomethane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	12.48	16.7	unknown	ShapiroWilk
Iodomethane (ug/L)	**WT-3**	**Yes**	**250,1,1,1**	**12/13/2012,4/13/2021,1...**	**NP (nrm)**	**NaN**	**20**	**20.35**	**54.15**	**unknown**	**ShapiroWilk**
Iodomethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	8.263	3.364	unknown	ShapiroWilk
Iodomethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	8.875	1.553	unknown	ShapiroWilk
Methylene Chloride (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	5	0	unknown	ShapiroWilk
Methylene Chloride (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	4.266	1.63	unknown	ShapiroWilk
Methylene Chloride (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	5.448	3.811	unknown	ShapiroWilk
Methylene Chloride (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	10.43	27	unknown	ShapiroWilk
Methylene Chloride (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	4.404	1.442	unknown	ShapiroWilk
Methylene Chloride (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	3.763	1.708	unknown	ShapiroWilk
Styrene (ug/L)	ST-1	No	n/a	n/a	EPA 1989	0.05	5	2	1.225	normal	ShapiroWilk
Styrene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	1.134	0.6468	unknown	ShapiroWilk
Styrene (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.411	1.708	unknown	ShapiroWilk
Styrene (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.864	7.636	unknown	ShapiroWilk
Styrene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9337	0.1986	unknown	ShapiroWilk
Styrene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7638	0.3261	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1.2	0.4472	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9986	0.2389	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.289	1.632	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.148	5.381	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9453	0.164	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.805	0.2691	unknown	ShapiroWilk
Toluene (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1	0	unknown	ShapiroWilk
Toluene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	1.768	2.582	unknown	ShapiroWilk
Toluene (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.653	3.725	unknown	ShapiroWilk
Toluene (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	15.92	53.77	unknown	ShapiroWilk
Toluene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.94	0.1797	unknown	ShapiroWilk
Toluene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7863	0.295	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1	0	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9479	0.1915	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.243	1.635	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.127	5.388	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9232	0.2302	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7263	0.3778	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	5	0	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	4.411	1.999	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	5.939	8.387	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/L)	**WT-3**	**Yes**	**125**	**12/13/2012**	**NP (nrm)**	**NaN**	**20**	**9.956**	**27.14**	**unknown**	**ShapiroWilk**
trans-1,3-Dichloropropene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	3.901	1.893	unknown	ShapiroWilk
trans-1,3-Dichloropropene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	3.335	2.298	unknown	ShapiroWilk
trans-1,4-Dichloro-2-Butene (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	10	0	unknown	ShapiroWilk
trans-1,4-Dichloro-2-Butene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	9.186	3.415	unknown	ShapiroWilk
trans-1,4-Dichloro-2-Butene (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	12.17	16.62	unknown	ShapiroWilk
trans-1,4-Dichloro-2-Butene (ug/L)	**WT-3**	**Yes**	**250,1.1,1.1**	**12/13/2012,10/11/2024,...**	**NP (nrm)**	**NaN**	**20**	**20.86**	**54.08**	**unknown**	**ShapiroWilk**

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/11/2025, 1:10 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
trans-1,4-Dichloro-2-Butene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	8.8	4.124	unknown	ShapiroWilk
trans-1,4-Dichloro-2-Butene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	6.663	4.606	unknown	ShapiroWilk
Trichloroethene (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1	0	unknown	ShapiroWilk
Trichloroethene (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9394	0.1782	unknown	ShapiroWilk
Trichloroethene (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.254	1.629	unknown	ShapiroWilk
Trichloroethene (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.143	5.383	unknown	ShapiroWilk
Trichloroethene (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.94	0.1797	unknown	ShapiroWilk
Trichloroethene (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.7863	0.295	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	4	0	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	3.42	1.274	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	4.637	6.675	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	**WT-3**	**Yes**	**100**	**12/13/2012**	**NP (nrm)**	**NaN**	**20**	**7.988**	**21.71**	**unknown**	**ShapiroWilk**
Trichlorofluoromethane (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	3.145	1.478	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	2.642	1.874	unknown	ShapiroWilk
Vinyl Acetate (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	2	0	unknown	ShapiroWilk
Vinyl Acetate (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	6.5	4.54	unknown	ShapiroWilk
Vinyl Acetate (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	9.742	17.32	unknown	ShapiroWilk
Vinyl Acetate (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	10.6	10.12	unknown	ShapiroWilk
Vinyl Acetate (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	8.947	3.847	unknown	ShapiroWilk
Vinyl Acetate (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	7.188	3.882	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	1	0	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9414	0.2151	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	1.213	1.649	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	2.077	5.404	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	0.9137	0.2585	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	0.6925	0.4244	unknown	ShapiroWilk
Xylenes, Total (ug/L)	ST-1	No	n/a	n/a	NP (nrm)	NaN	5	5.4	3.912	unknown	ShapiroWilk
Xylenes, Total (ug/L)	WT-1	n/a	n/a	n/a	NP (nrm)	NaN	28	3.136	1.981	unknown	ShapiroWilk
Xylenes, Total (ug/L)	WT-2	n/a	n/a	n/a	NP (nrm)	NaN	31	4.222	5.942	unknown	ShapiroWilk
Xylenes, Total (ug/L)	WT-3	n/a	n/a	n/a	NP (nrm)	NaN	20	23.02	78.31	unknown	ShapiroWilk
Xylenes, Total (ug/L)	WT-4	n/a	n/a	n/a	NP (nrm)	NaN	19	2.436	0.9663	unknown	ShapiroWilk
Xylenes, Total (ug/L)	WT-OF	n/a	n/a	n/a	NP (nrm)	NaN	8	2.025	1.346	unknown	ShapiroWilk

Groundwater Underdrain –

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 6/24/2025, 3:16 PM

	WT-2 Antimony (mg/L)	WT-3 Antimony (mg/L)	WT-3 Arsenic (mg/L)	WT-1 Barium (mg/L)	WT-2 Barium (mg/L)	WT-3 Barium (mg/L)	WT-3 Beryllium (mg/L)	WT-3 Cadmium (mg/L)	WT-1 Chromium (mg/L)	WT-2 Chromium (mg/L)
4/11/2012										
8/1/2012	<0.012 (o)				2.65 (o)					
10/11/2012	<0.018 (o)									
12/13/2012										
3/30/2013								0.00101 (o)		
10/5/2015					1.22 (o)					
4/26/2018										
10/16/2018									0.0136 (o)	0.0162 (o)
10/7/2020		<0.02 (o)	13.9 (o)	1.67 (o)		35.3 (o)	0.00806 (o)	0.00138 (o)		
4/29/2024										
2/25/2025										

	WT-3 Chromium (mg/L)	WT-4 Chromium (mg/L)	WT-1 Cobalt (mg/L)	WT-2 Cobalt (mg/L)	WT-3 Cobalt (mg/L)	WT-OF Cobalt (mg/L)	WT-1 Copper (mg/L)	WT-2 Copper (mg/L)	WT-3 Copper (mg/L)	WT-1 Lead (mg/L)
4/11/2012										
8/1/2012										
10/11/2012										
12/13/2012										
3/30/2013										
10/5/2015				0.0528 (o)						
4/26/2018										
10/16/2018	0.00757 (o)	0.0066 (o)					0.00896 (o)	0.0112 (o)		0.00725 (o)
10/7/2020	0.0448 (o)		0.0182 (o)		0.07 (o)				0.053 (o)	
4/29/2024			0.207 (o)			0.0633 (o)				
2/25/2025										

	WT-2 Lead (mg/L)	WT-3 Lead (mg/L)	WT-4 Lead (mg/L)	WT-1 Nickel (mg/L)	WT-2 Nickel (mg/L)	WT-3 Nickel (mg/L)	WT-3 Selenium (mg/L)	WT-4 Selenium (mg/L)	WT-OF Selenium (mg/L)	WT-3 Silver (mg/L)
4/11/2012										
8/1/2012					0.0676 (o)					
10/11/2012										
12/13/2012						0.183 (o)				
3/30/2013		0.0181 (o)								
10/5/2015					0.094 (o)					
4/26/2018								0.00457 (Jo)		
10/16/2018	0.00754 (o)	0.00354 (o)	0.00281 (o)							
10/7/2020		0.0321 (o)				0.134 (o)	0.0311 (o)			<0.02 (o)
4/29/2024				0.129 (o)						
2/25/2025									0.0171 (o)	

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 6/24/2025, 3:16 PM

	WT-4 Silver (mg/L)	WT-2 Thallium (mg/L)	WT-3 Thallium (mg/L)	WT-1 Vanadium (mg/L)	WT-2 Vanadium (mg/L)	WT-3 Vanadium (mg/L)	WT-4 Vanadium (mg/L)	WT-3 Zinc (mg/L)	WT-4 Zinc (mg/L)
4/11/2012	<0.02 (o)								
8/1/2012		0.00251 (o)							
10/11/2012									
12/13/2012								0.258 (o)	
3/30/2013								0.861 (o)	
10/5/2015									
4/26/2018									<0.08 (o)
10/16/2018				0.0213 (o)	0.0244 (o)	0.0128 (o)	0.0144 (o)		
10/7/2020			<0.02 (o)			0.128 (o)		0.419 (o)	
4/29/2024									
2/25/2025									

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 10:40 AM

	WT-2 1,1,1,2-Tetrachloroethane (ug/L)	WT-3 1,1,1,2-Tetrachloroethane (ug/L)	WT-2 1,1,1-Trichloroethane (ug/L)	WT-3 1,1,1-Trichloroethane (ug/L)	WT-2 1,1,2,2-Tetrachloroethane (ug/L)	WT-3 1,1,2,2-Tetrachloroethane (ug/L)	WT-2 1,1,2-Trichloroethane (ug/L)	WT-3 1,1,2-Trichloroethane (ug/L)	WT-2 1,1-Dichloroethane (ug/L)	WT-3 1,1-Dichloroethane (ug/L)
10/25/2009										
3/3/2010										
5/10/2010										
7/8/2011										
10/13/2011										
4/11/2012										
8/1/2012										
12/13/2012		<25 (o)		<25 (o)		<25 (o)		<25 (o)		<25 (o)
3/30/2013										
10/5/2015	<10 (o)		<10 (o)		<10 (o)		<10 (o)		<10 (o)	
10/7/2020										
4/13/2021										
10/20/2021						0.5 (Jo)				
5/1/2023										
4/29/2024										

	WT-2 1,1-Dichloroethene (ug/L)	WT-3 1,1-Dichloroethene (ug/L)	WT-2 1,2,3-Trichloropropane (ug/L)	WT-3 1,2,3-Trichloropropane (ug/L)	WT-3 1,2-Dibromo-3-Chloropropane (ug/L)	WT-3 1,2-Dibromoethane [EDB] (ug/L)	WT-2 1,2-Dichlorobenzene (ug/L)	WT-3 1,2-Dichlorobenzene (ug/L)	WT-2 1,2-Dichloroethane (ug/L)	WT-3 1,2-Dichloroethane (ug/L)
10/25/2009										
3/3/2010										
5/10/2010										
7/8/2011										
10/13/2011										
4/11/2012										
8/1/2012										
12/13/2012		<50 (o)		<25 (o)	<250 (o)	<250 (o)		<25 (o)		<25 (o)
3/30/2013										
10/5/2015	<20 (o)		<10 (o)				<10 (o)		<10 (o)	
10/7/2020										
4/13/2021										
10/20/2021										
5/1/2023										
4/29/2024										

Flagged_Outliers

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 10:40 AM

	WT-2 1,2-Dichloropropane (ug/L)	WT-3 1,2-Dichloropropane (ug/L)	WT-2 1,4-Dichlorobenzene (ug/L)	WT-3 1,4-Dichlorobenzene (ug/L)	WT-1 2-Butanone [MEK] (ug/L)	WT-2 2-Butanone [MEK] (ug/L)	WT-3 2-Butanone [MEK] (ug/L)	WT-2 2-Hexanone (ug/L)	WT-3 2-Hexanone (ug/L)	WT-2 4-Methyl-2-pentanone [MIBK] (ug/L)
10/25/2009										
3/3/2010										
5/10/2010										
7/8/2011										
10/13/2011										
4/11/2012										
8/1/2012										71.5 (o)
12/13/2012		<25 (o)		<25 (o)			<250 (o)		<250 (o)	
3/30/2013										
10/5/2015	<10 (o)		<10 (o)			<100 (o)		<100 (o)		<100 (o)
10/7/2020										
4/13/2021										
10/20/2021										
5/1/2023										
4/29/2024					32.7 (o)					

	WT-3 4-Methyl-2-pentanone [MIBK] (ug/L)	WT-1 Acetone (ug/L)	WT-2 Acetone (ug/L)	WT-3 Acetone (ug/L)	WT-2 Acrylonitrile (ug/L)	WT-3 Acrylonitrile (ug/L)	WT-2 Benzene (ug/L)	WT-3 Benzene (ug/L)	WT-2 Bromochloromethane (ug/L)	WT-3 Bromochloromethane (ug/L)
10/25/2009										
3/3/2010		86.2 (o)	23.7 (o)							
5/10/2010										
7/8/2011										
10/13/2011										
4/11/2012										
8/1/2012			45 (o)							
12/13/2012	<250 (o)			<250 (o)		<250 (o)		53.5 (o)		<125 (o)
3/30/2013	22.7 (o)							14.1 (o)		
10/5/2015			<100 (o)		<100 (o)				<50 (o)	
10/7/2020							1.18 (o)			
4/13/2021							2.4 (o)			
10/20/2021										
5/1/2023										
4/29/2024		43.7 (o)								

Flagged_Outliers

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 10:40 AM

	WT-2 Bromodichloromethane (ug/L)	WT-3 Bromodichloromethane (ug/L)	WT-4 Bromodichloromethane (ug/L)	ST-1 Bromoform (ug/L)	WT-1 Bromoform (ug/L)	WT-2 Bromoform (ug/L)	WT-3 Bromoform (ug/L)	WT-1 Bromomethane (ug/L)	WT-2 Bromomethane (ug/L)	WT-3 Bromomethane (ug/L)
10/25/2009						<10 (o)				
3/3/2010										
5/10/2010				<20 (o)	<20 (o)	<20 (o)				
7/8/2011										
10/13/2011								<20 (o)	<20 (o)	
4/11/2012										
8/1/2012										
12/13/2012		<25 (o)					<125 (o)			<100 (o)
3/30/2013										
10/5/2015	<10 (o)					<50 (o)			<40 (o)	
10/7/2020										
4/13/2021										
10/20/2021										
5/1/2023		1.96 (o)	2.02 (o)							
4/29/2024										

	WT-2 Carbon Disulfide (ug/L)	WT-3 Carbon Disulfide (ug/L)	WT-2 Carbon Tetrachloride (ug/L)	WT-3 Carbon Tetrachloride (ug/L)	WT-2 Chlorobenzene (ug/L)	WT-3 Chlorobenzene (ug/L)	WT-2 Chlorodibromomethane (ug/L)	WT-3 Chlorodibromomethane (ug/L)	WT-2 Chloroethane (ug/L)	WT-3 Chloroethane (ug/L)
10/25/2009										
3/3/2010										
5/10/2010										
7/8/2011										
10/13/2011										
4/11/2012										
8/1/2012										
12/13/2012		<25 (o)		<50 (o)		<25 (o)		<125 (o)		<100 (o)
3/30/2013		6.23 (o)		8.39 (o)						
10/5/2015	<10 (o)		<20 (o)		<10 (o)		<50 (o)		<40 (o)	
10/7/2020										
4/13/2021										
10/20/2021										
5/1/2023								1.38 (Jo)		
4/29/2024										

Flagged_Outliers

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 10:40 AM

	WT-2 Chloroform (ug/L)	WT-3 Chloroform (ug/L)	WT-4 Chloroform (ug/L)	WT-2 Chloromethane (ug/L)	WT-3 Chloromethane (ug/L)	WT-2 cis-1,2-Dichloroethene (ug/L)	WT-3 cis-1,2-Dichloroethene (ug/L)	WT-2 cis-1,3-Dichloropropene (ug/L)	WT-3 cis-1,3-Dichloropropene (ug/L)	WT-2 Dibromomethane (ug/L)
10/25/2009										
3/3/2010										
5/10/2010										
7/8/2011										
10/13/2011										
4/11/2012										
8/1/2012										
12/13/2012		<25 (o)			<75 (o)		<25 (o)		<125 (o)	
3/30/2013										
10/5/2015	6.38 (Jo)			<30 (o)		<10 (o)		<50 (o)		<10 (o)
10/7/2020										
4/13/2021										
10/20/2021										
5/1/2023		6.75 (o)	8.17 (o)							
4/29/2024										

	WT-3 Dibromomethane (ug/L)	WT-2 Ethylbenzene (ug/L)	WT-3 Ethylbenzene (ug/L)	WT-2 Iodomethane (ug/L)	WT-3 Iodomethane (ug/L)	WT-2 Methylene Chloride (ug/L)	WT-3 Methylene Chloride (ug/L)	WT-2 Styrene (ug/L)	WT-3 Styrene (ug/L)	WT-2 Tetrachloroethene (ug/L)
10/25/2009										
3/3/2010										
5/10/2010										
7/8/2011										
10/13/2011										
4/11/2012										
8/1/2012										
12/13/2012	<25 (o)		136 (o)		<250 (o)		<125 (o)		35 (o)	
3/30/2013			34.8 (o)						5.54 (o)	
10/5/2015		15.7 (o)		<100 (o)		25.5 (Jo)		<10 (o)		<10 (o)
10/7/2020										
4/13/2021										
10/20/2021										
5/1/2023										
4/29/2024										

Flagged_Outliers

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 10:40 AM

	WT-3 Tetrachloroethene (ug/L)	WT-2 Toluene (ug/L)	WT-3 Toluene (ug/L)	WT-2 trans-1,2-Dichloroethene (ug/L)	WT-3 trans-1,2-Dichloroethene (ug/L)	WT-2 trans-1,3-Dichloropropene (ug/L)	WT-3 trans-1,3-Dichloropropene (ug/L)	WT-2 trans-1,4-Dichloro-2-Butene (ug/L)	WT-3 trans-1,4-Dichloro-2-Butene (ug/L)	WT-2 Trichloroethene (ug/L)
10/25/2009										
3/3/2010										
5/10/2010										
7/8/2011					<10 (o)					
10/13/2011										
4/11/2012										
8/1/2012										
12/13/2012	<25 (o)		236 (o)		<25 (o)		<125 (o)		<250 (o)	
3/30/2013			65.5 (o)							
10/5/2015		21.7 (o)		<10 (o)		<50 (o)		<100 (o)		<10 (o)
10/7/2020										
4/13/2021										
10/20/2021										
5/1/2023										
4/29/2024										

	WT-3 Trichloroethene (ug/L)	WT-2 Trichlorofluoromethane (ug/L)	WT-3 Trichlorofluoromethane (ug/L)	WT-1 Vinyl Acetate (ug/L)	WT-2 Vinyl Acetate (ug/L)	WT-3 Vinyl Acetate (ug/L)	WT-4 Vinyl Acetate (ug/L)	WT-2 Vinyl Chloride (ug/L)	WT-3 Vinyl Chloride (ug/L)	WT-2 Xylenes, Total (ug/L)
10/25/2009										
3/3/2010										
5/10/2010										
7/8/2011										
10/13/2011										
4/11/2012				<20 (o)	<20 (o)	<20 (o)	<20 (o)			
8/1/2012										
12/13/2012	<25 (o)		<100 (o)			<50 (o)			<25 (o)	
3/30/2013										
10/5/2015		<40 (o)			<100 (o)			<10 (o)		34.5 (o)
10/7/2020										
4/13/2021										
10/20/2021										
5/1/2023										
4/29/2024										

Flagged_Outliers

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 10:40 AM

	WT-3 Xylenes, Total (ug/L)
10/25/2009	
3/3/2010	
5/10/2010	
7/8/2011	
10/13/2011	
4/11/2012	
8/1/2012	
12/13/2012	350 (o)
3/30/2013	67.1 (o)
10/5/2015	
10/7/2020	
4/13/2021	
10/20/2021	
5/1/2023	
4/29/2024	

Groundwater Underdrain –

Time Series

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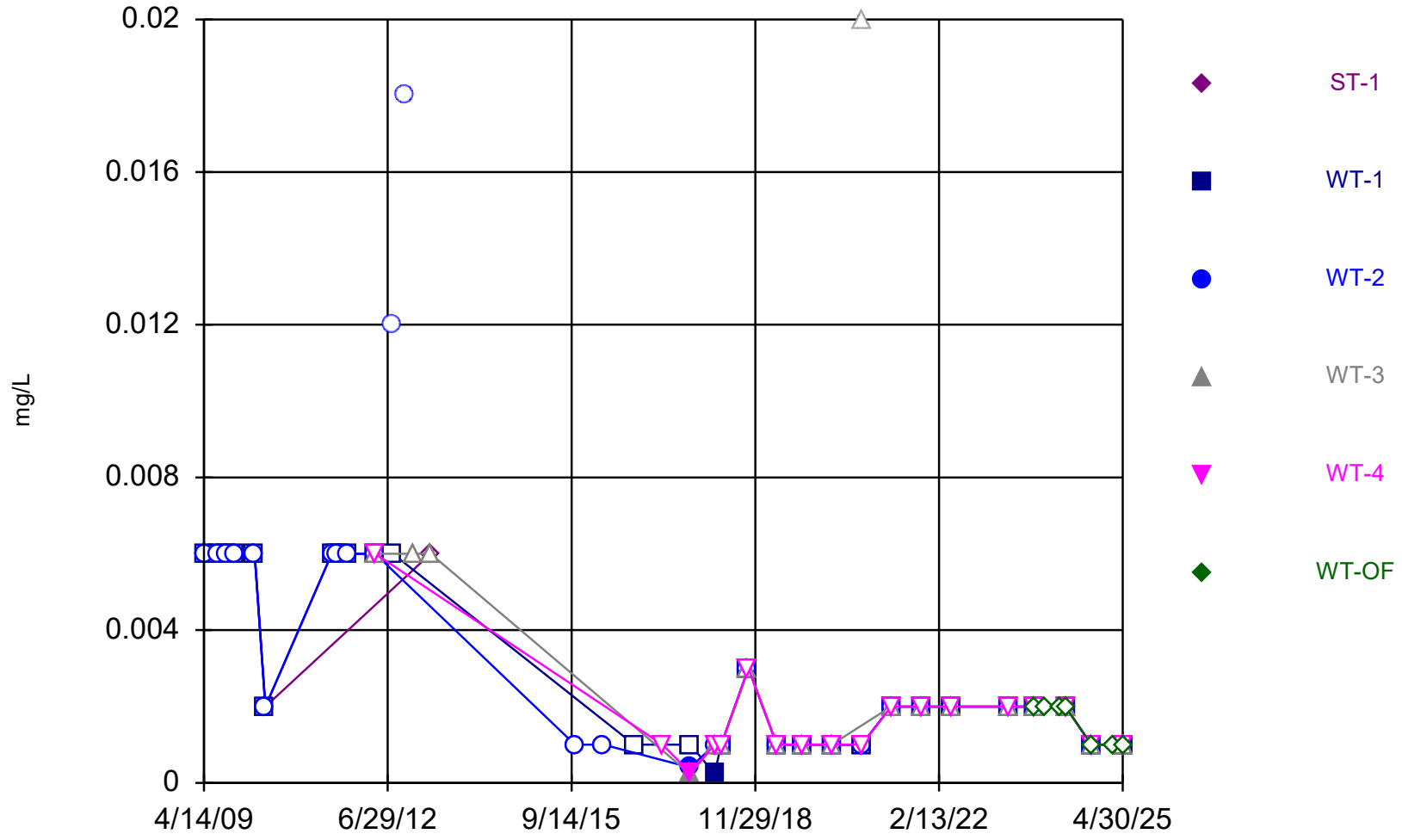
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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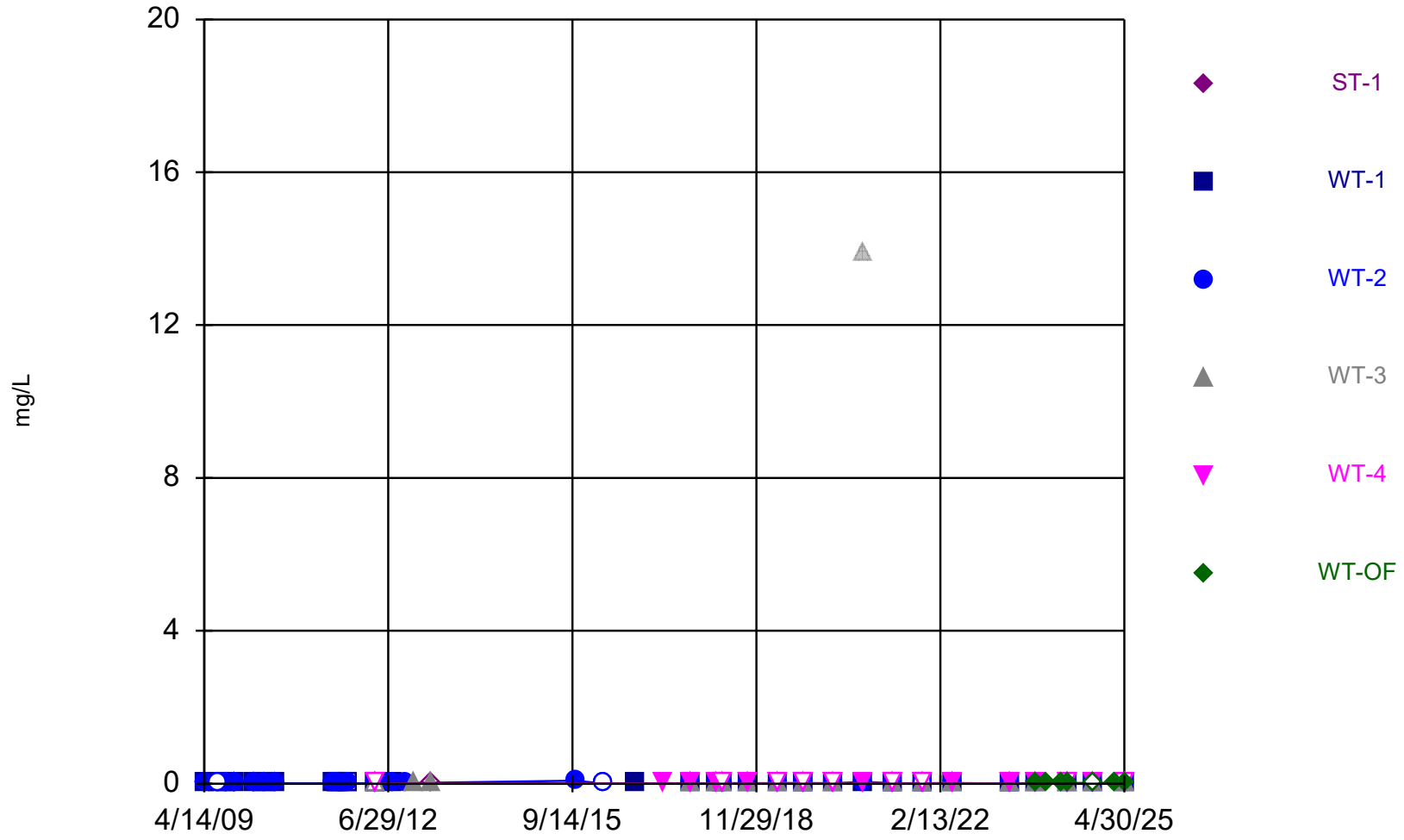

Constituent: Arsenic Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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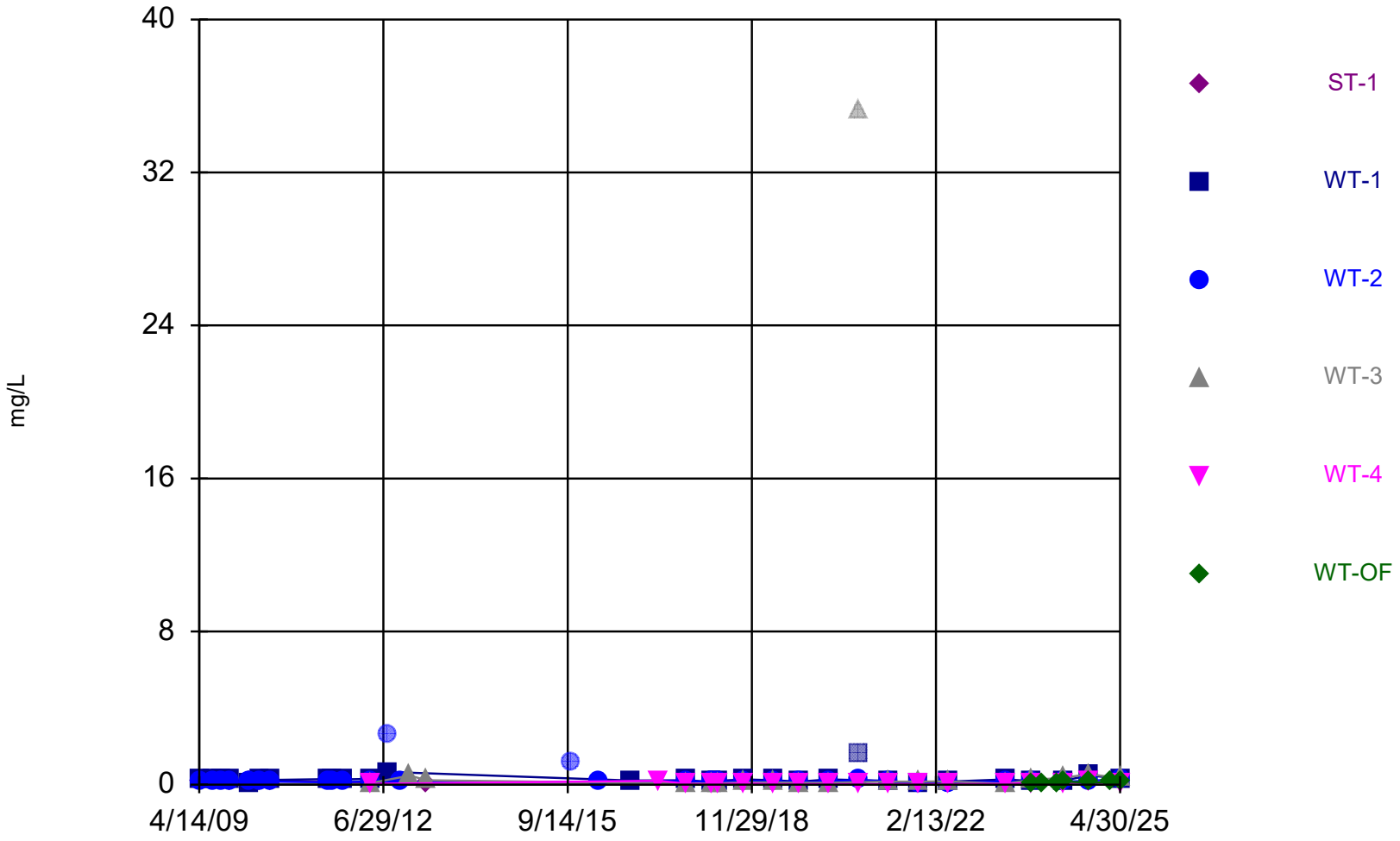
Time Series



Constituent: Barium Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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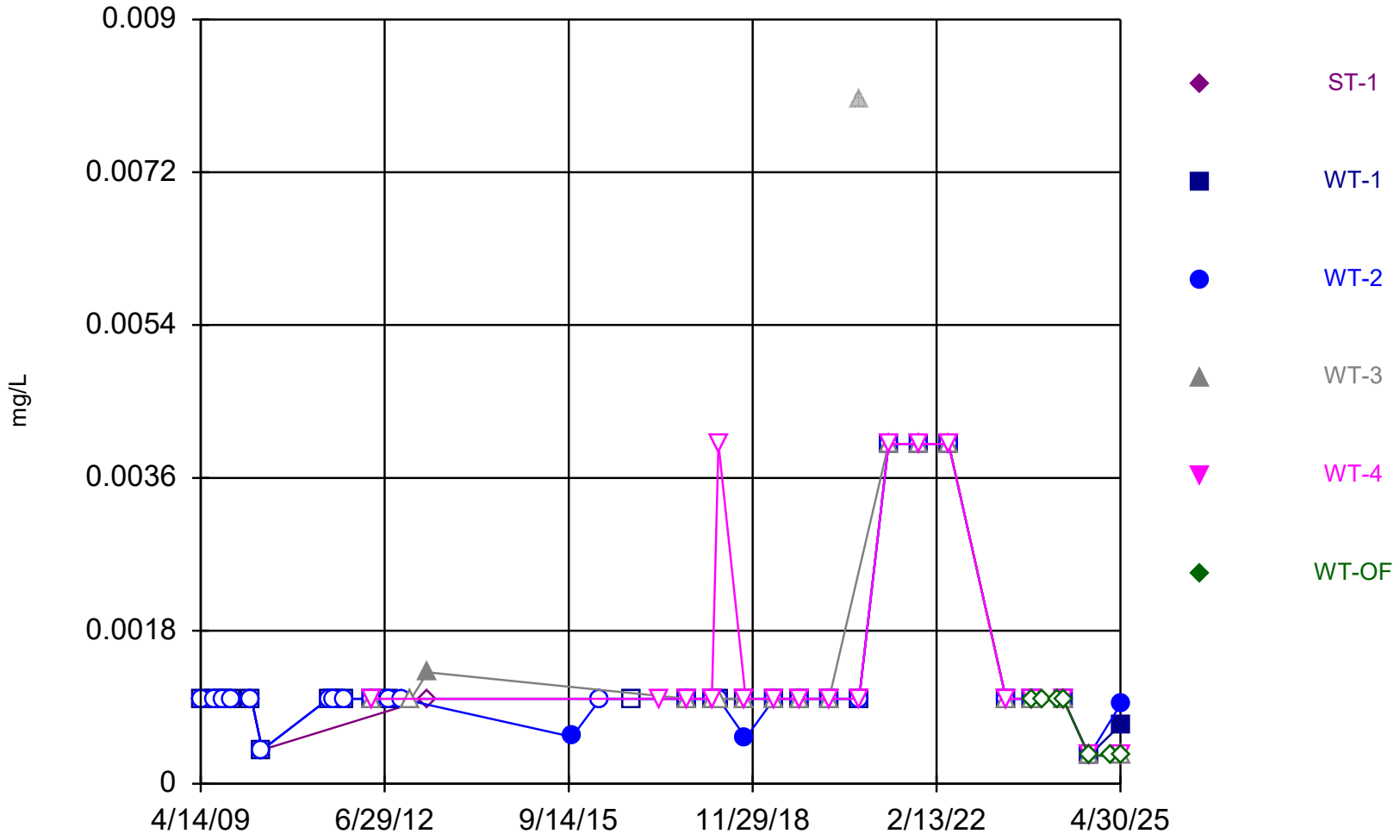
Time Series



Constituent: Beryllium Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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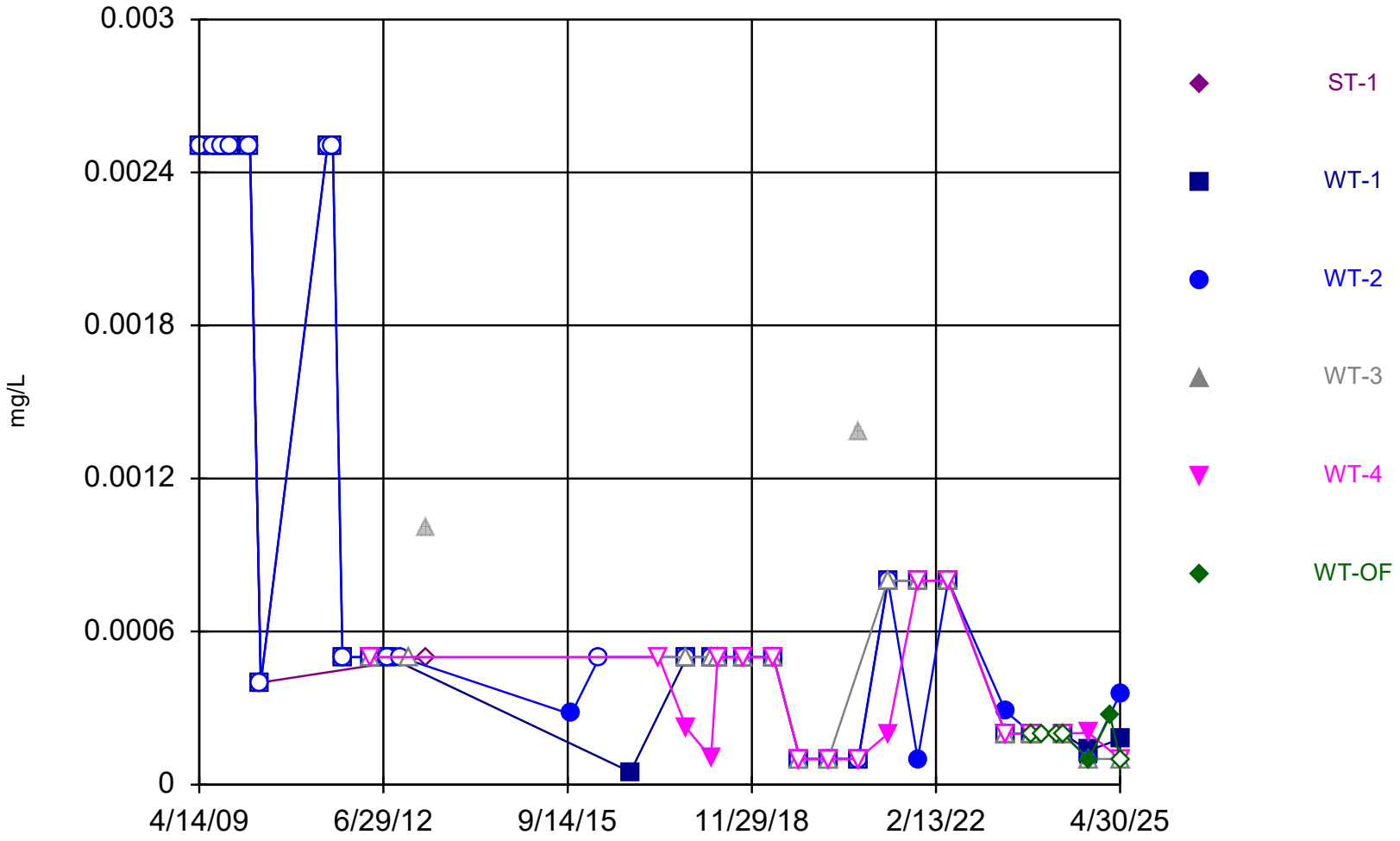

Constituent: Cadmium Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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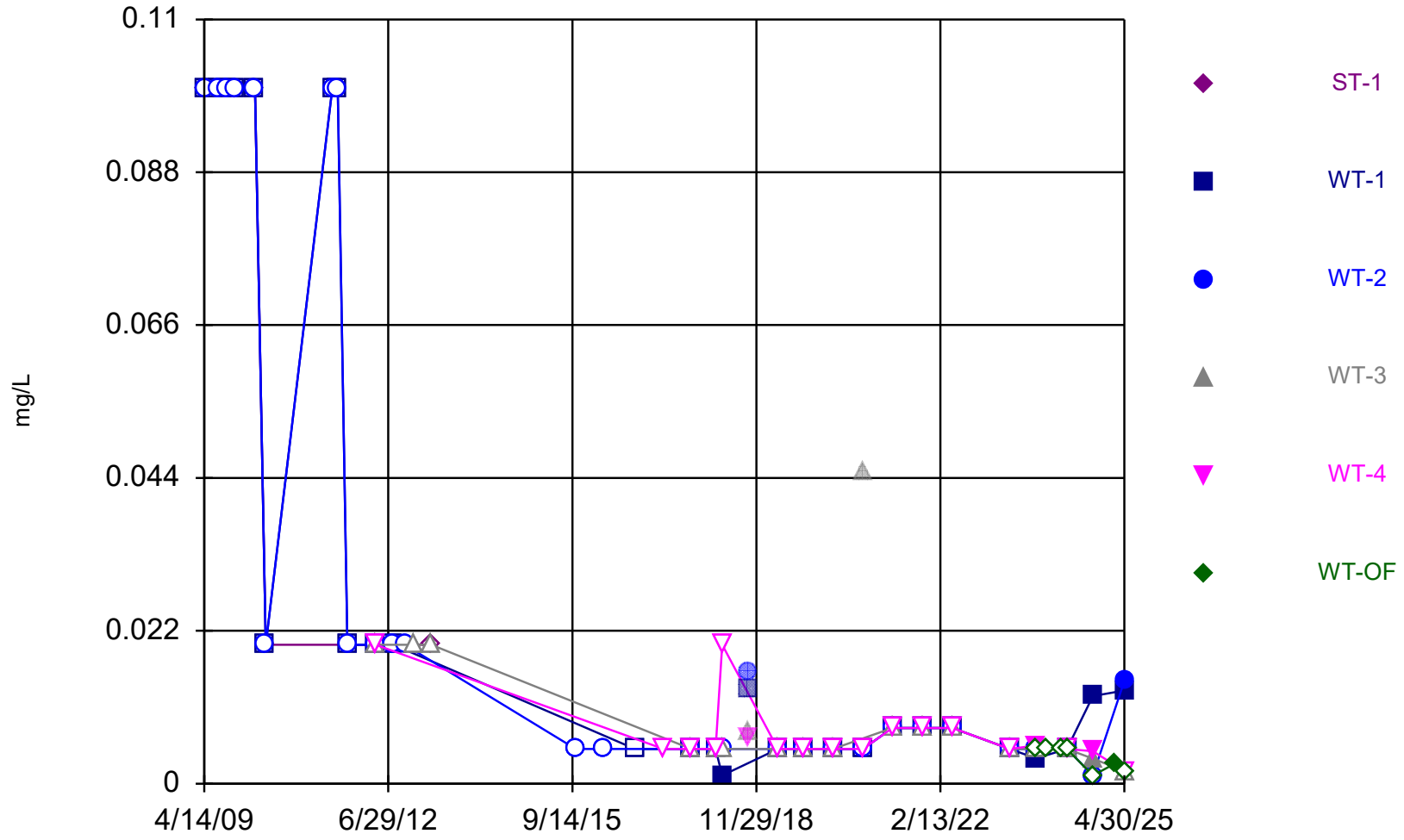
Time Series



Constituent: Chromium Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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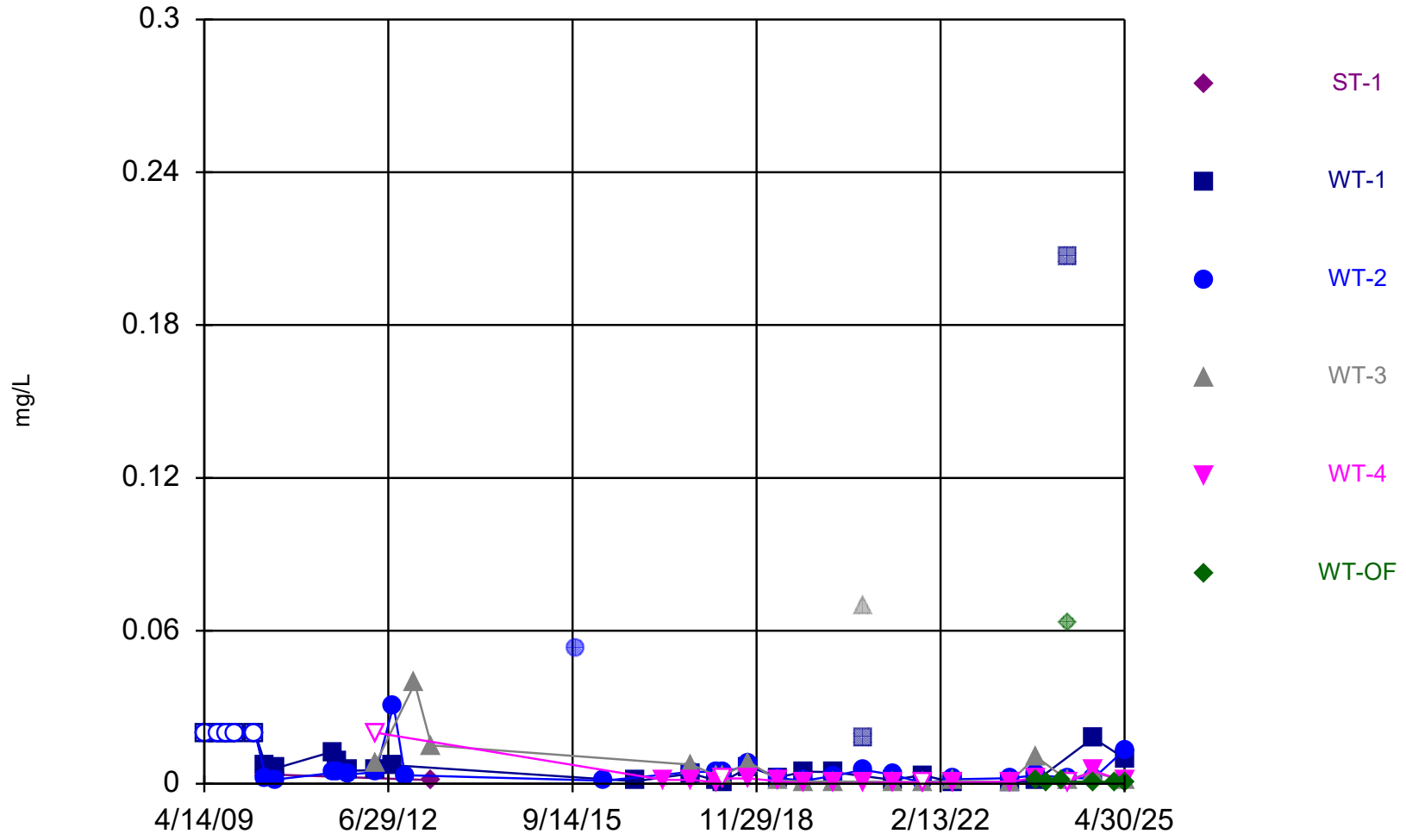
Time Series



Constituent: Cobalt Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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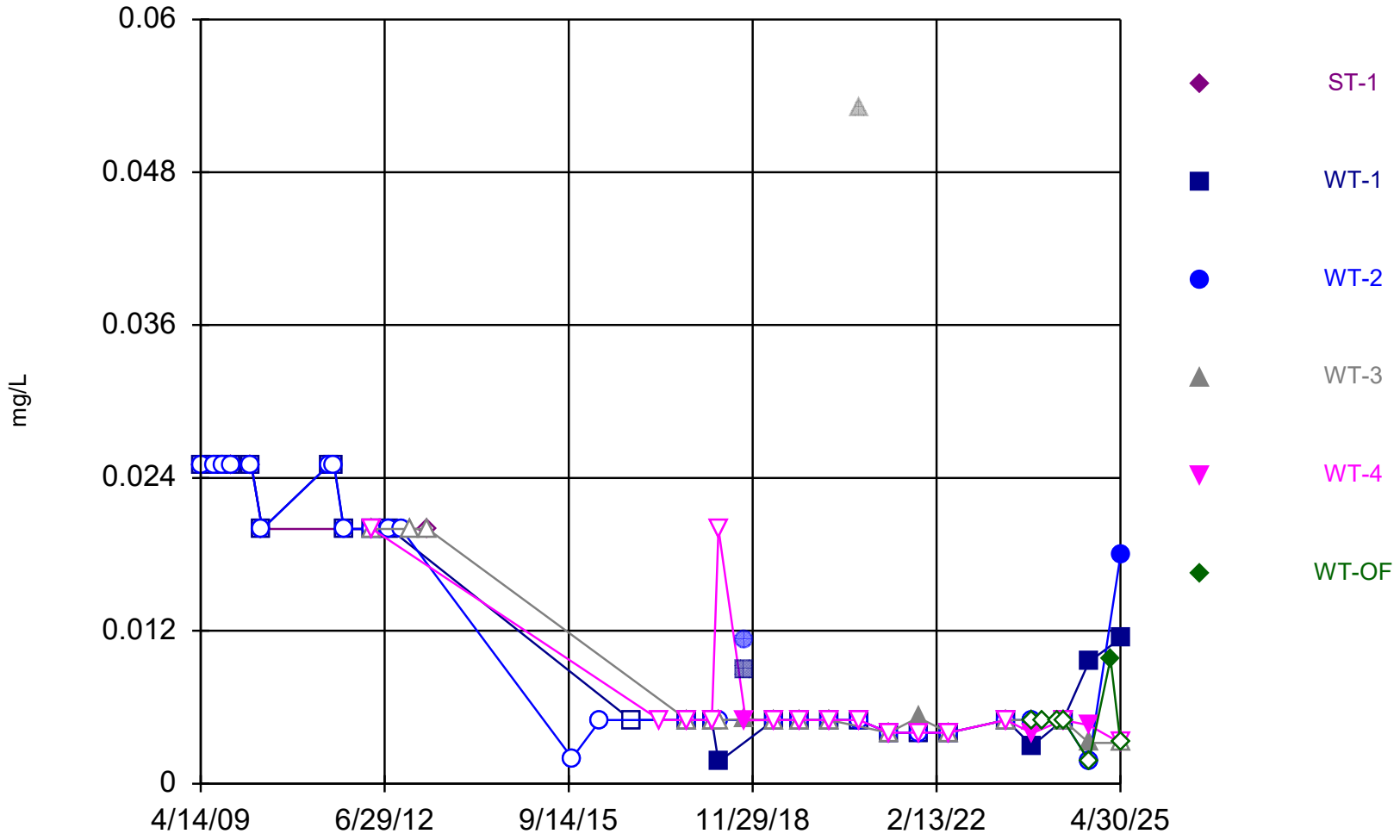
Time Series



Constituent: Copper Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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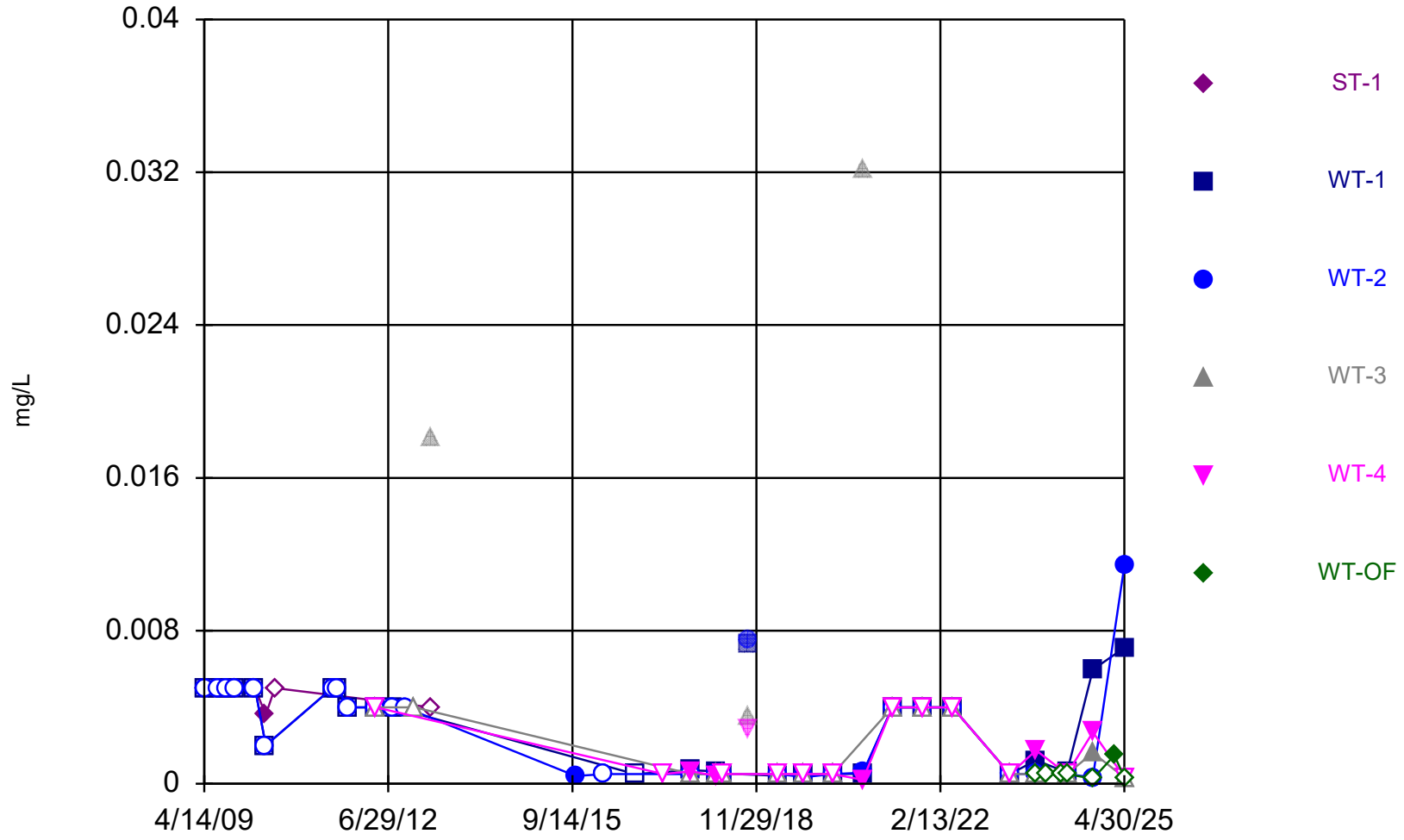

Constituent: Lead Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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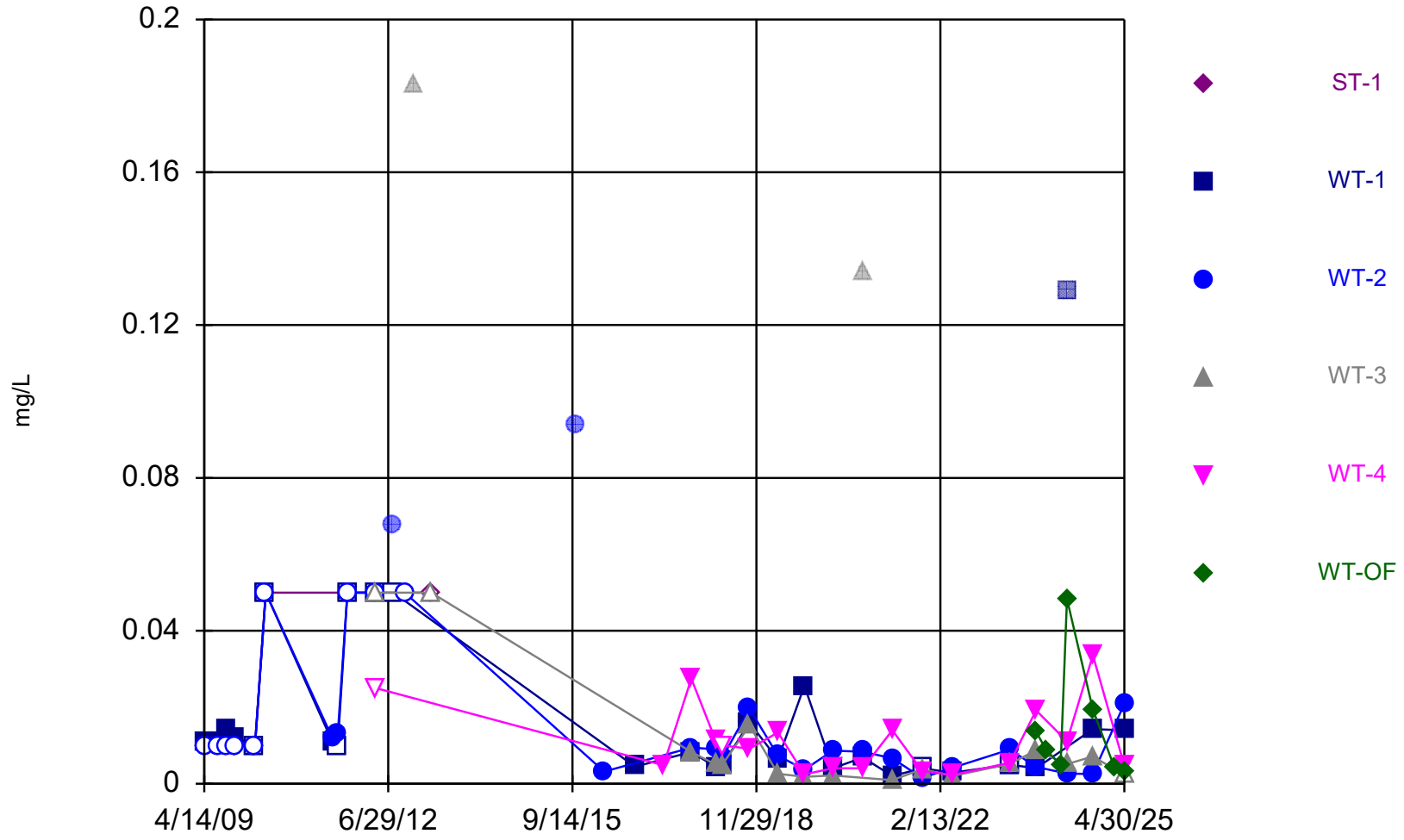

Constituent: Nickel Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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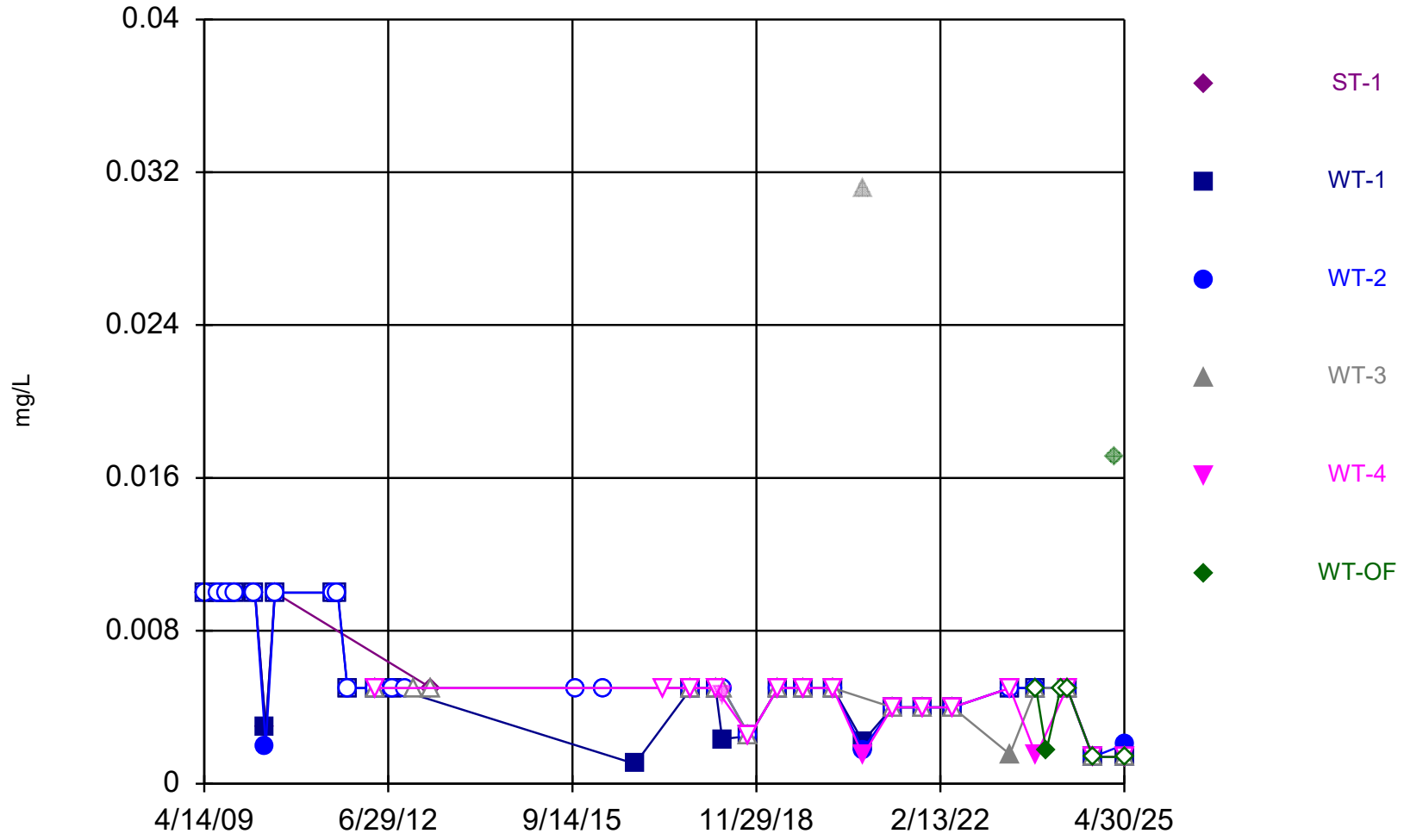
Time Series



Constituent: Selenium Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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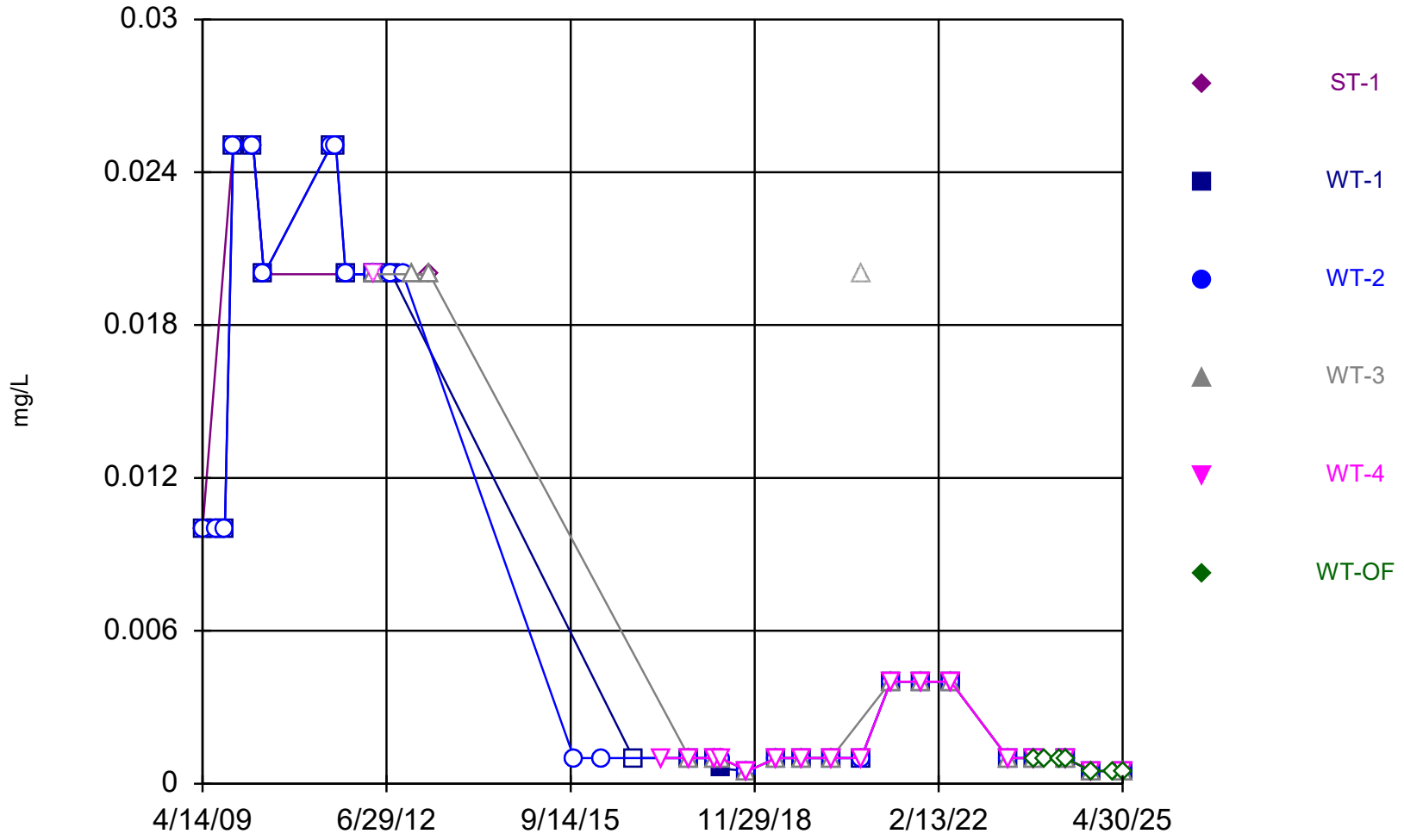
Time Series



Constituent: Silver Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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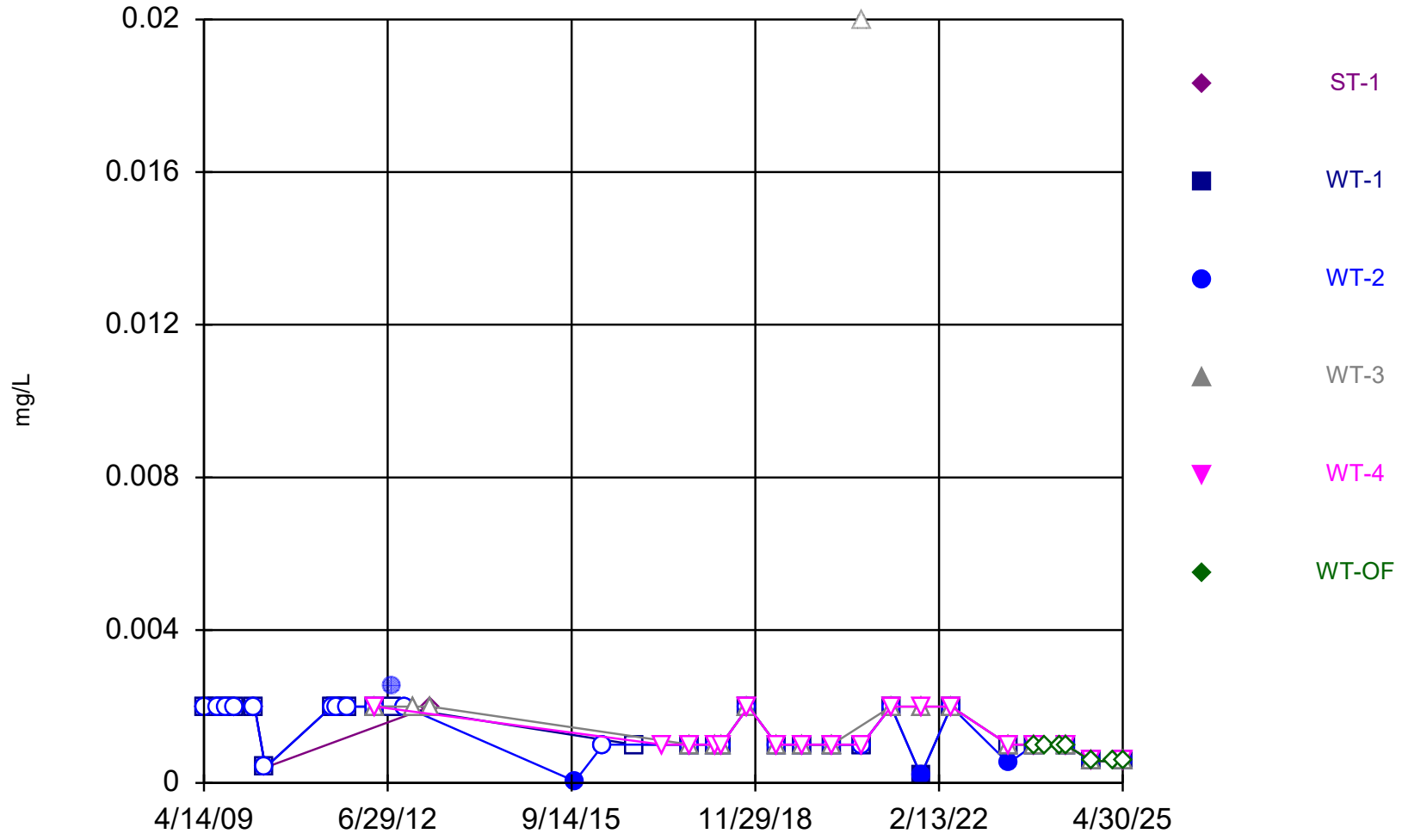

Constituent: Thallium Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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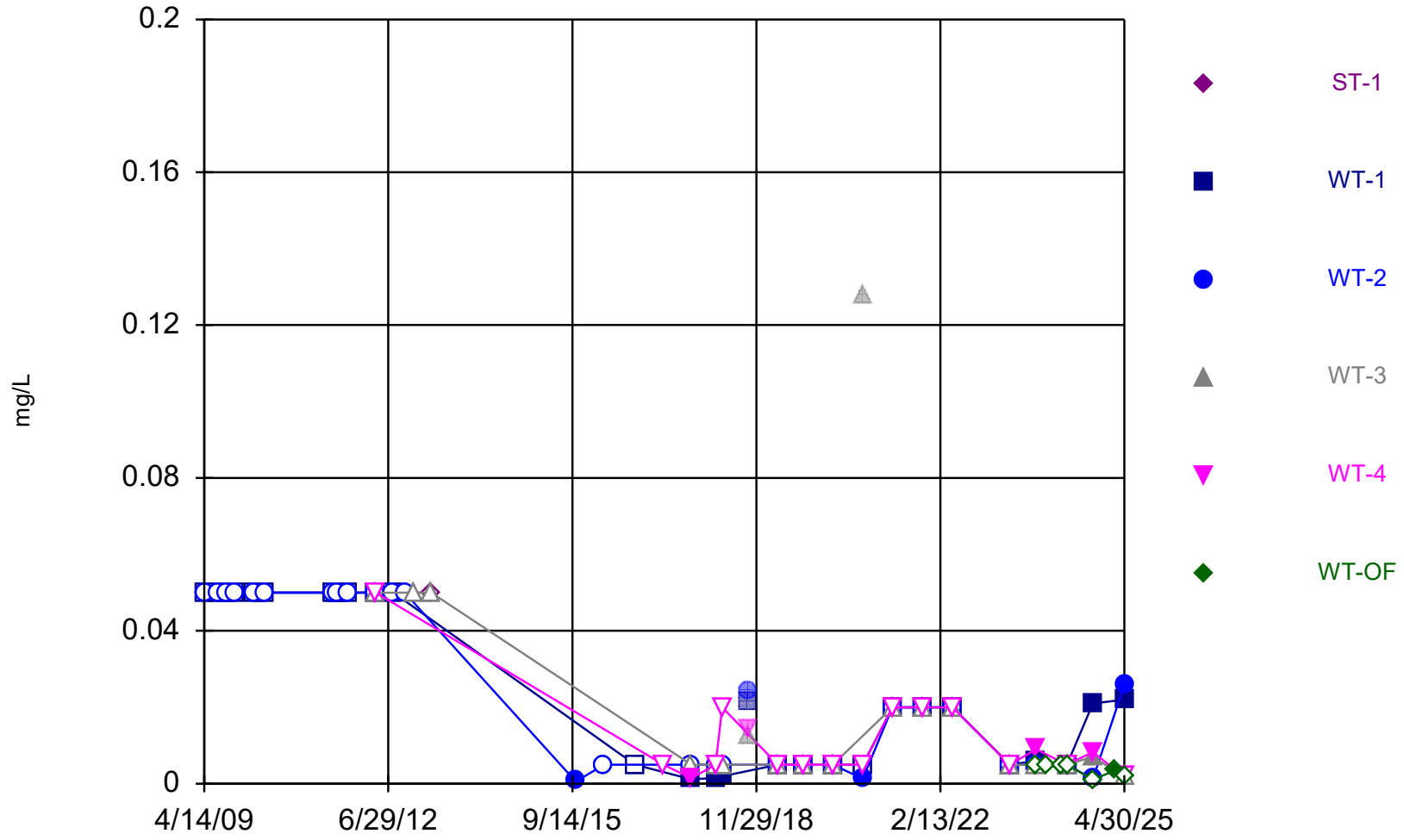

Constituent: Vanadium Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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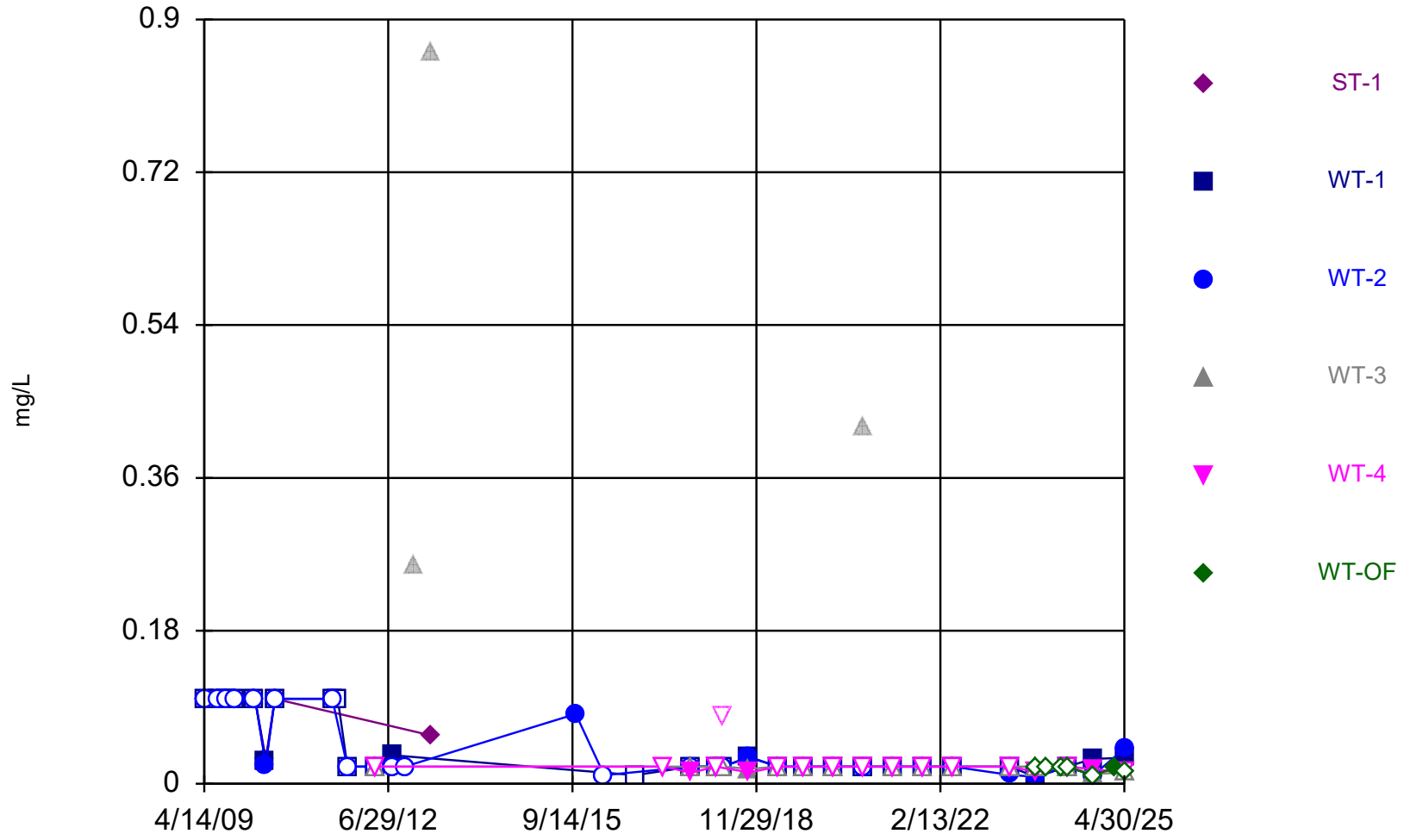

Constituent: Zinc Analysis Run 7/21/2025 10:54 AM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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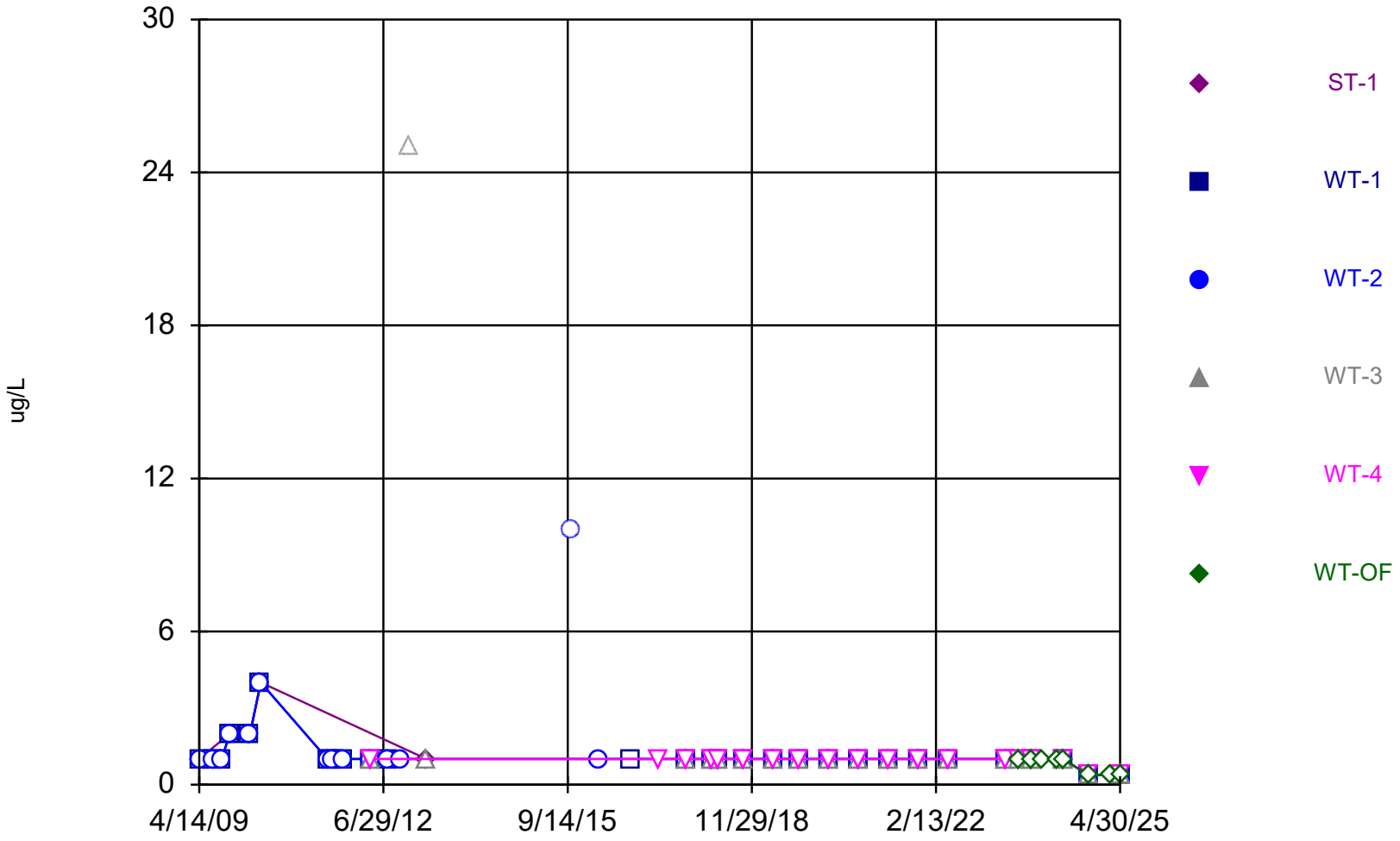
Time Series



Constituent: 1,1,1,2-Tetrachloroethane Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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Hollow symbols indicate censored values.

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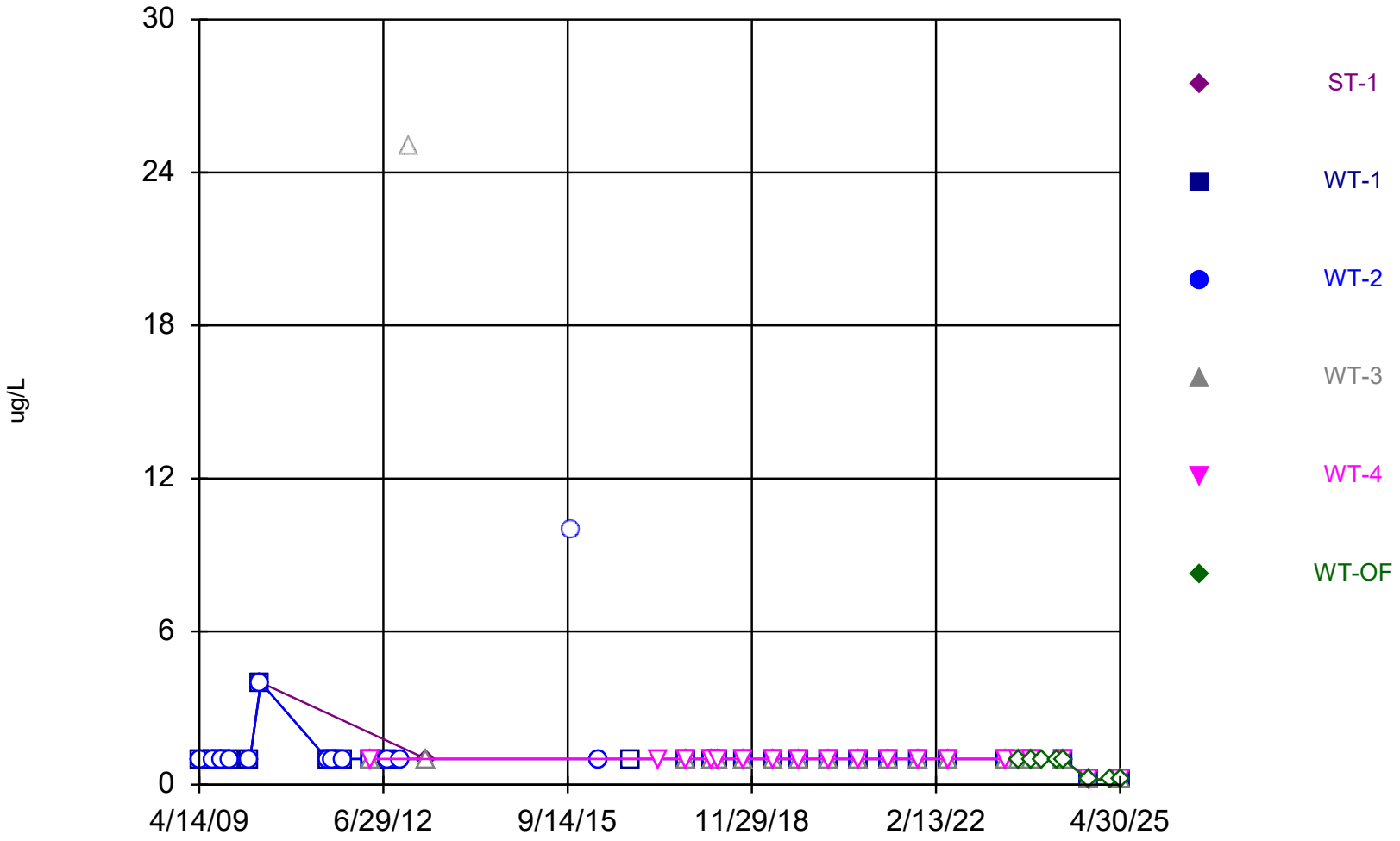

Constituent: 1,1,1-Trichloroethane Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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Hollow symbols indicate censored values.

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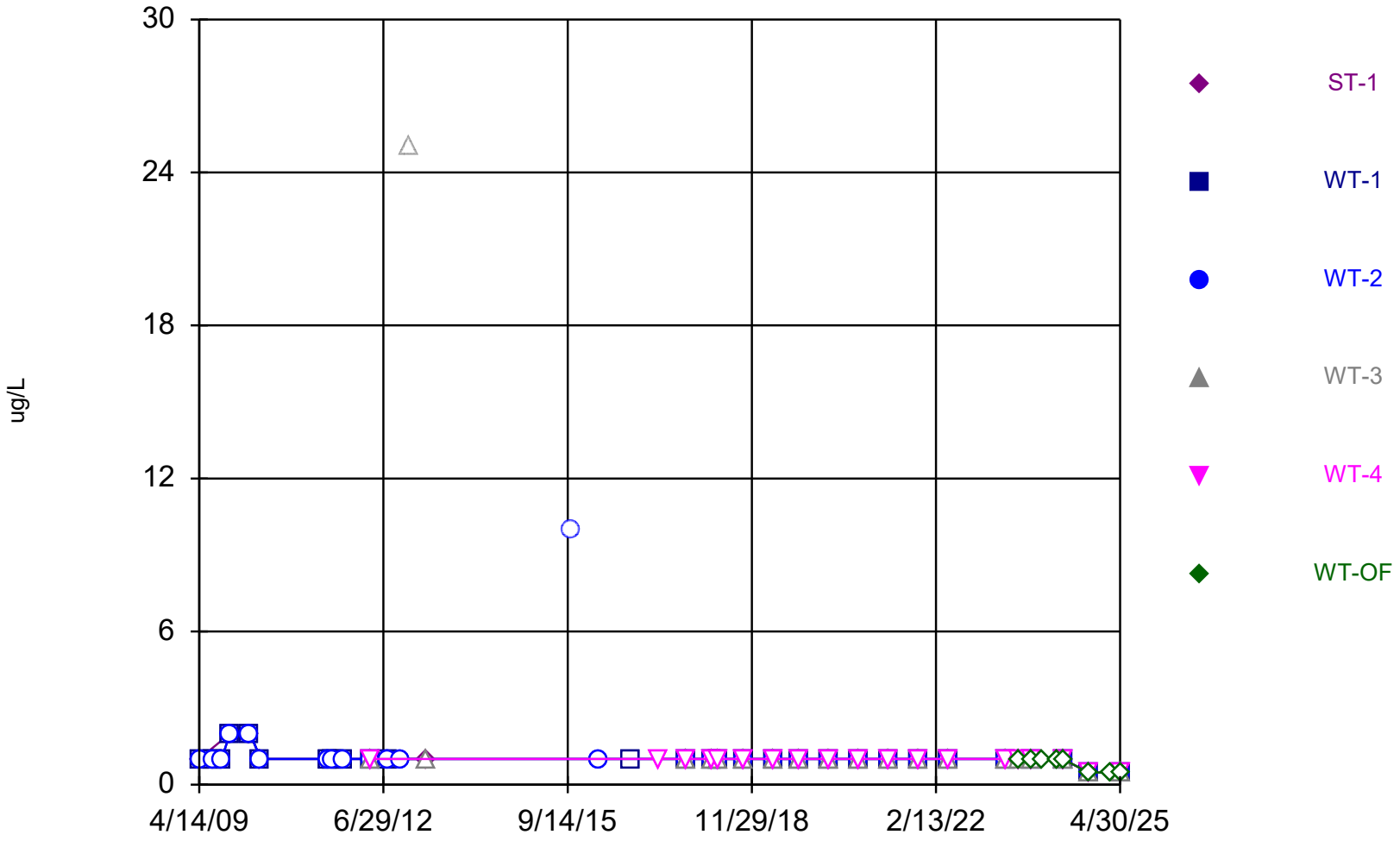

Constituent: 1,1,2,2-Tetrachloroethane Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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Hollow symbols indicate censored values.

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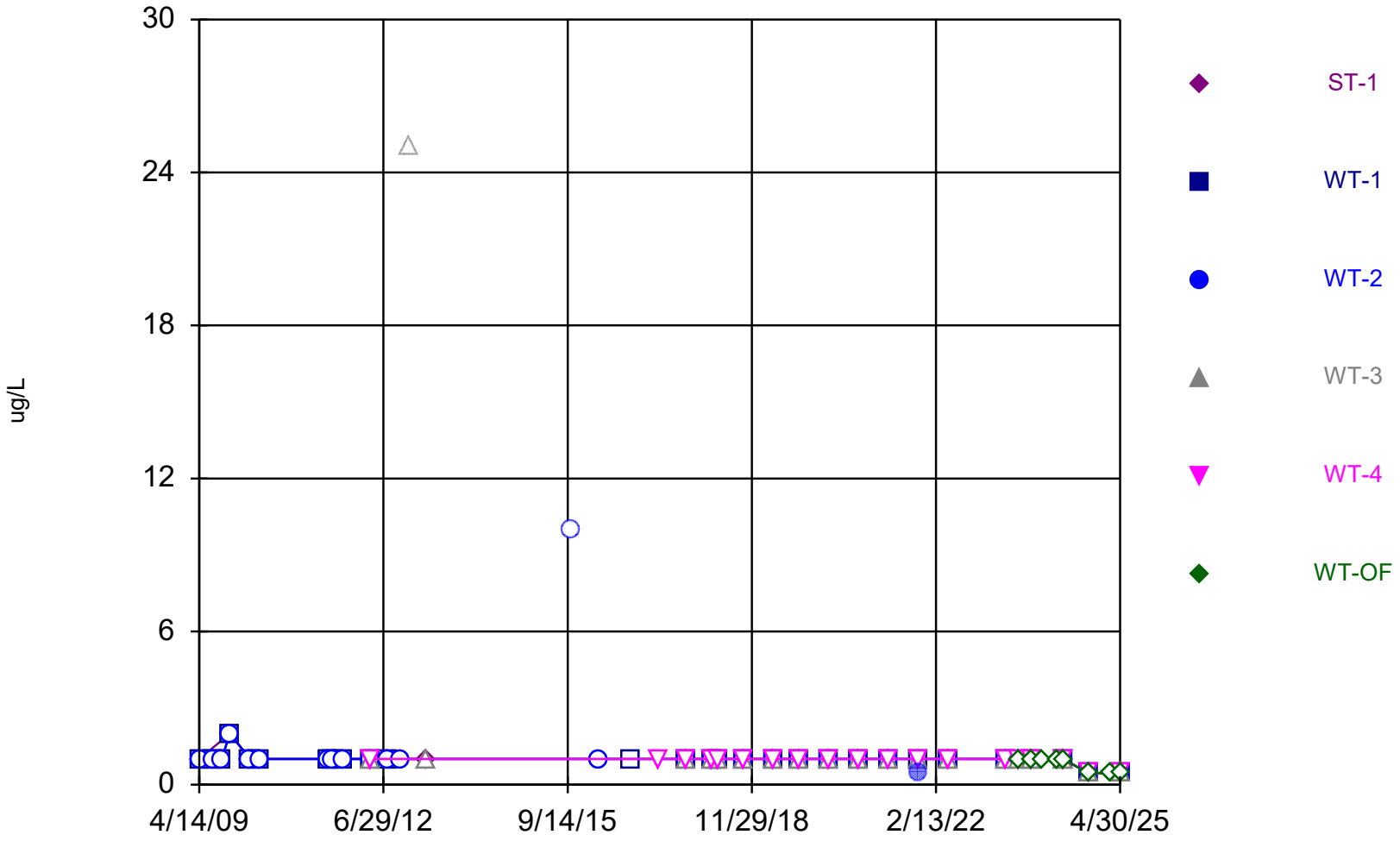
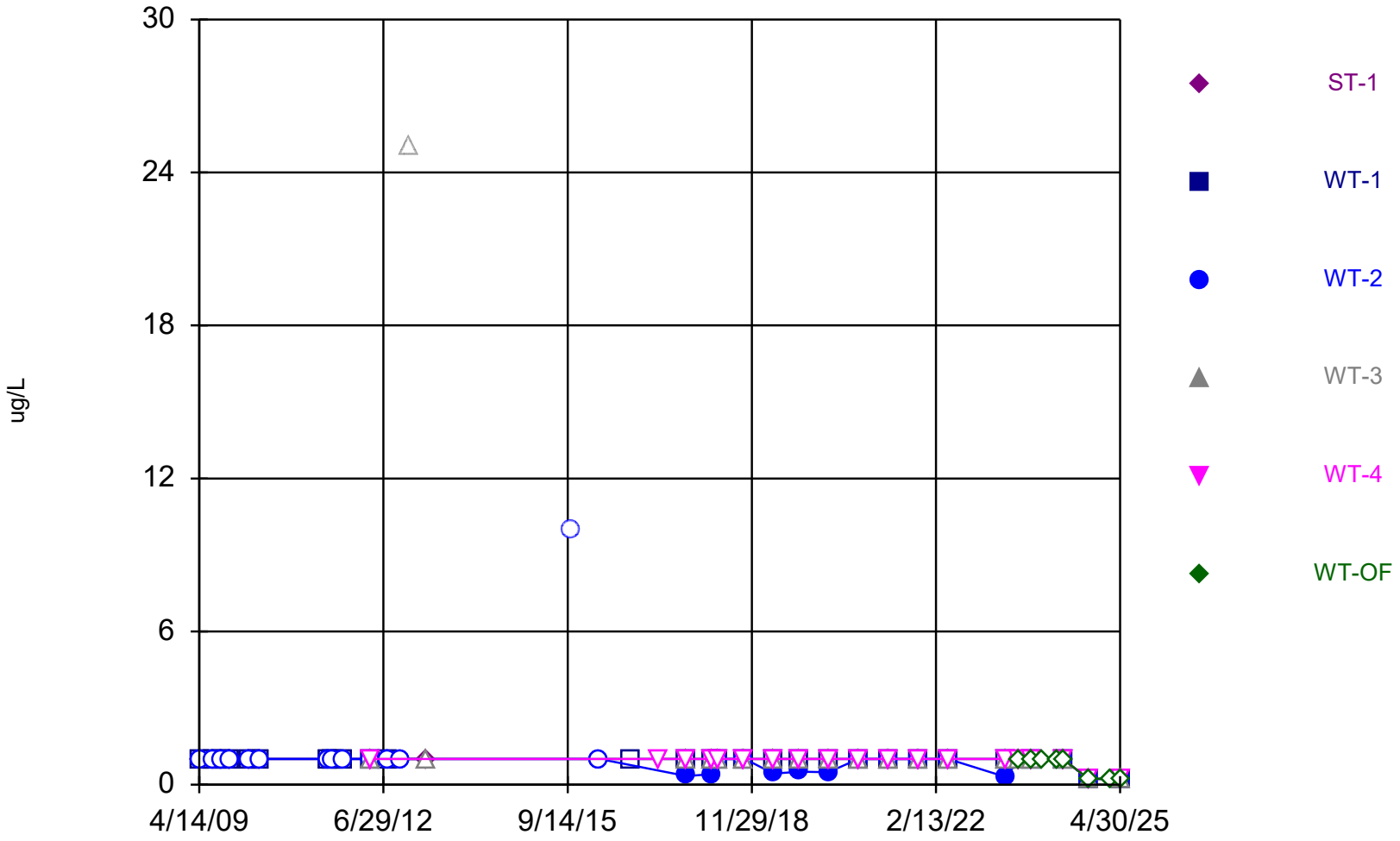


Constituent: 1,1,2-Trichloroethane Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

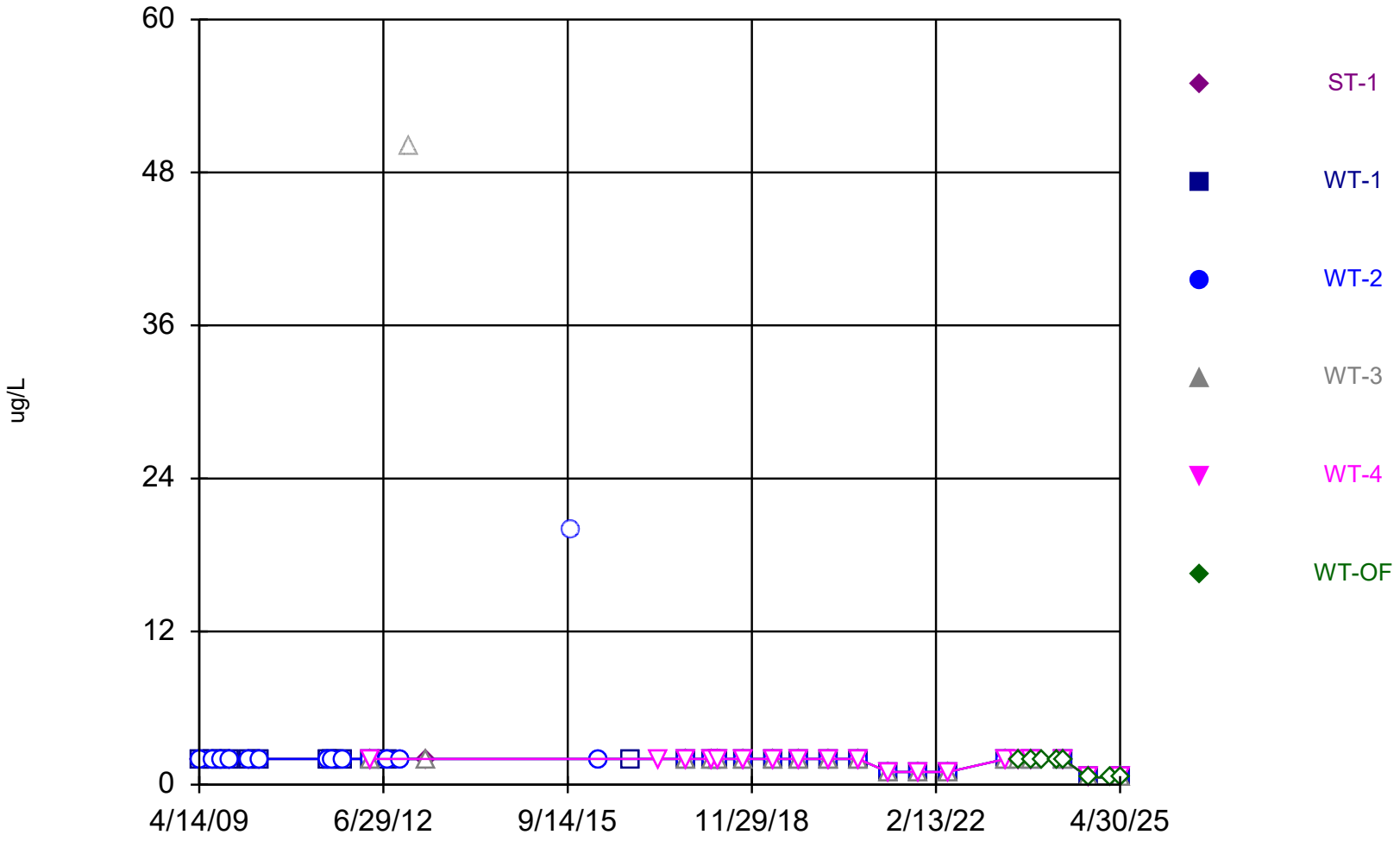


Constituent: 1,1-Dichloroethane Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

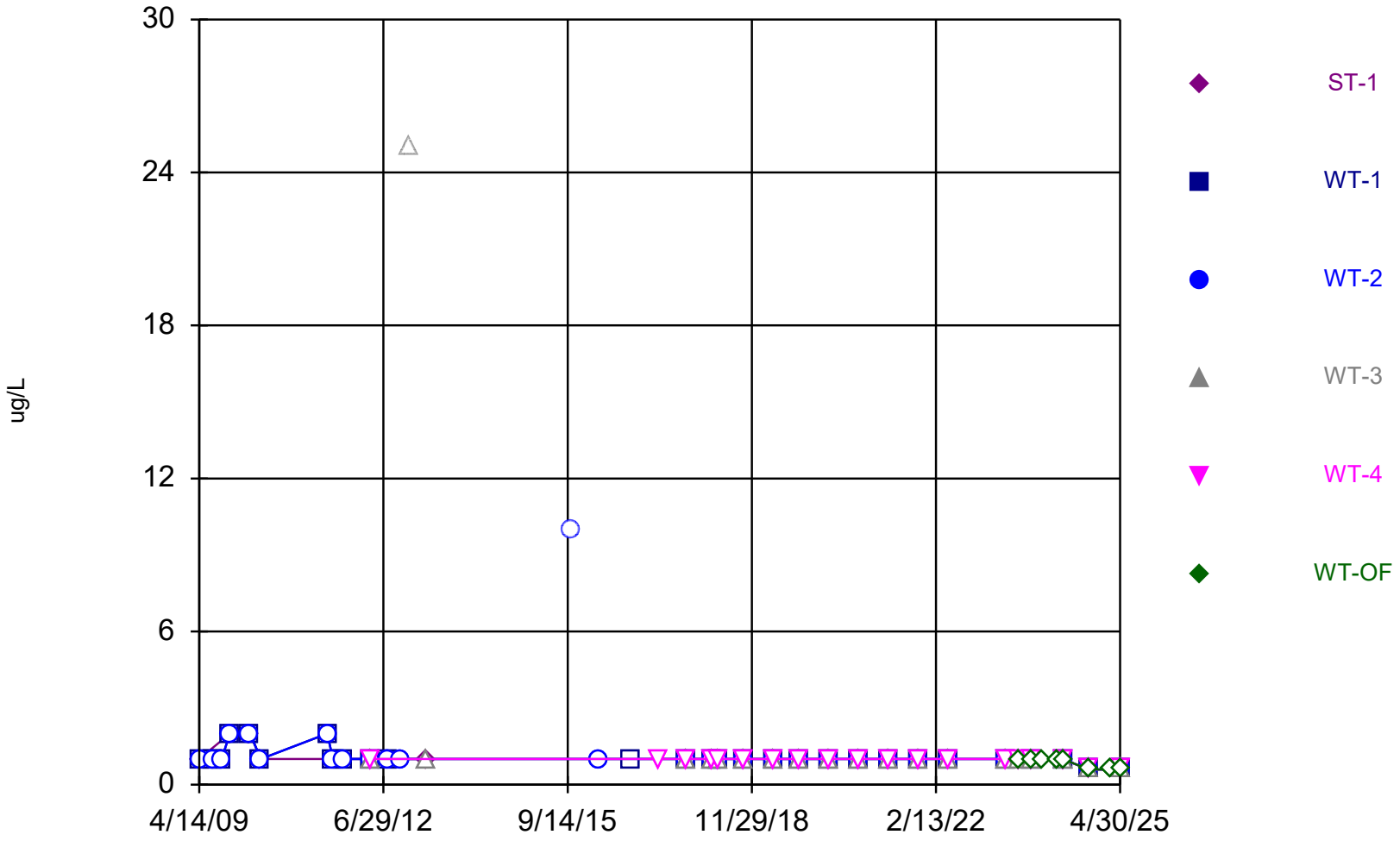


Constituent: 1,1-Dichloroethene Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

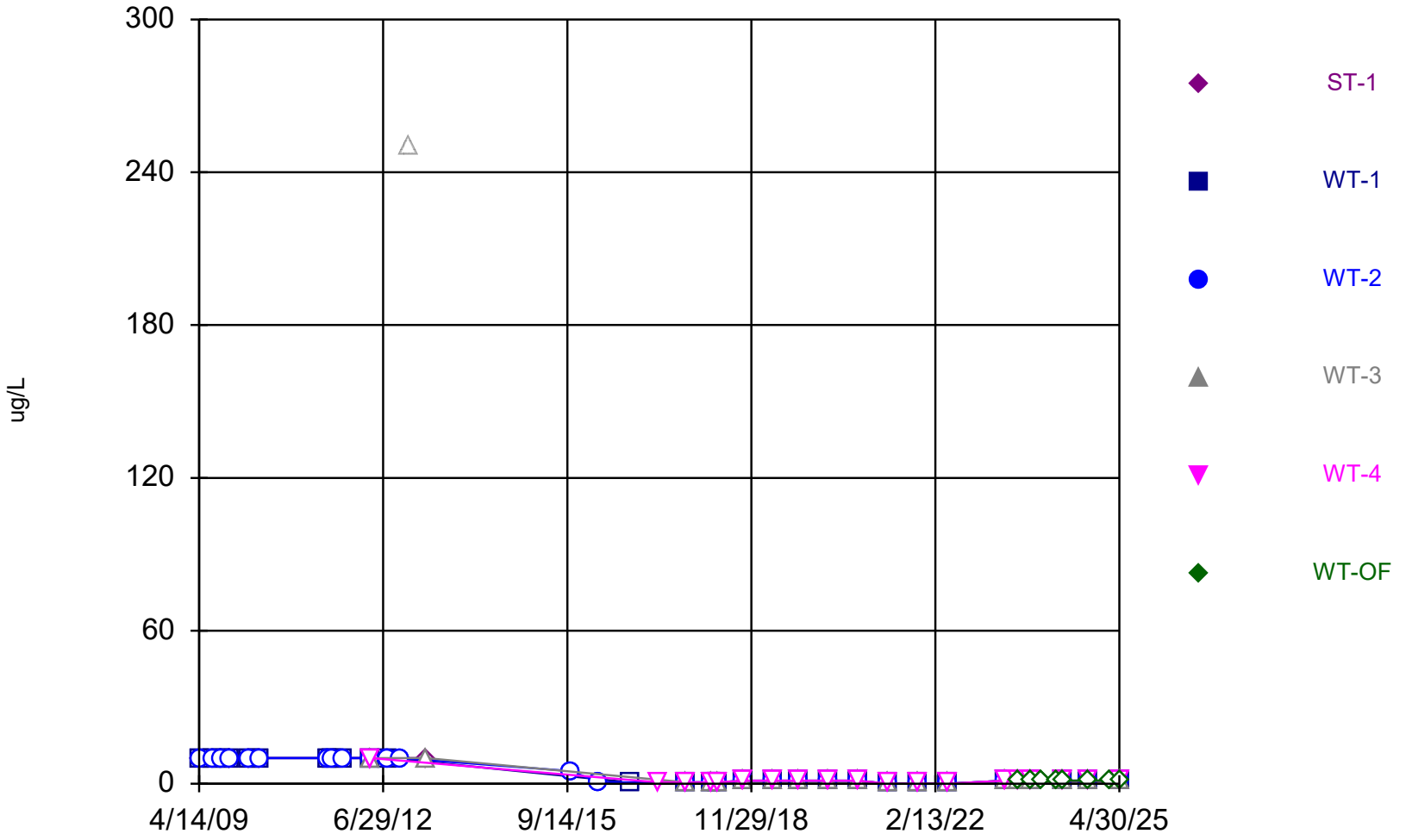


Constituent: 1,2,3-Trichloropropane Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

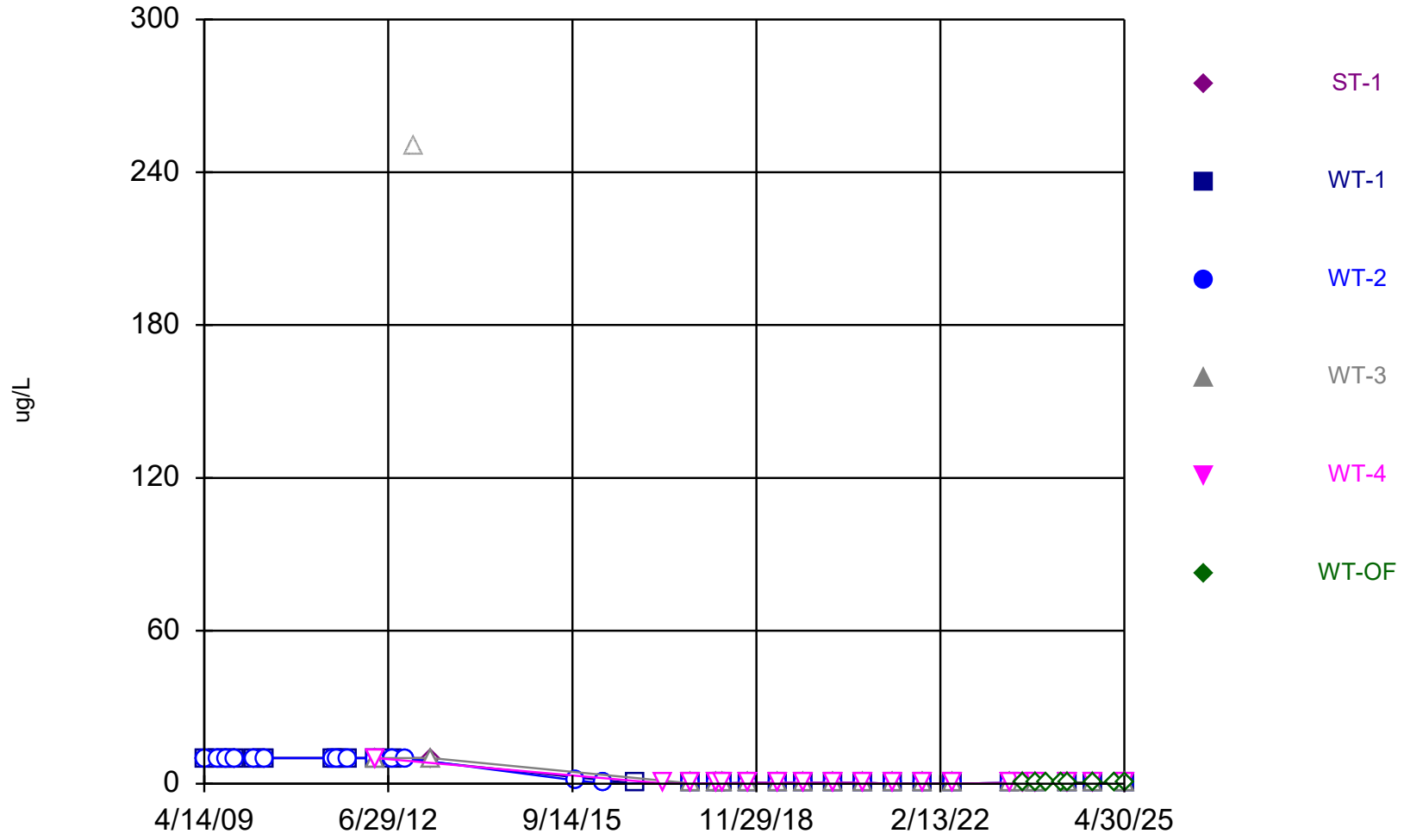


Constituent: 1,2-Dibromo-3-Chloropropane Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

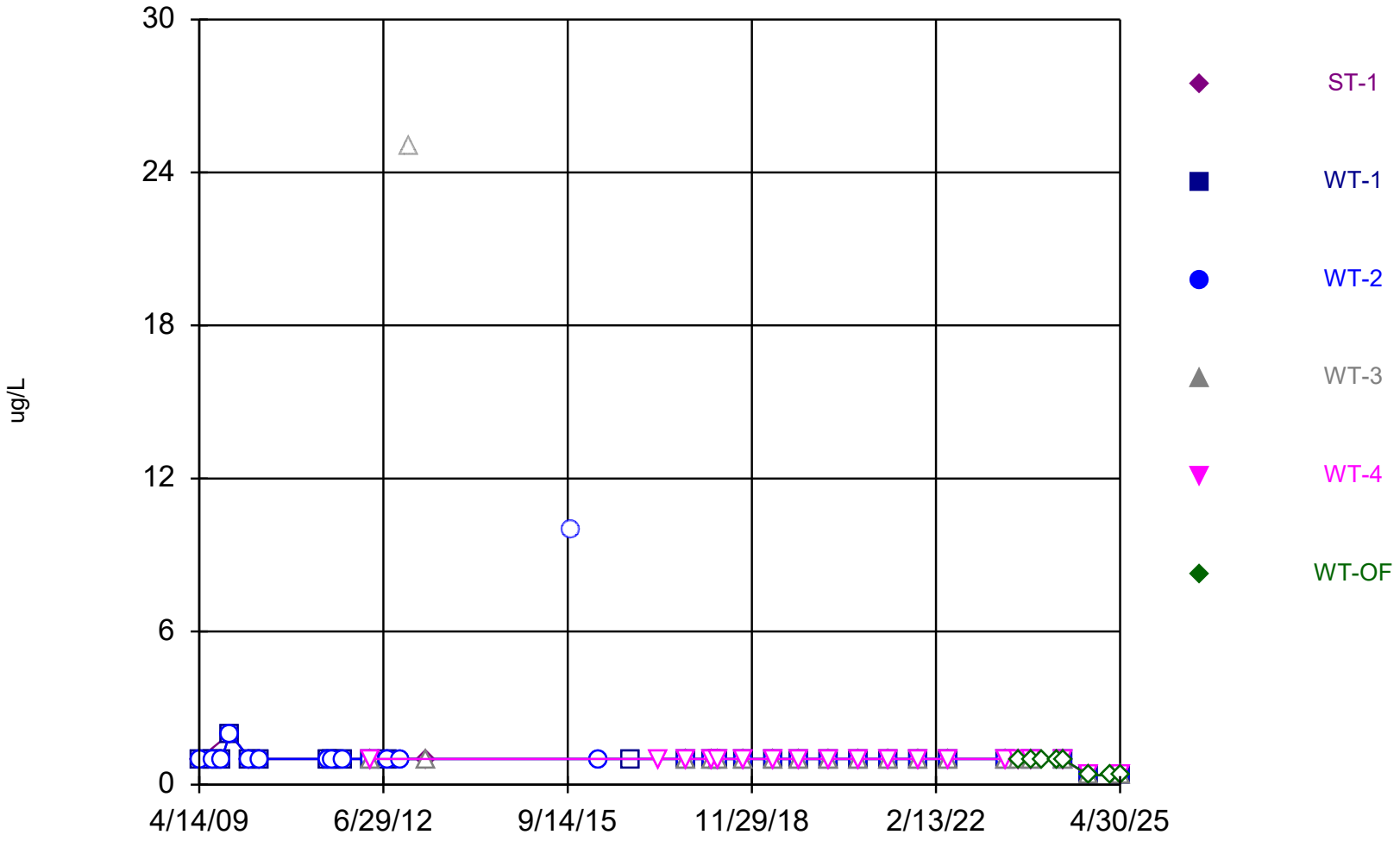


Constituent: 1,2-Dibromoethane [EDB] Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

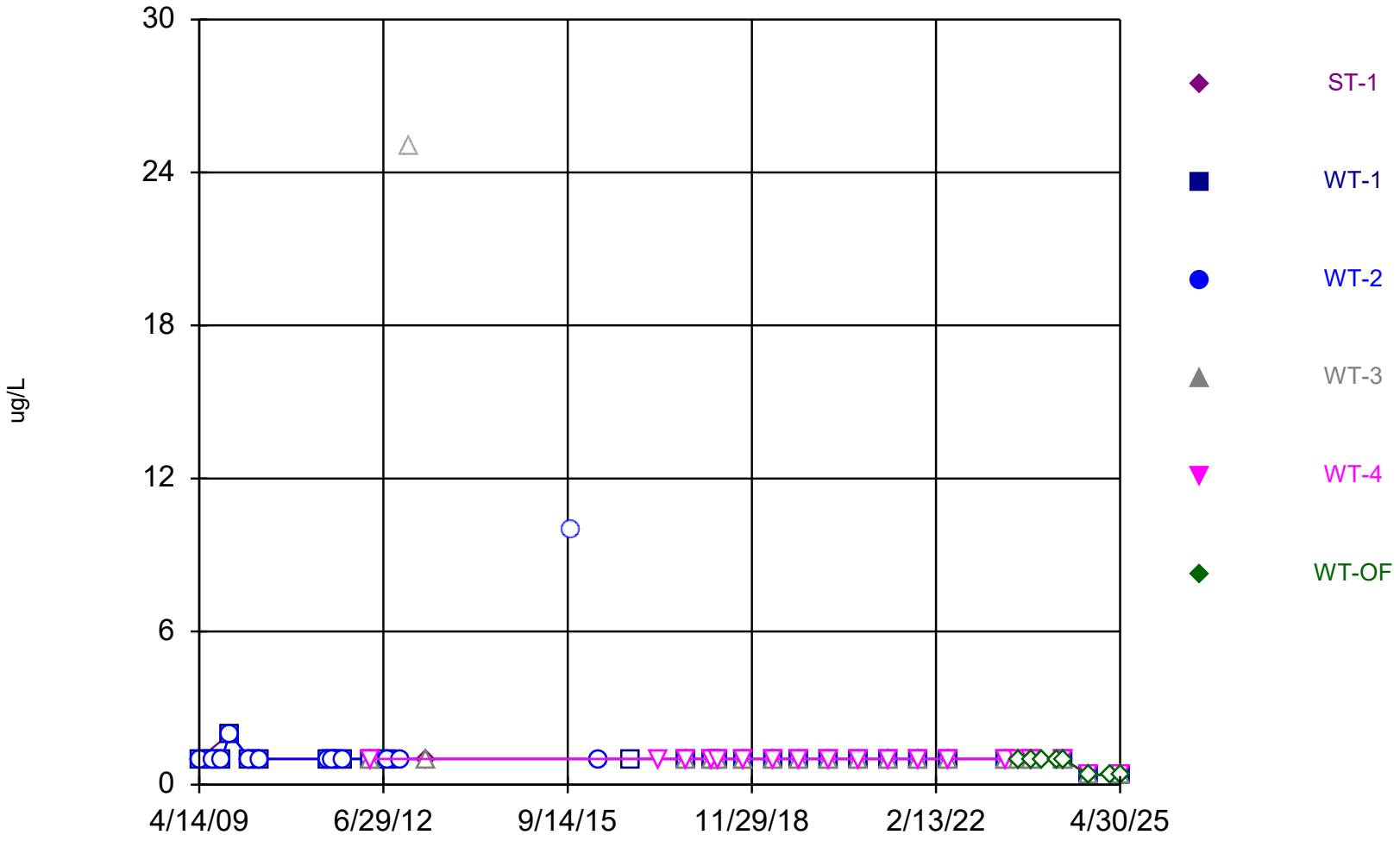


Constituent: 1,2-Dichlorobenzene Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

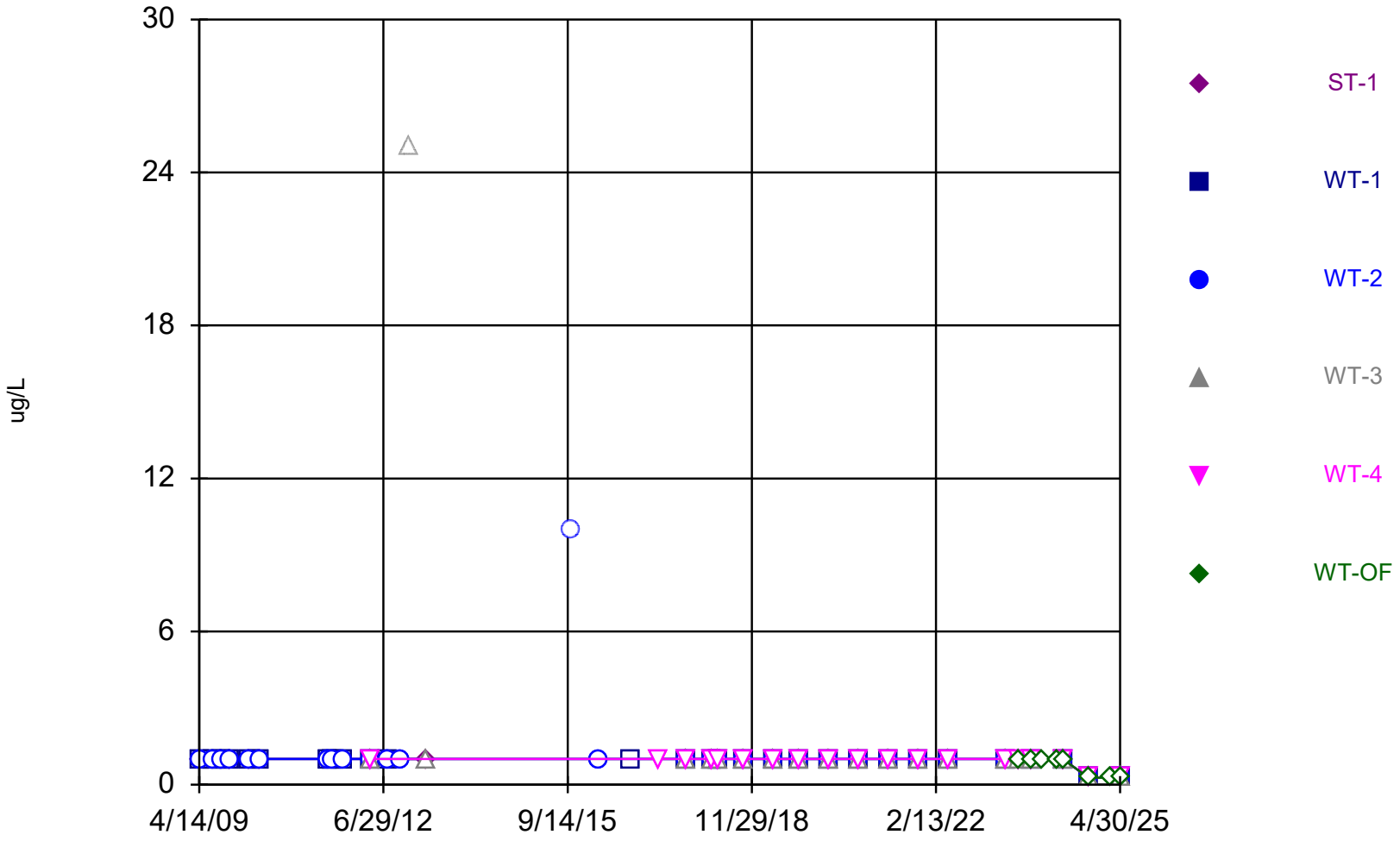


Constituent: 1,2-Dichloroethane Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

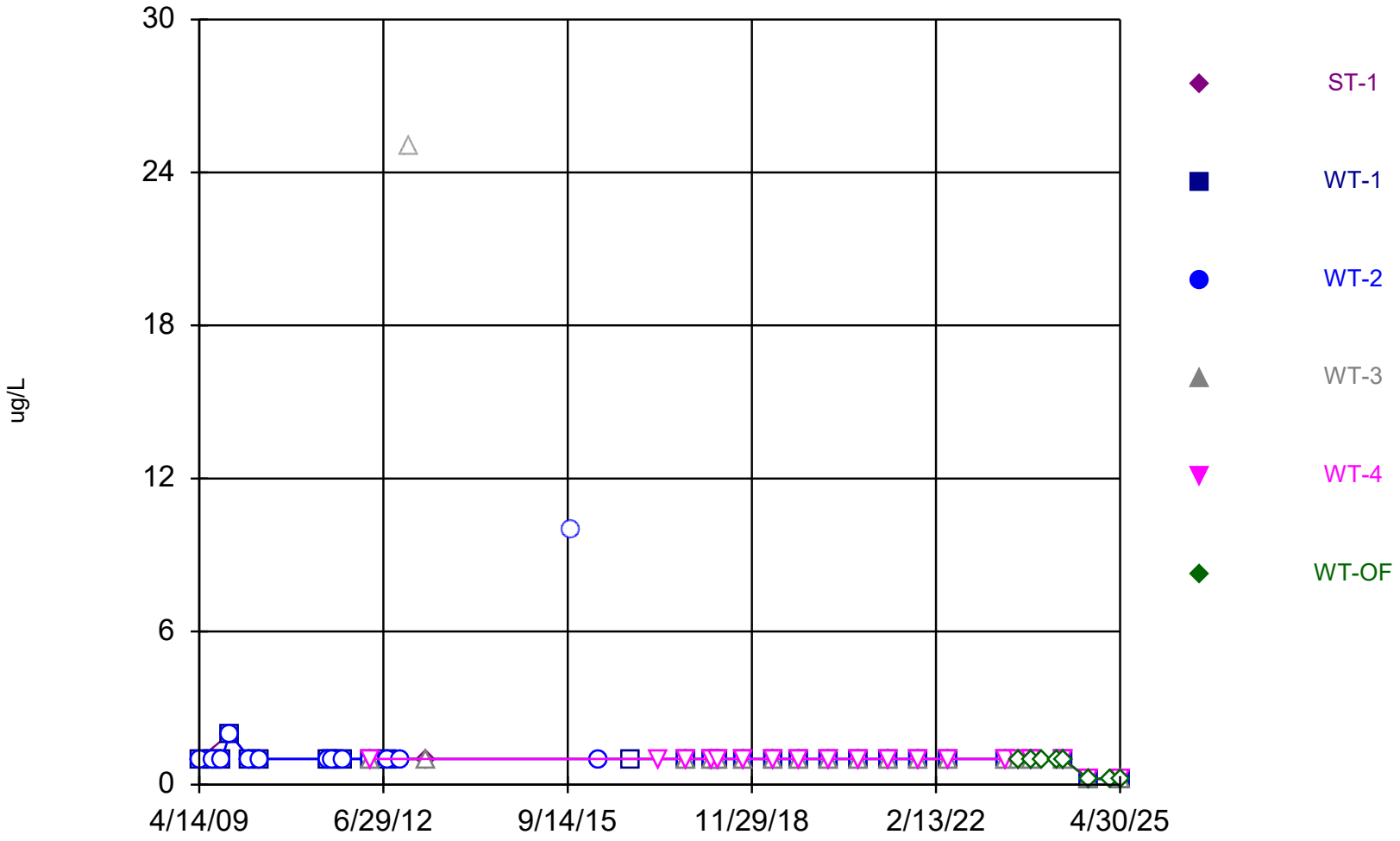


Constituent: 1,2-Dichloropropane Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

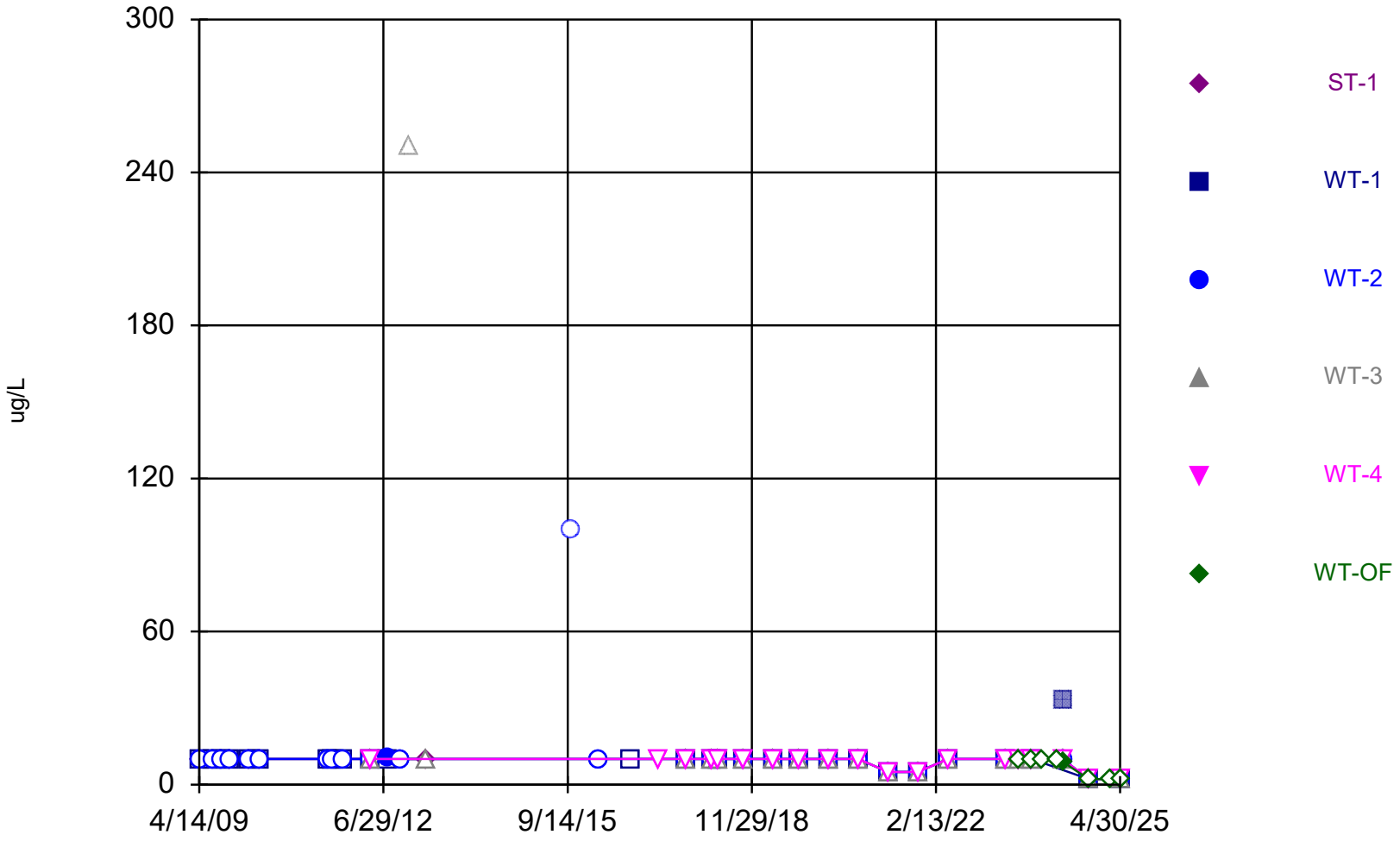


Constituent: 1,4-Dichlorobenzene Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

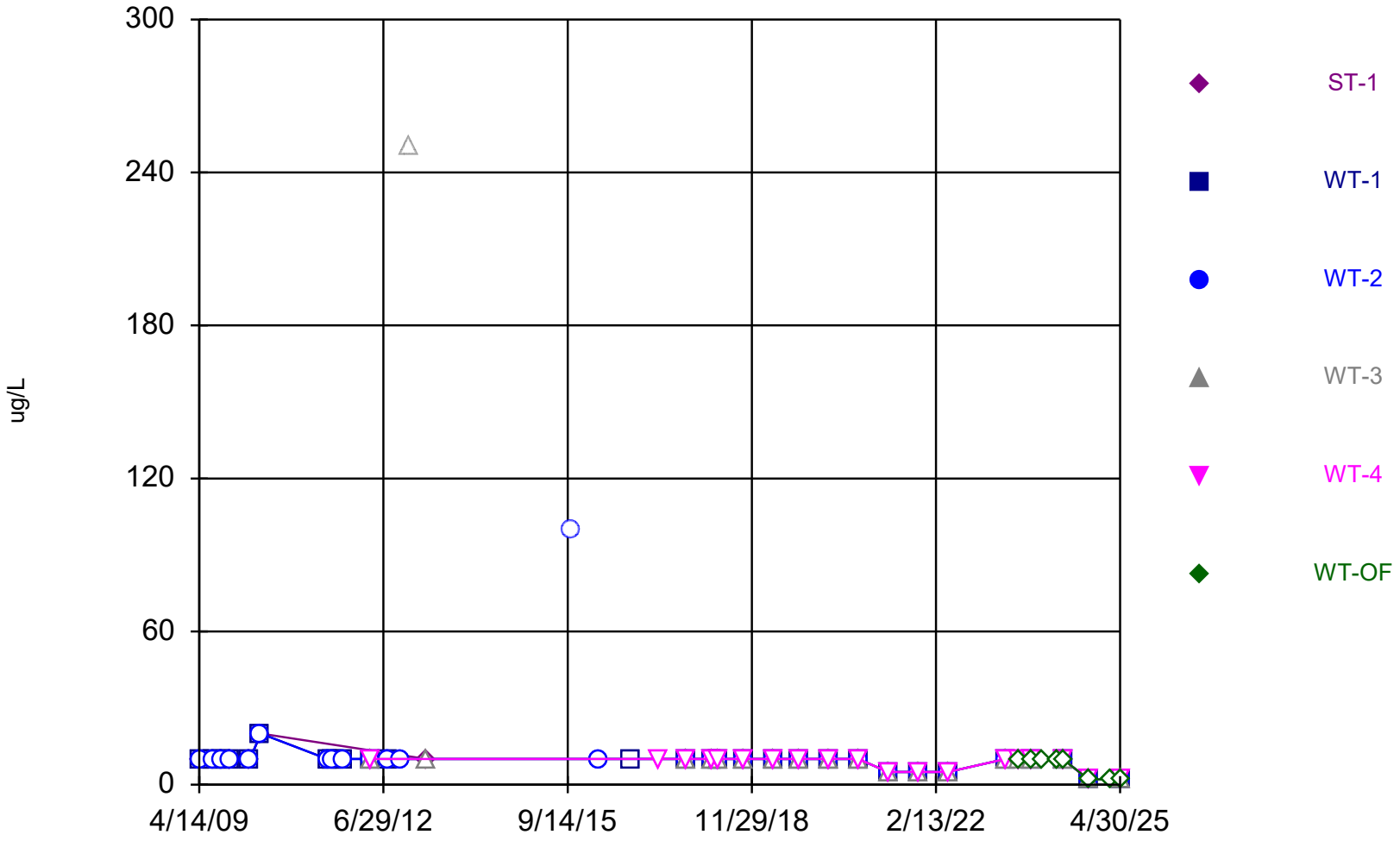


Constituent: 2-Butanone [MEK] Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

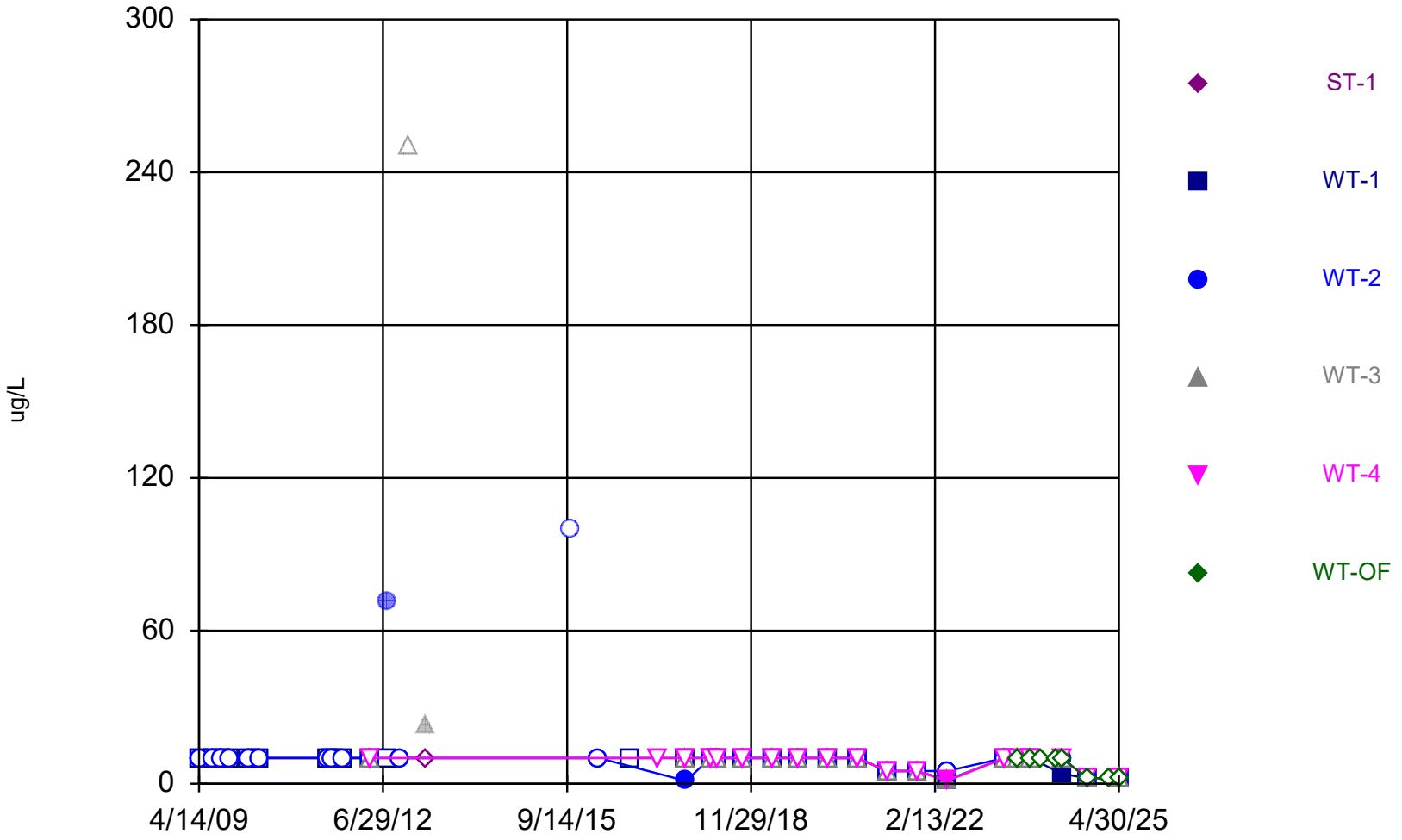


Constituent: 2-Hexanone Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

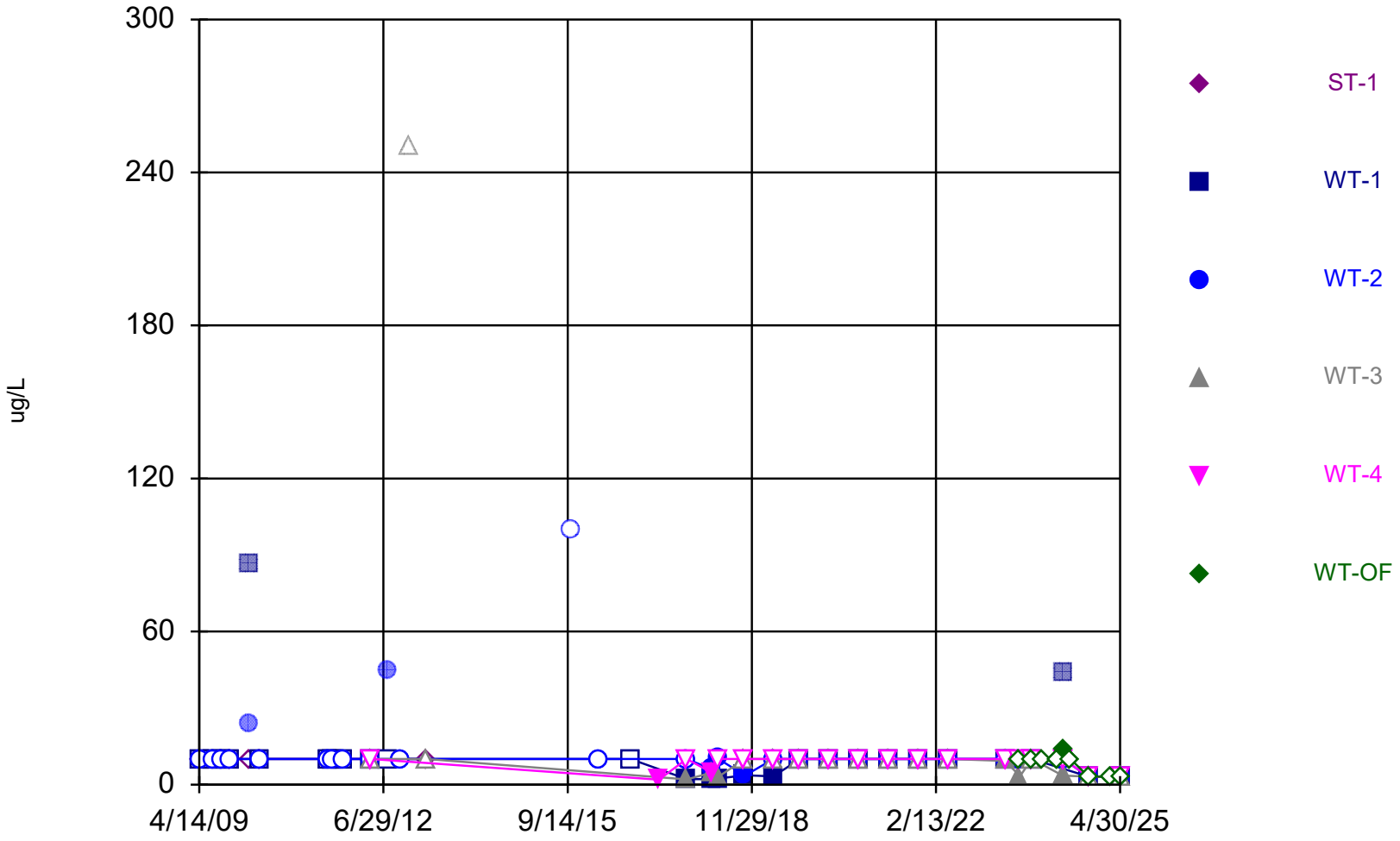


Constituent: 4-Methyl-2-pentanone [MIBK] Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

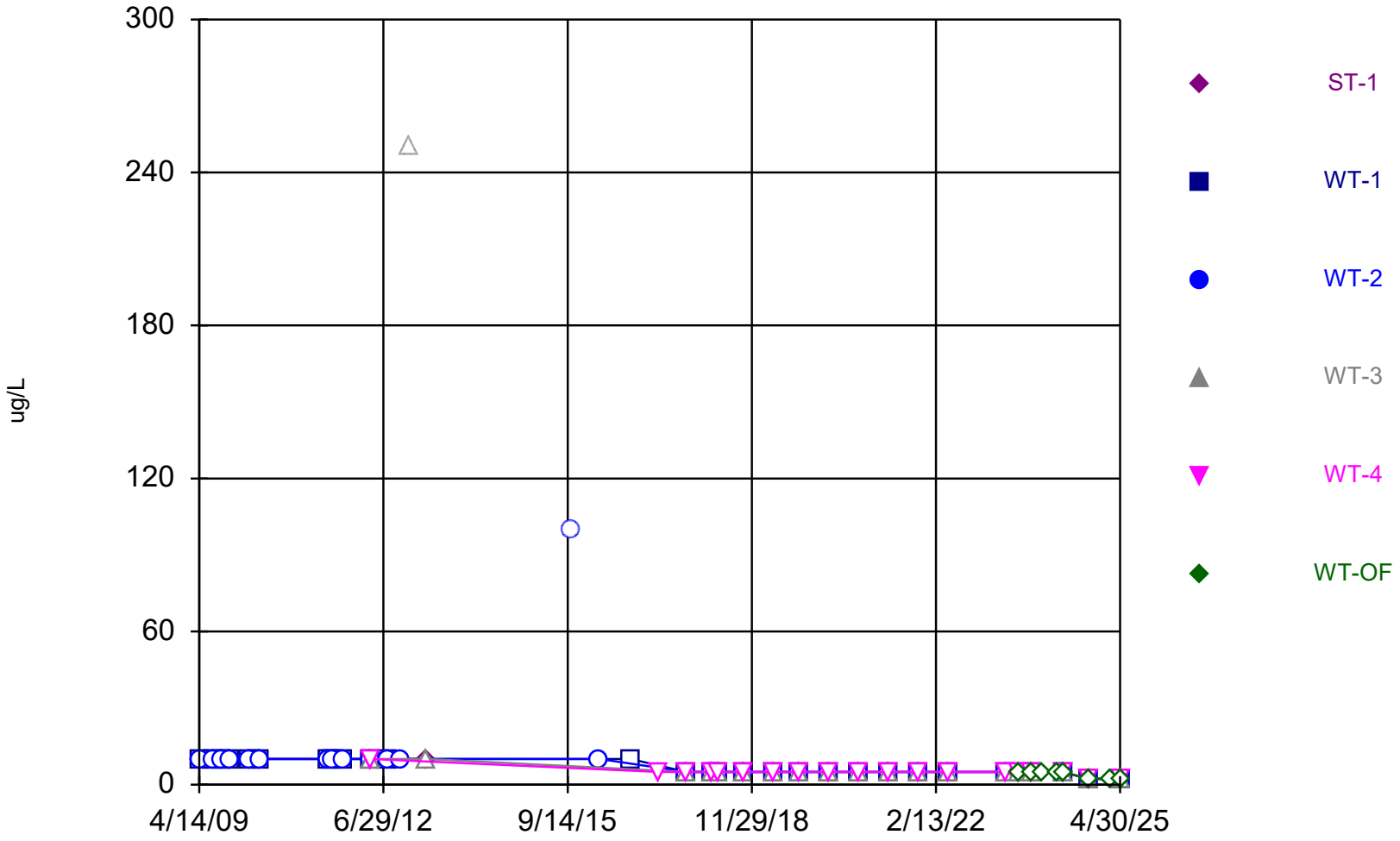


Constituent: Acetone Analysis Run 7/13/2025 10:34 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

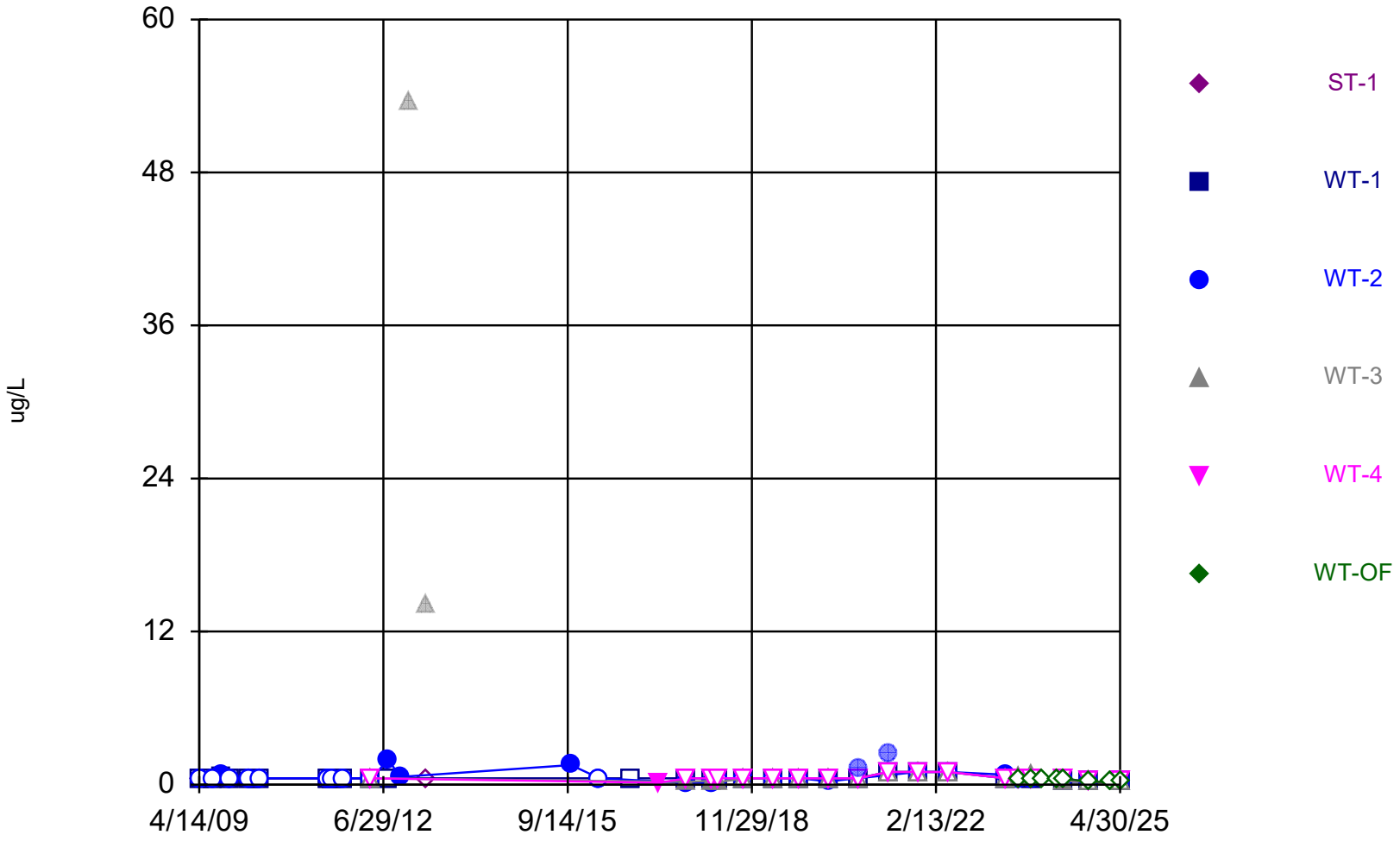


Constituent: Acrylonitrile Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

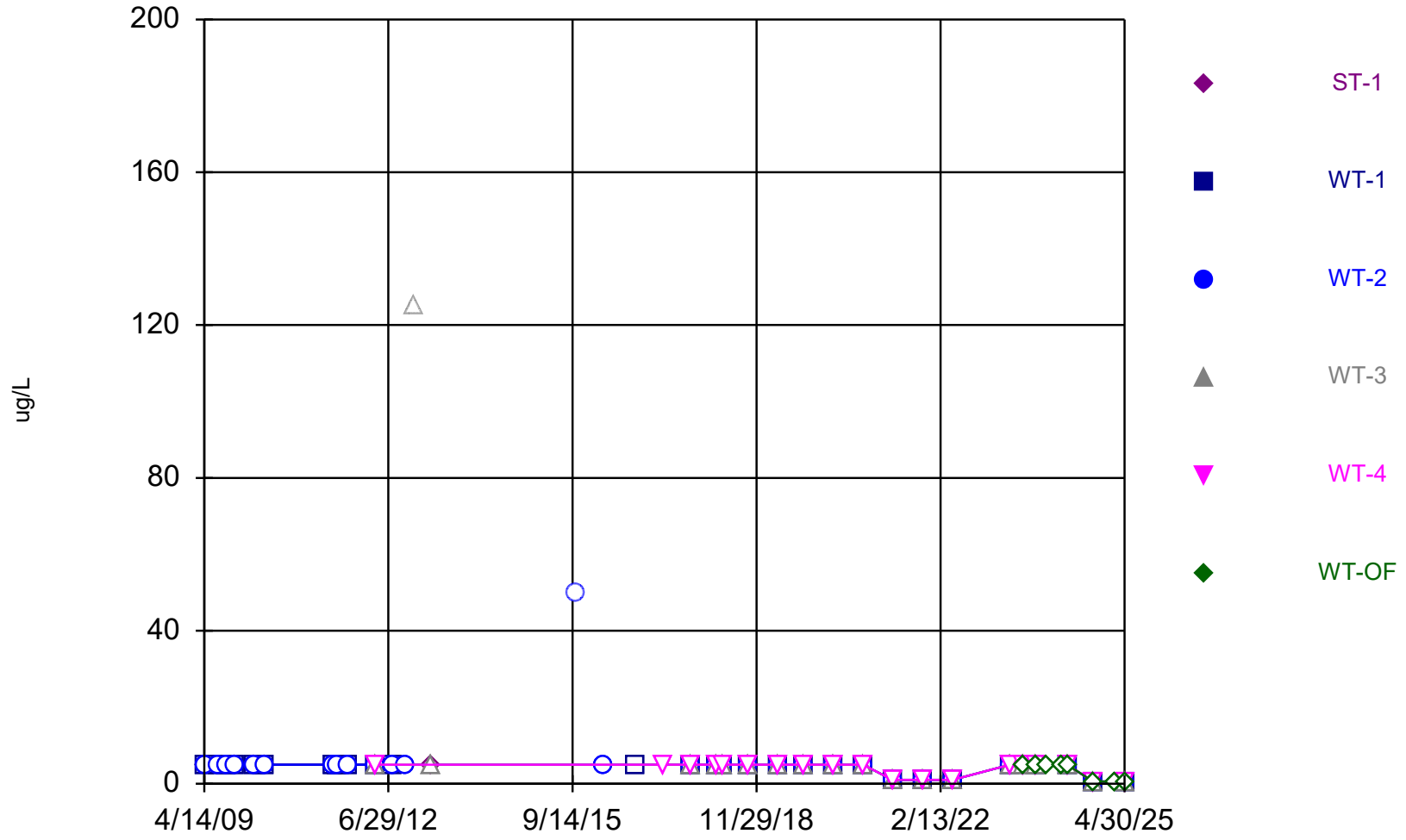


Constituent: Benzene Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

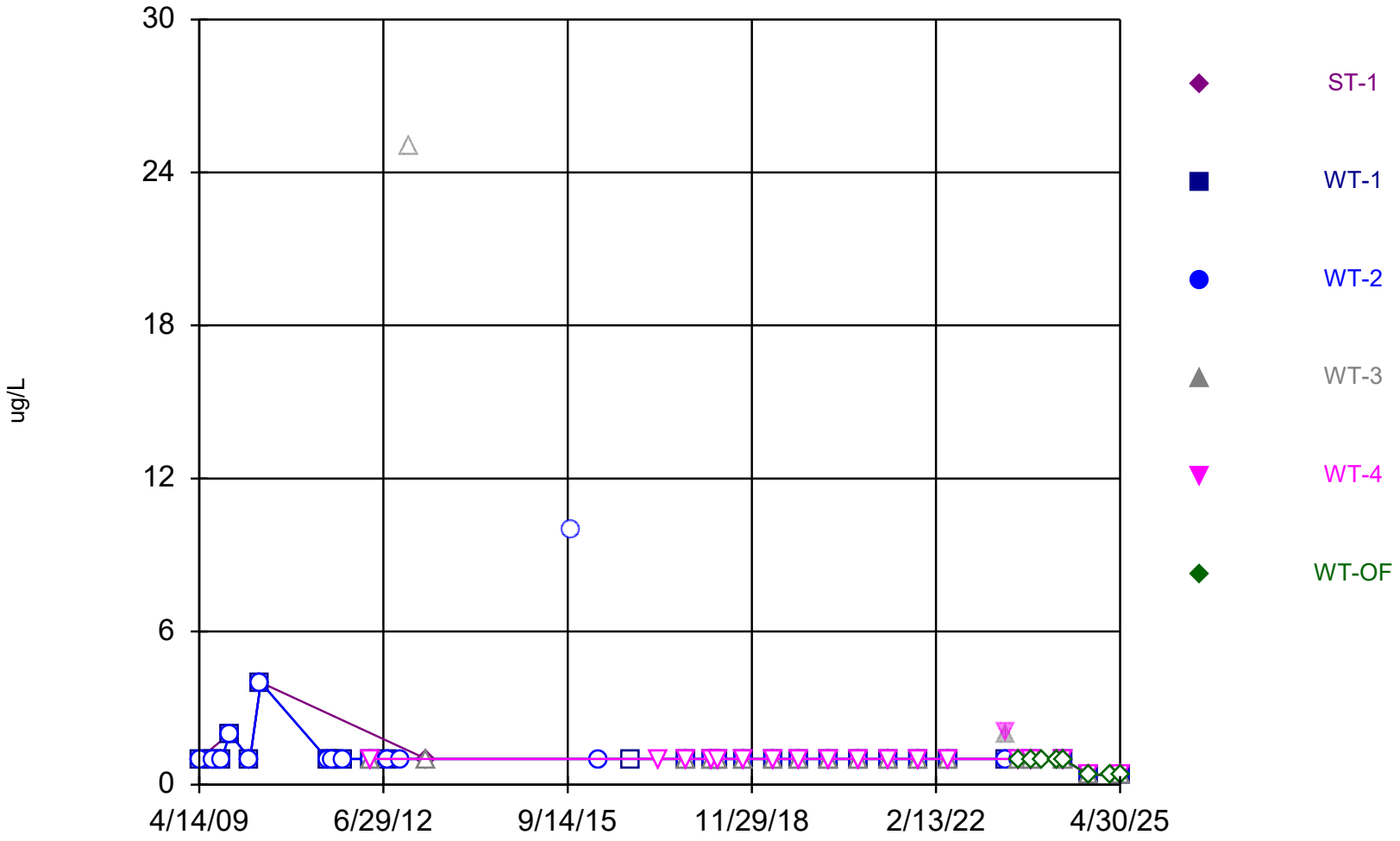


Constituent: Bromochloromethane Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

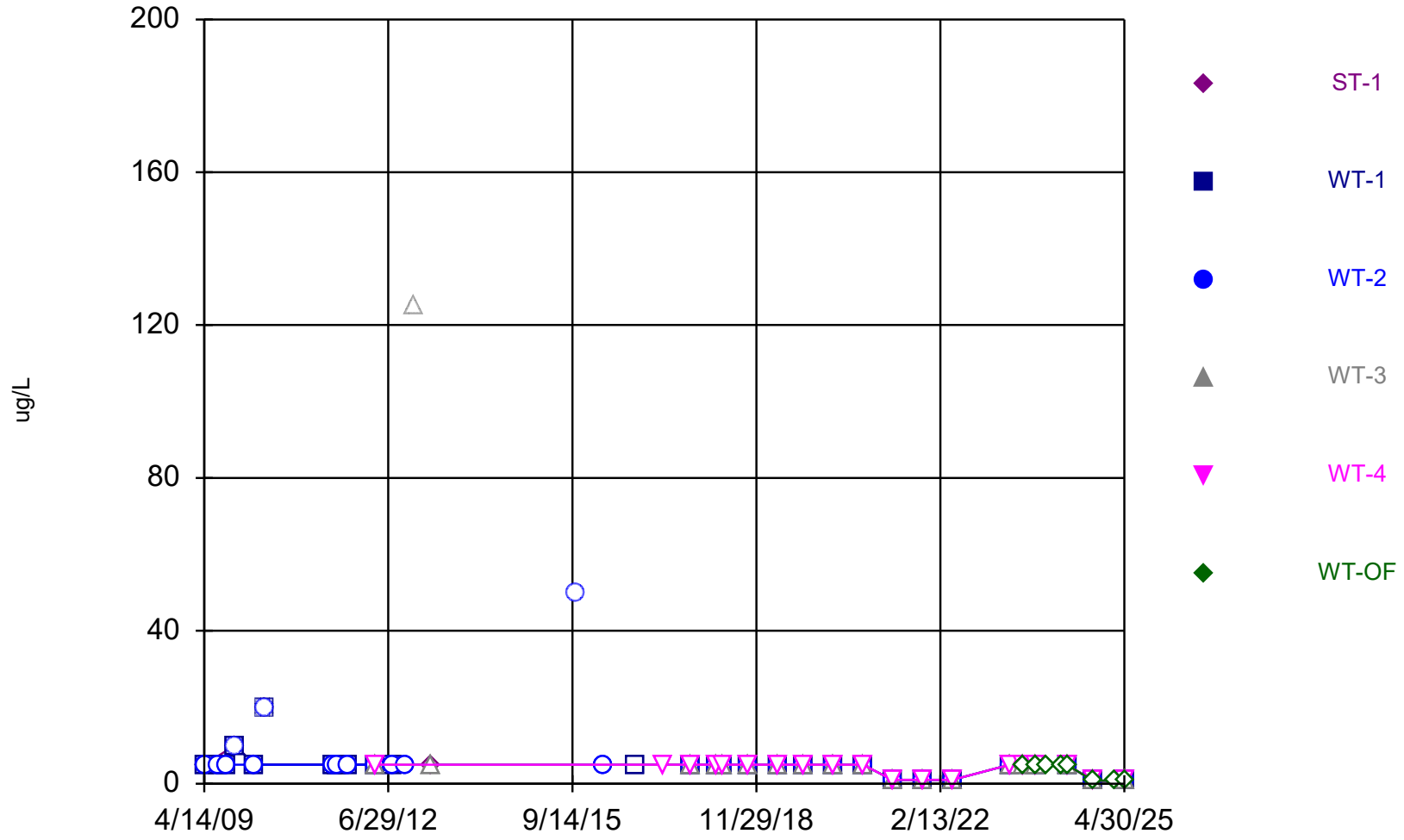


Constituent: Bromodichloromethane Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

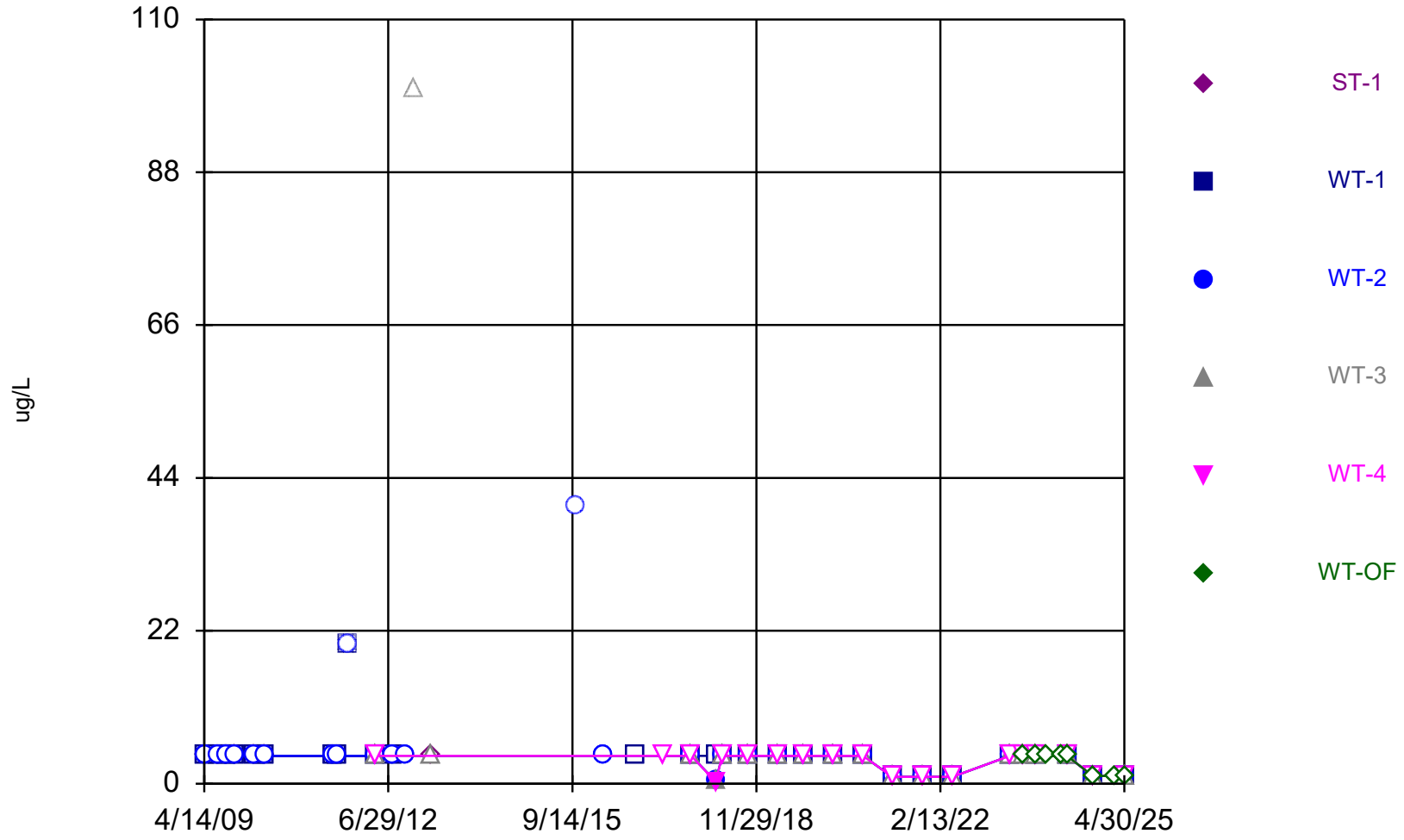


Constituent: Bromoform Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

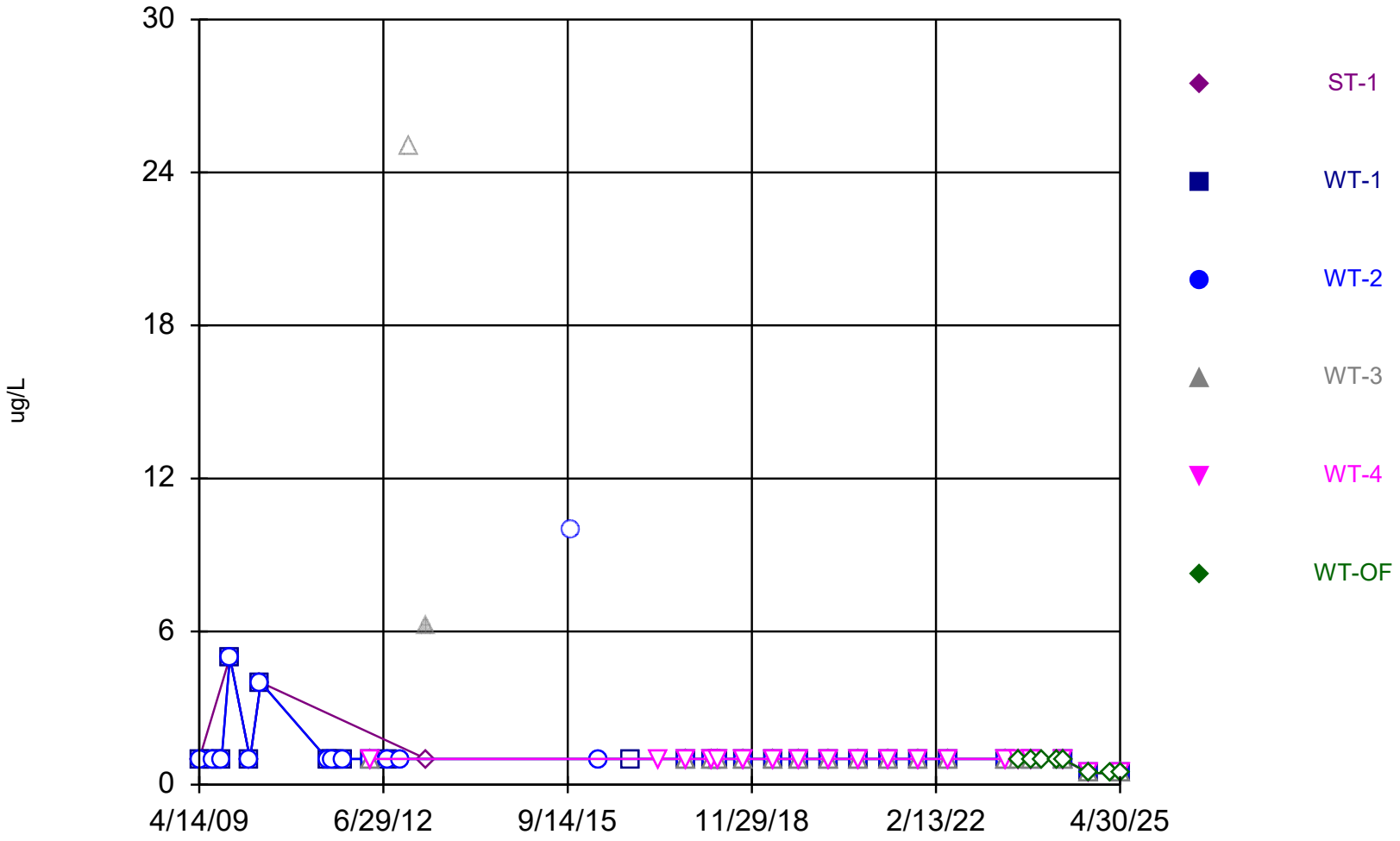


Constituent: Bromomethane Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

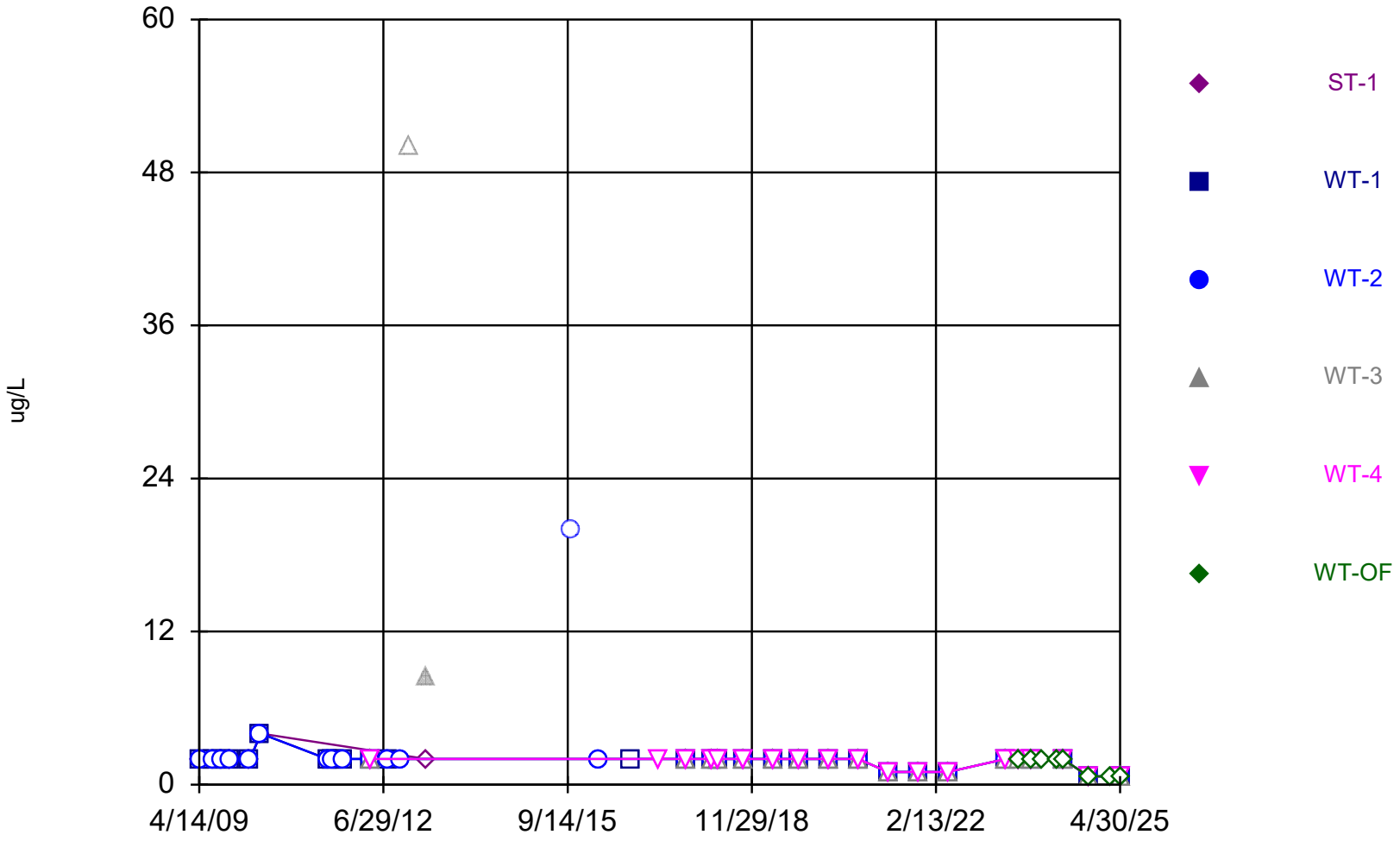


Constituent: Carbon Disulfide Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

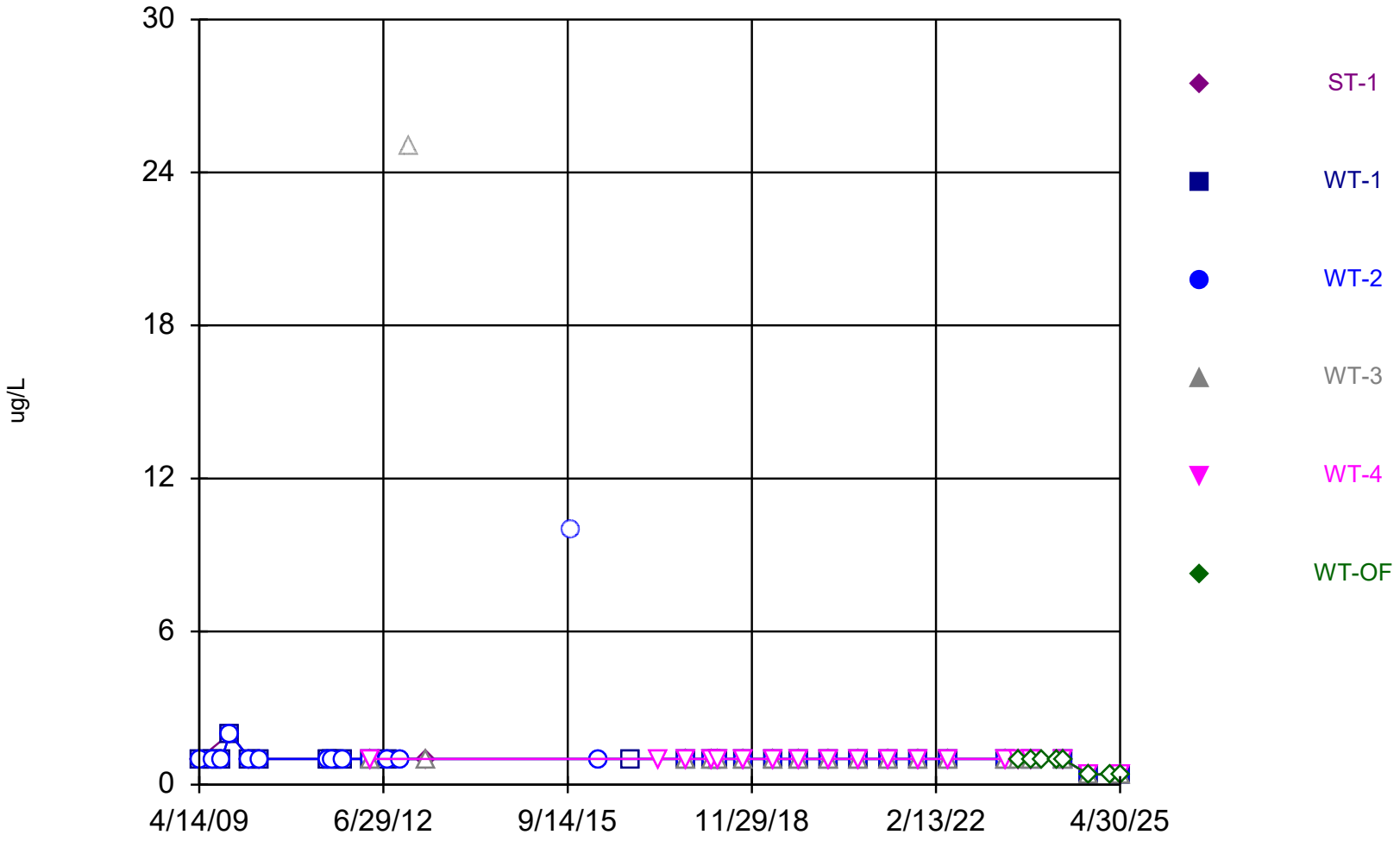


Constituent: Carbon Tetrachloride Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

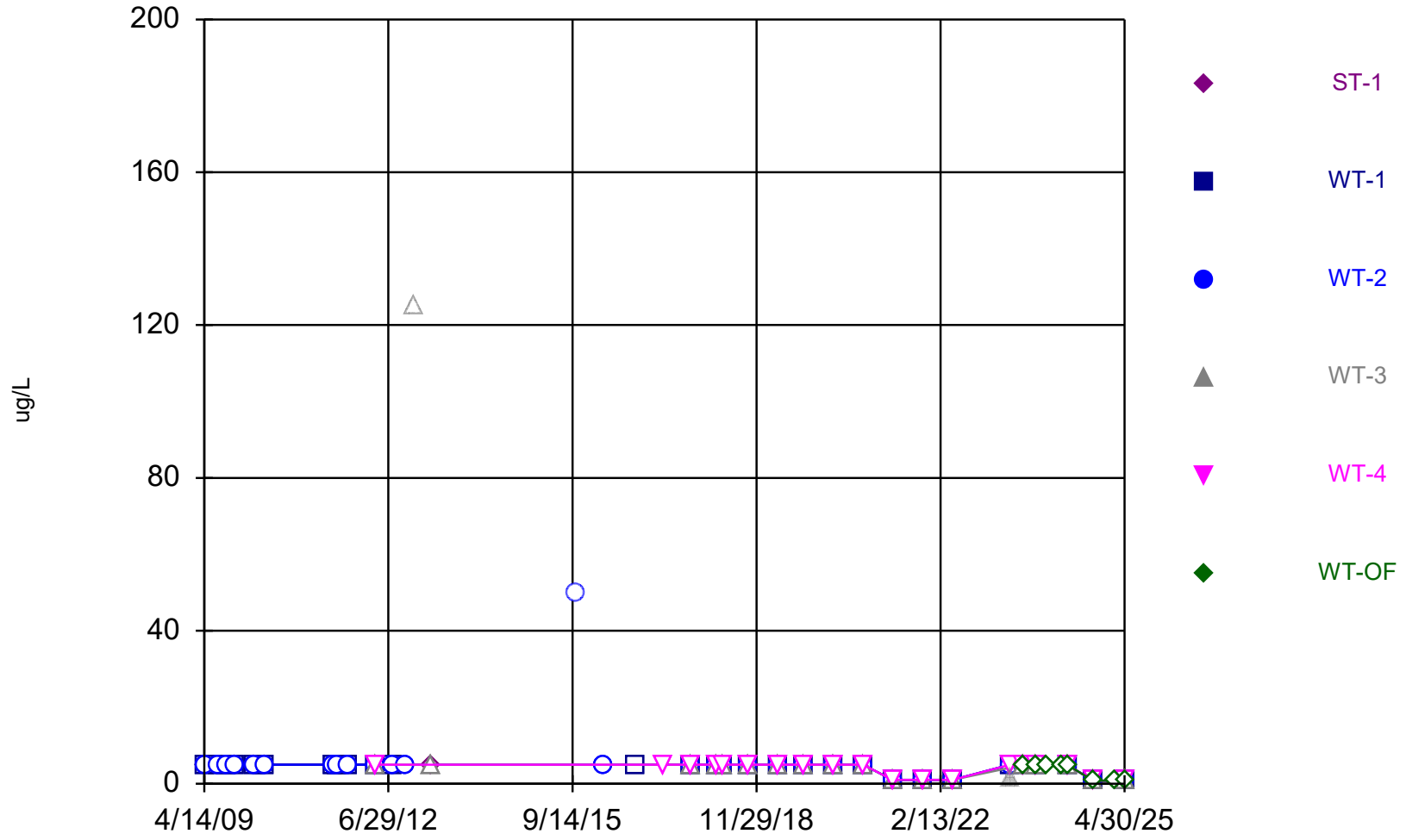


Constituent: Chlorobenzene Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

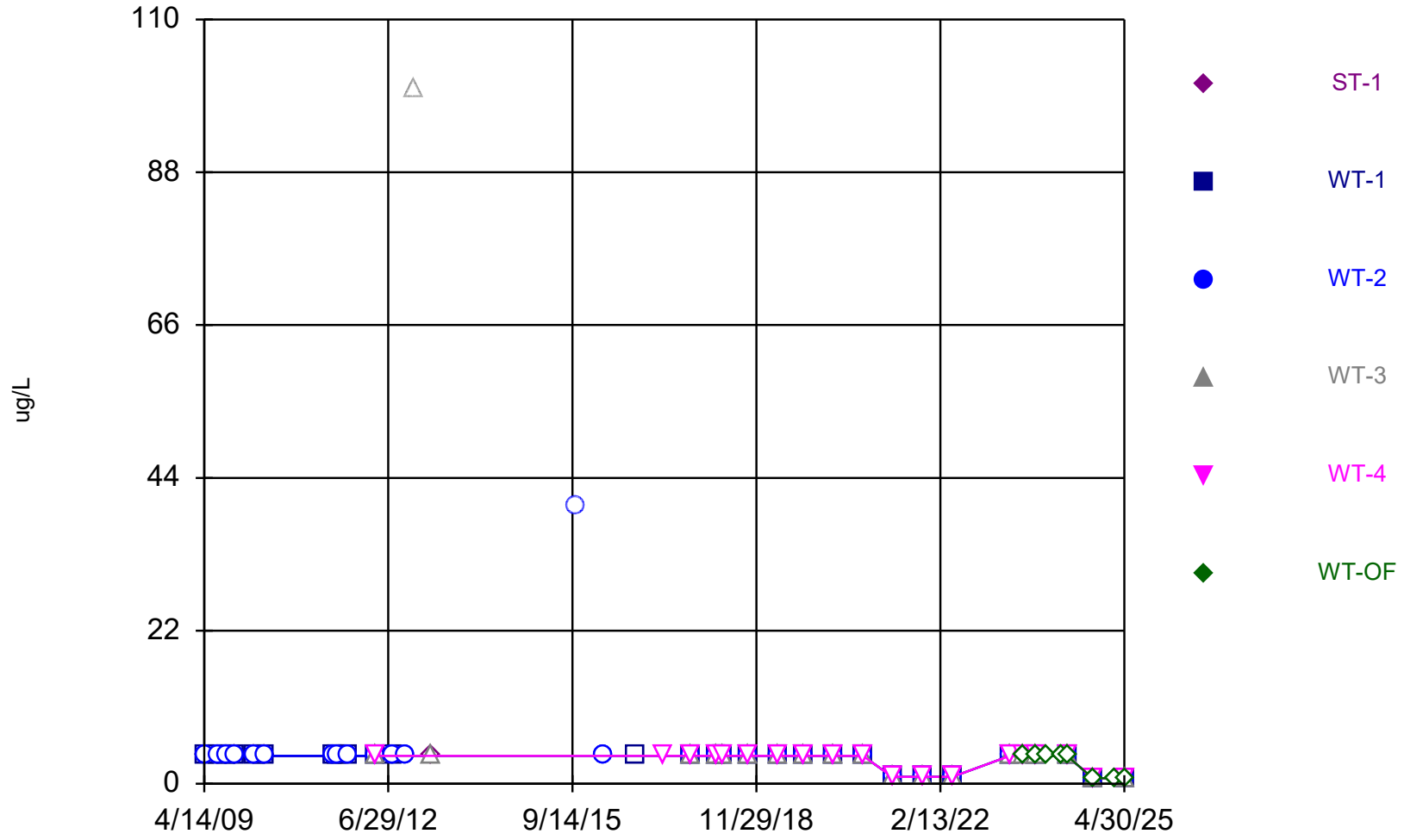


Constituent: Chlorodibromomethane Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

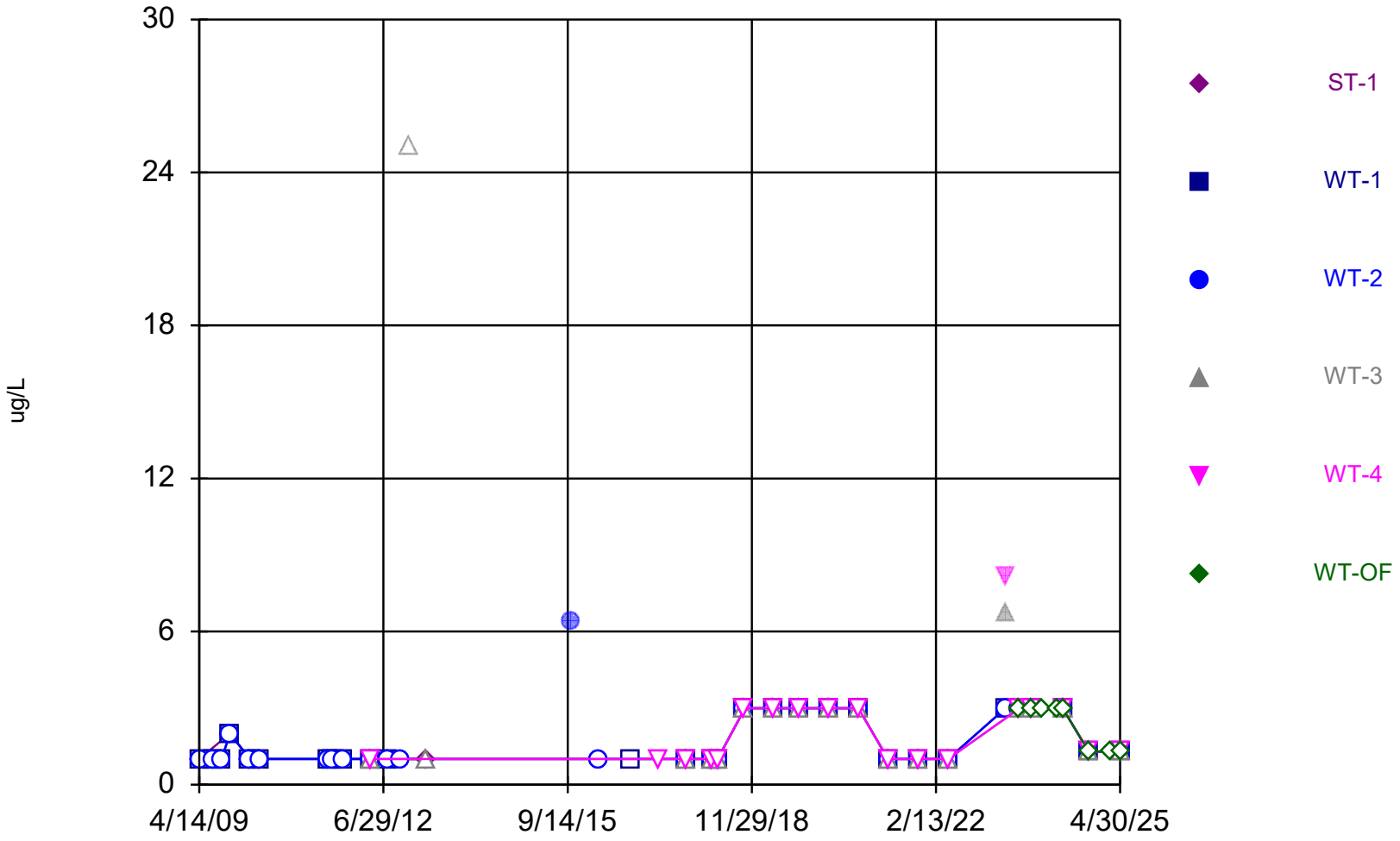


Constituent: Chloroethane Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

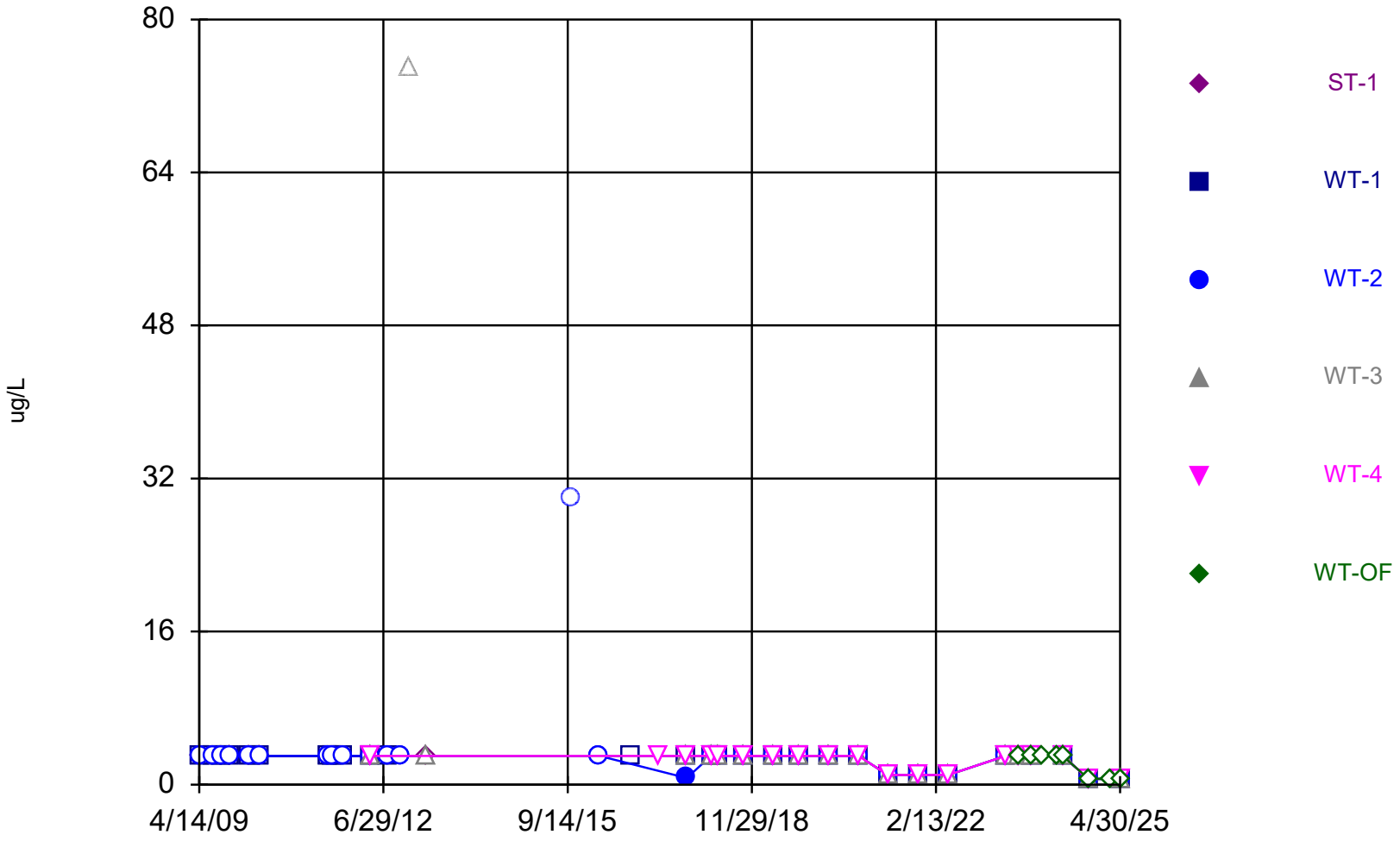


Constituent: Chloroform Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

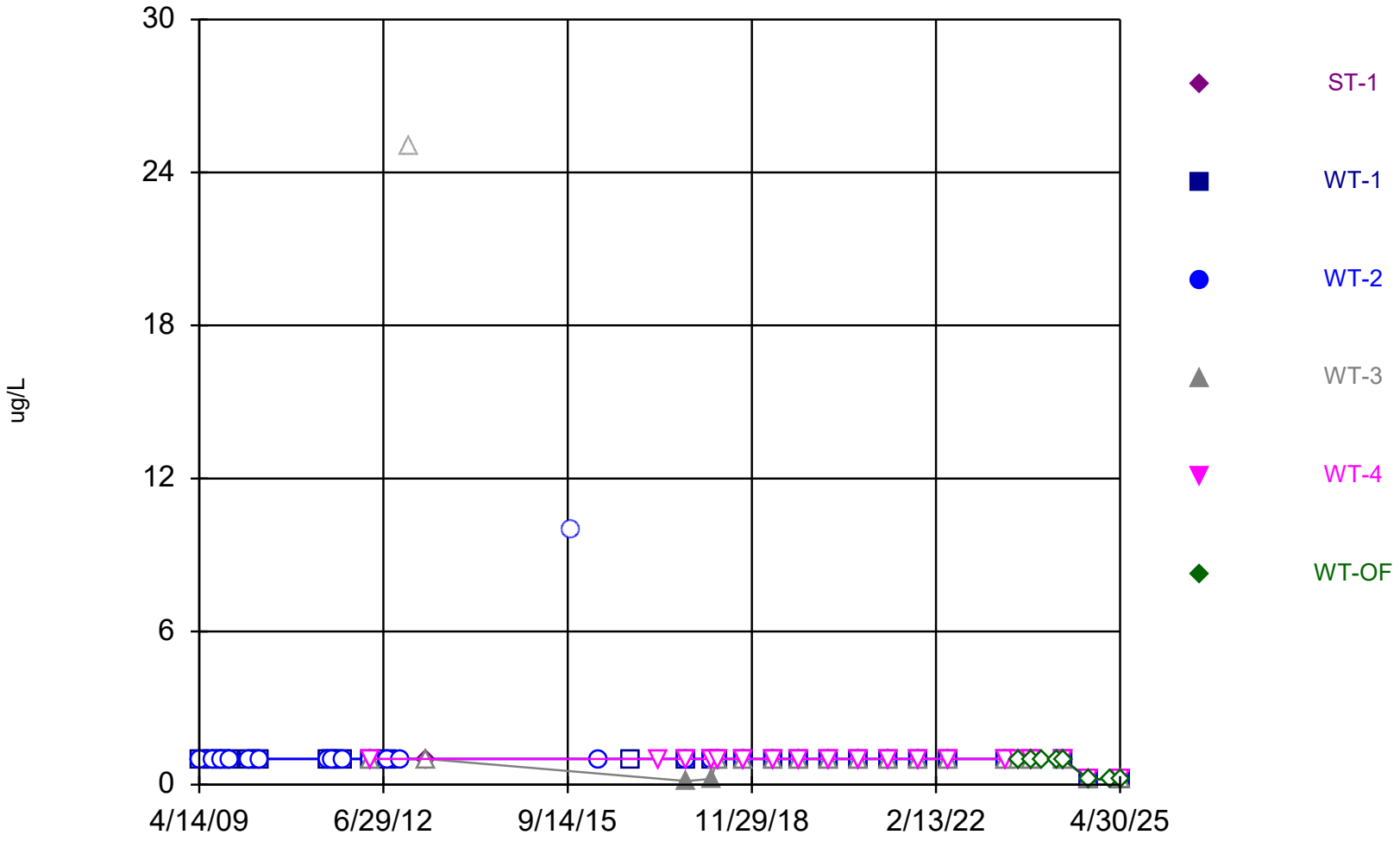


Constituent: Chloromethane Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

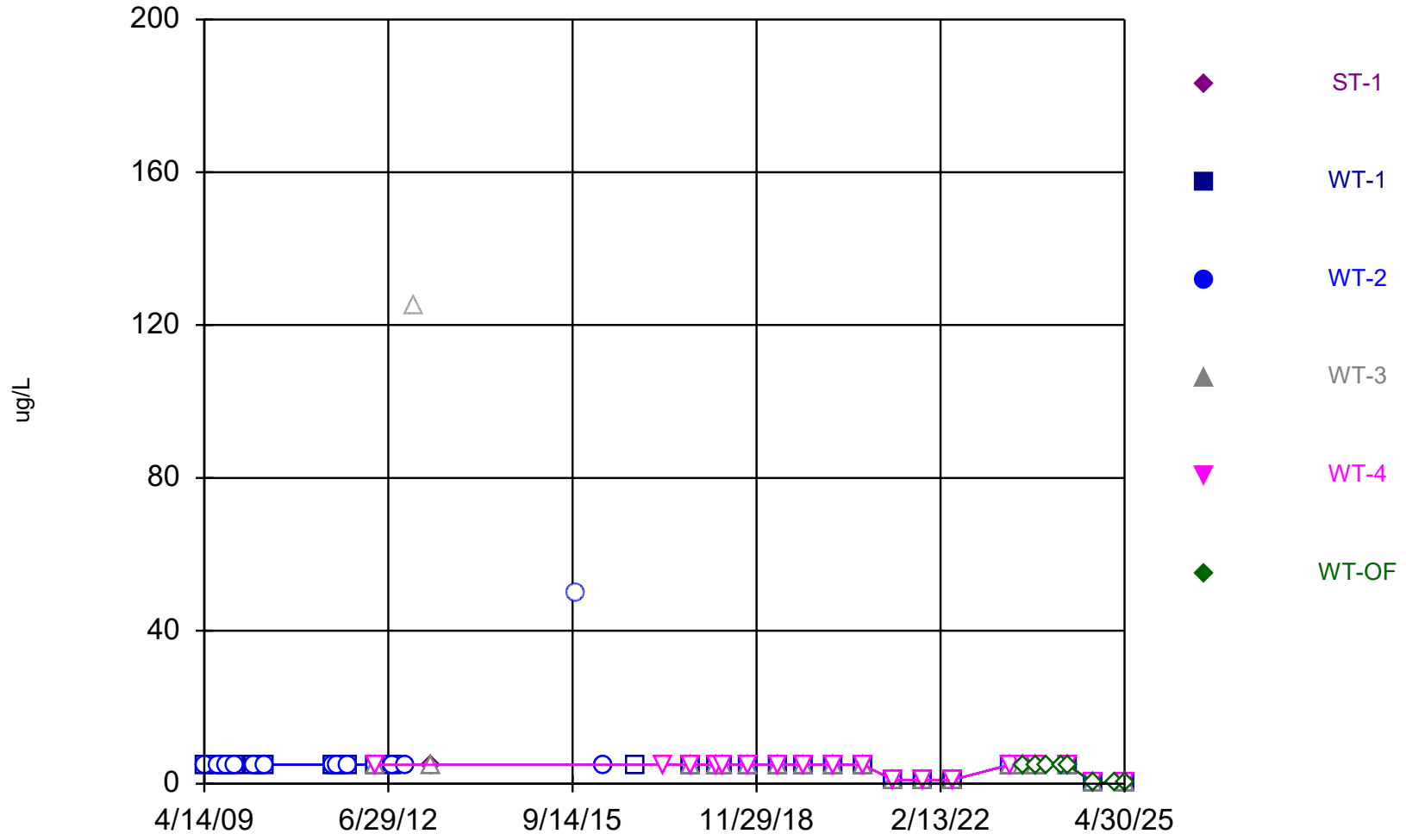


Constituent: cis-1,2-Dichloroethene Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

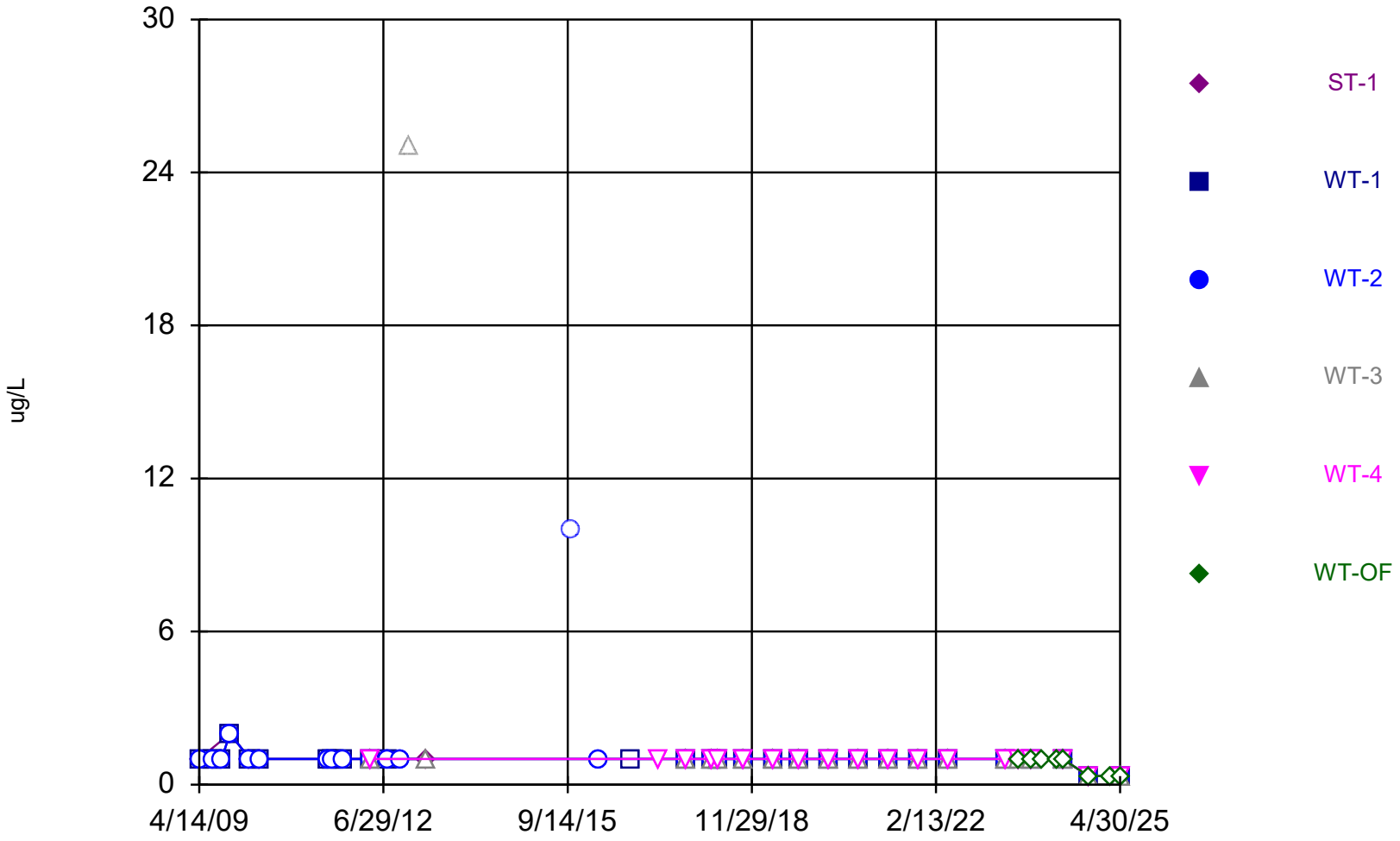


Constituent: cis-1,3-Dichloropropene Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

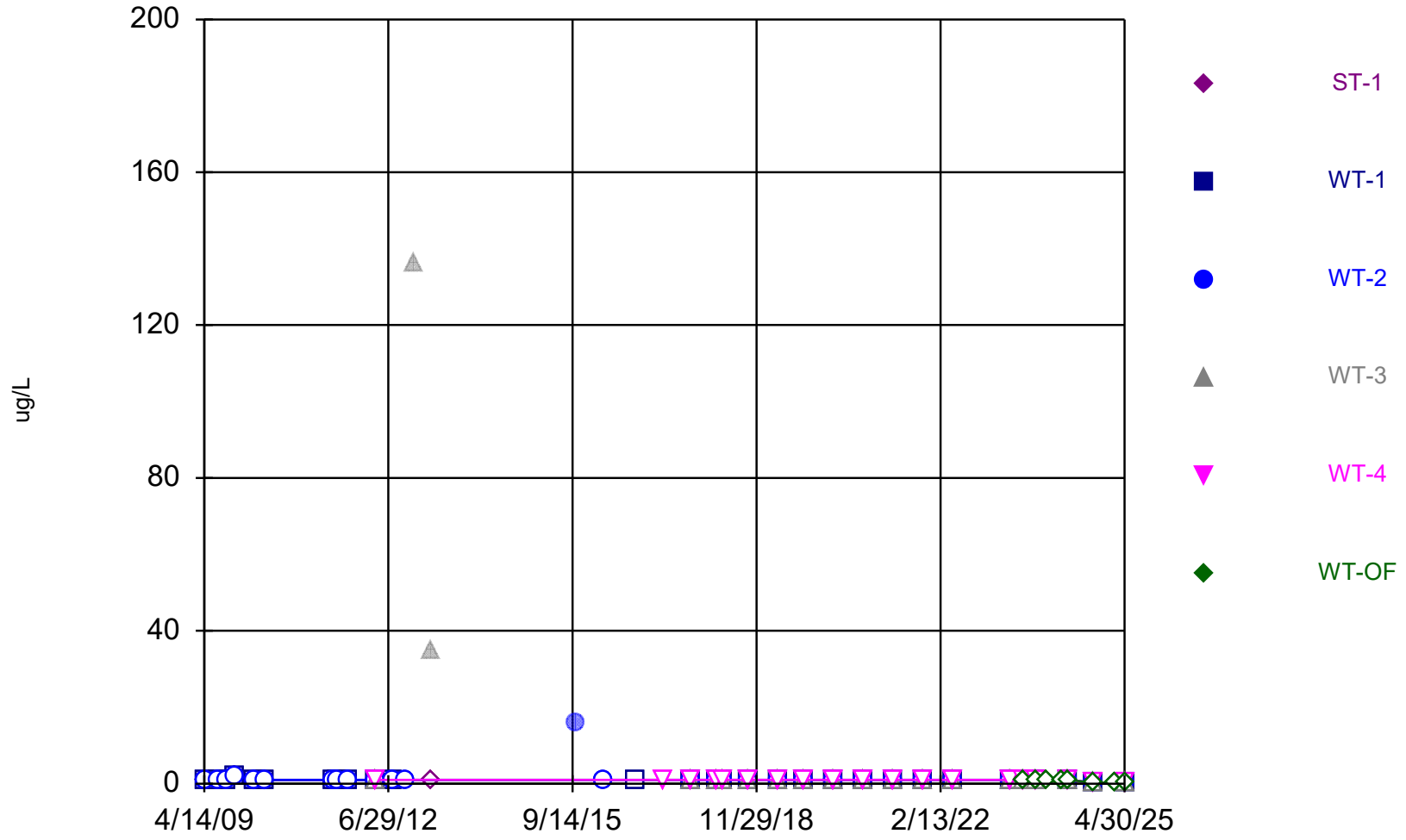


Constituent: Dibromomethane Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

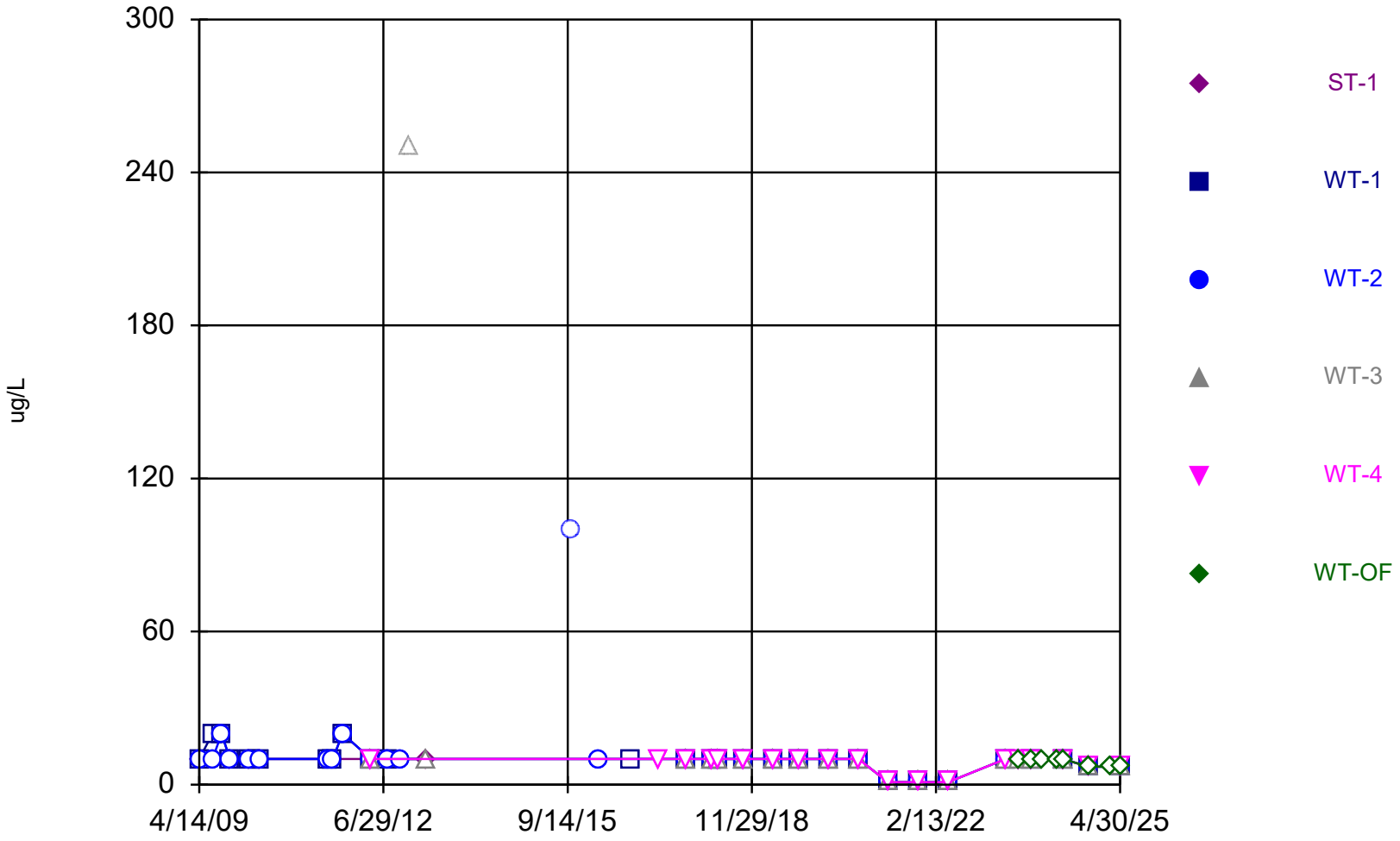


Constituent: Ethylbenzene Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

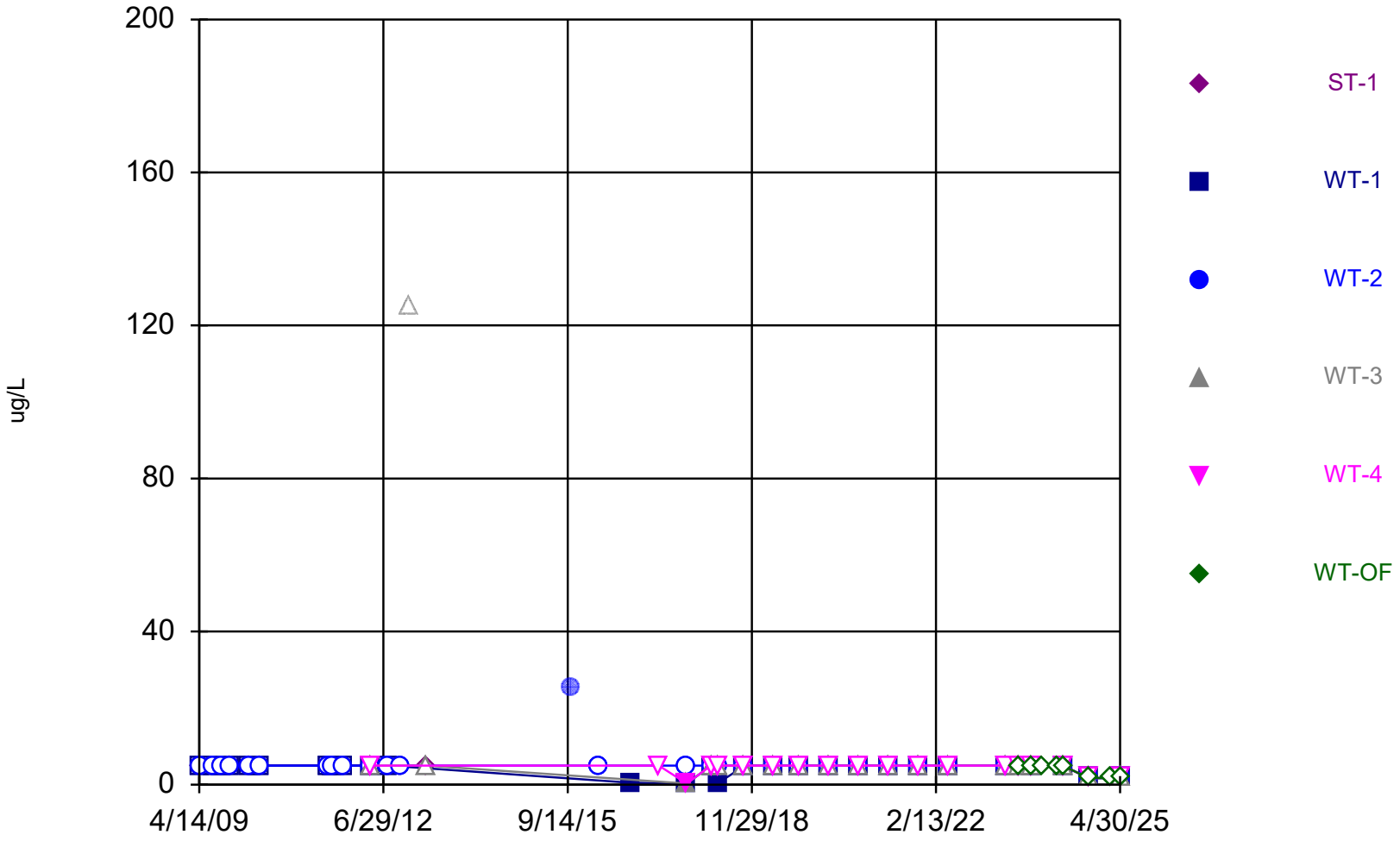


Constituent: Iodomethane Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

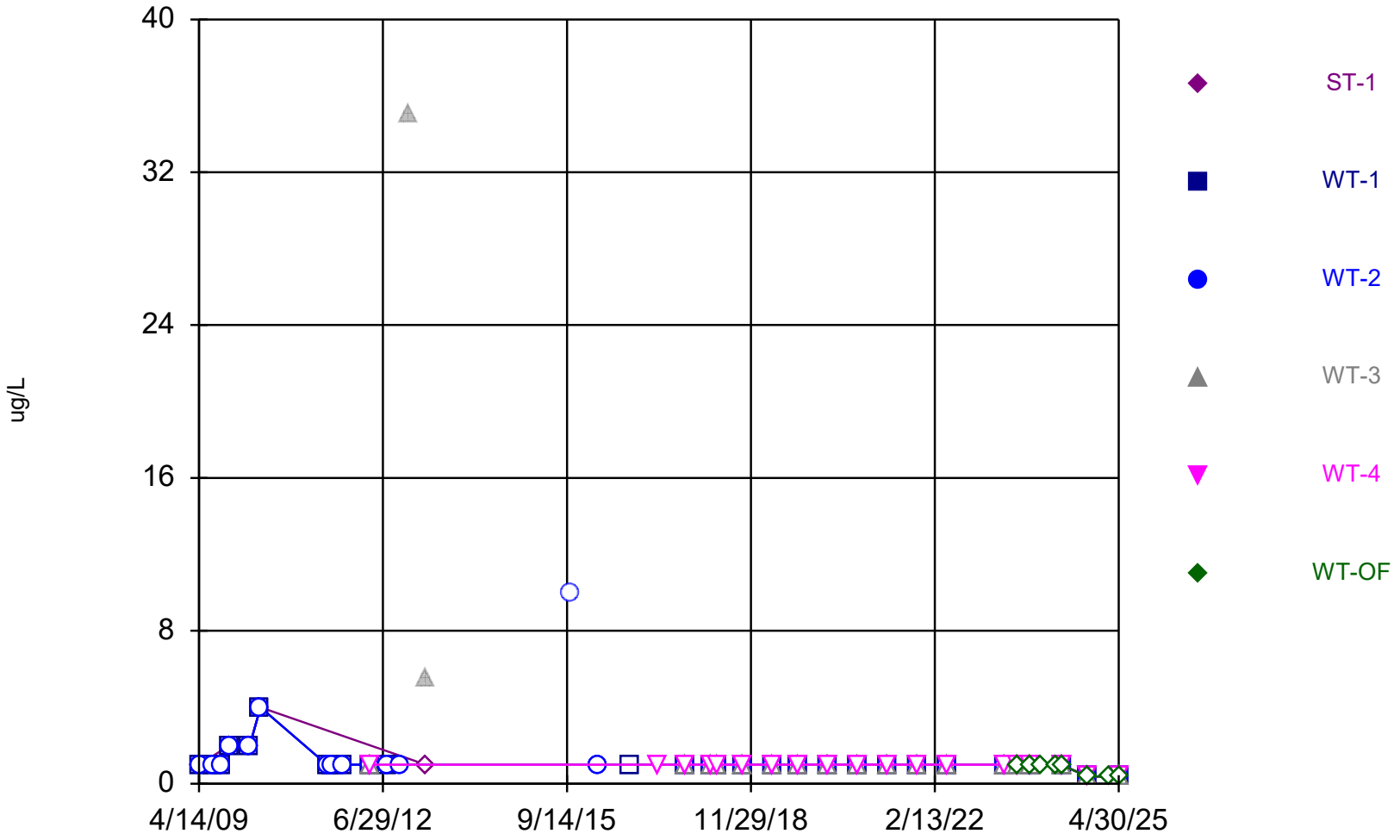


Constituent: Methylene Chloride Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

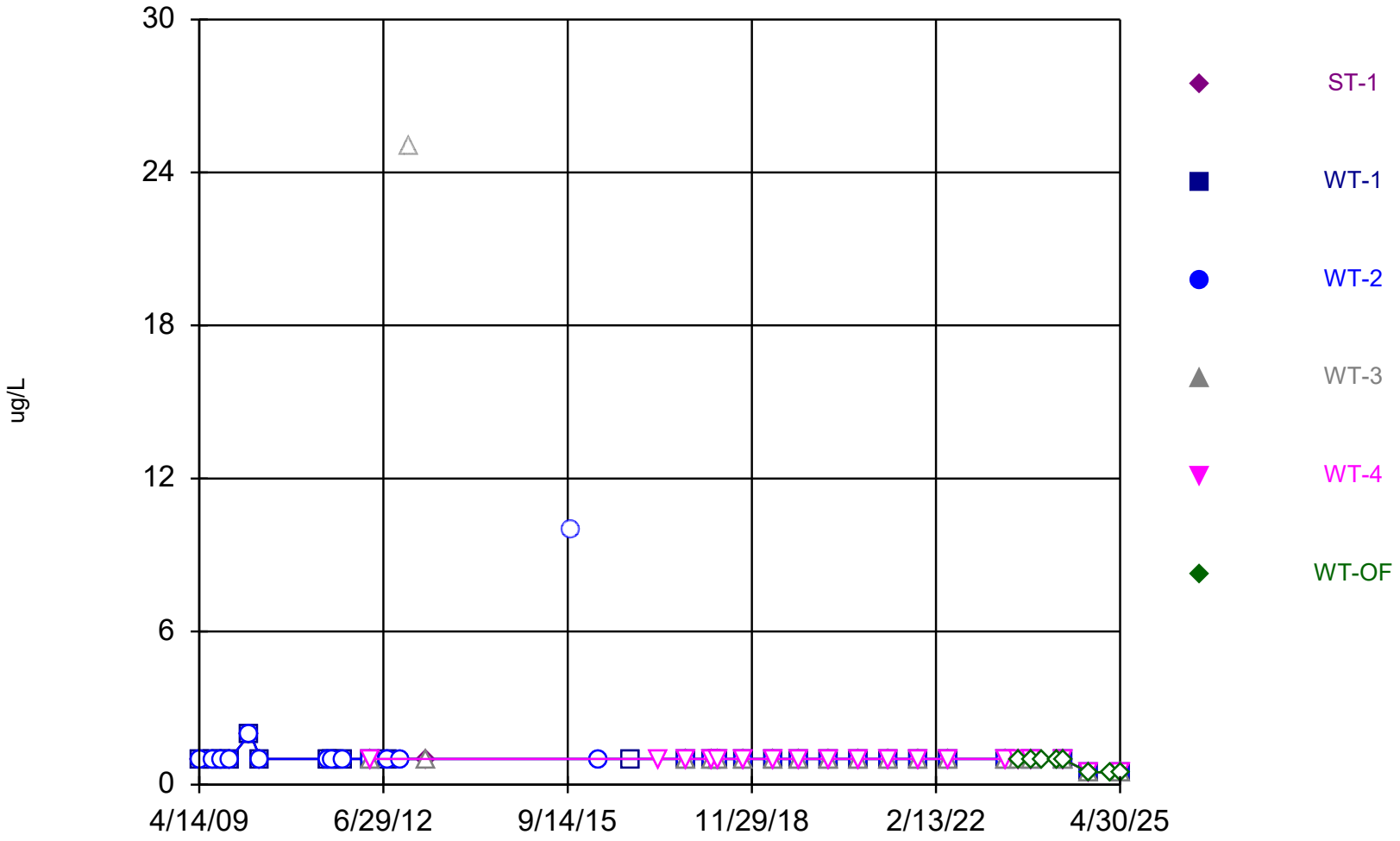


Constituent: Styrene Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

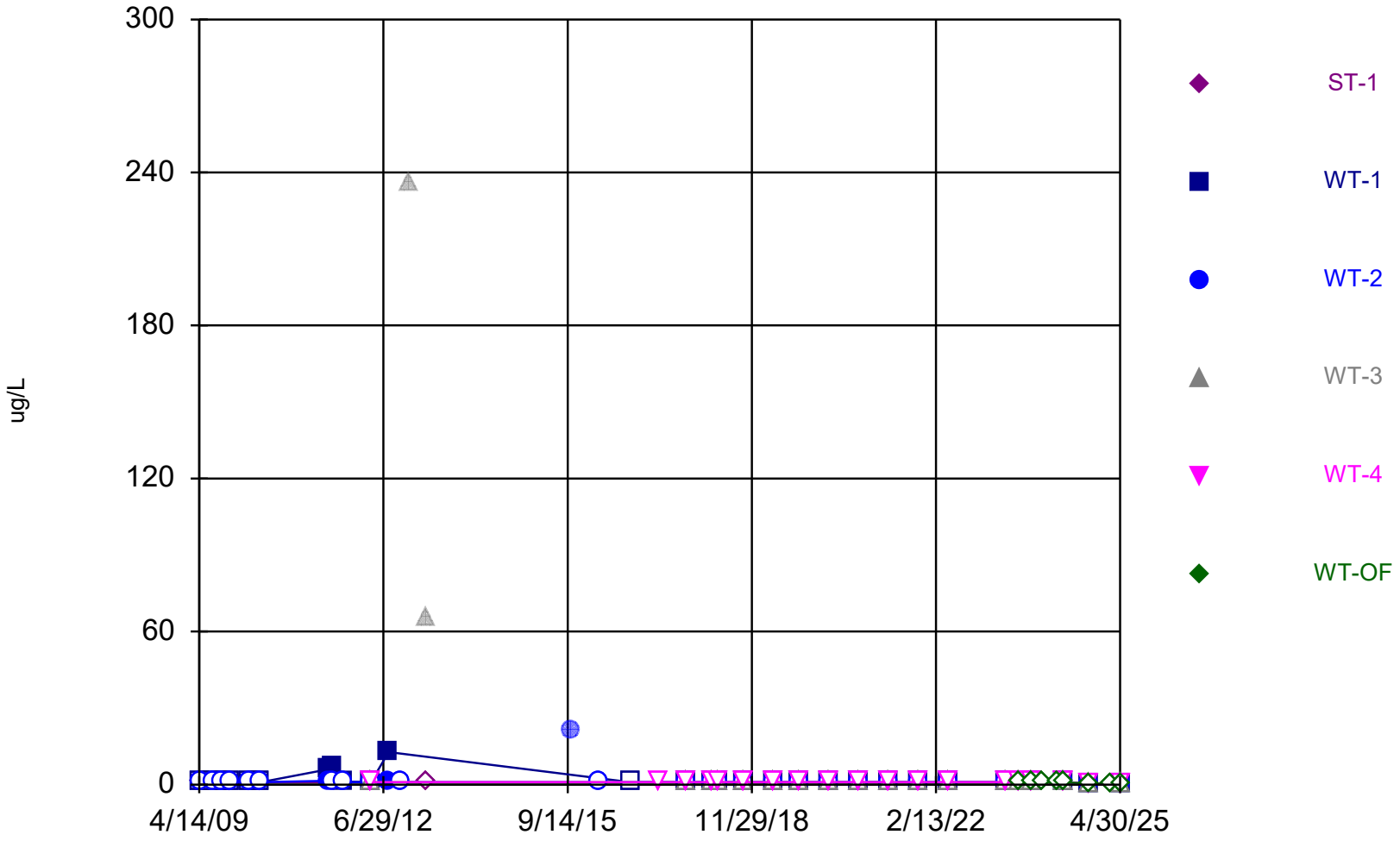


Constituent: Tetrachloroethene Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

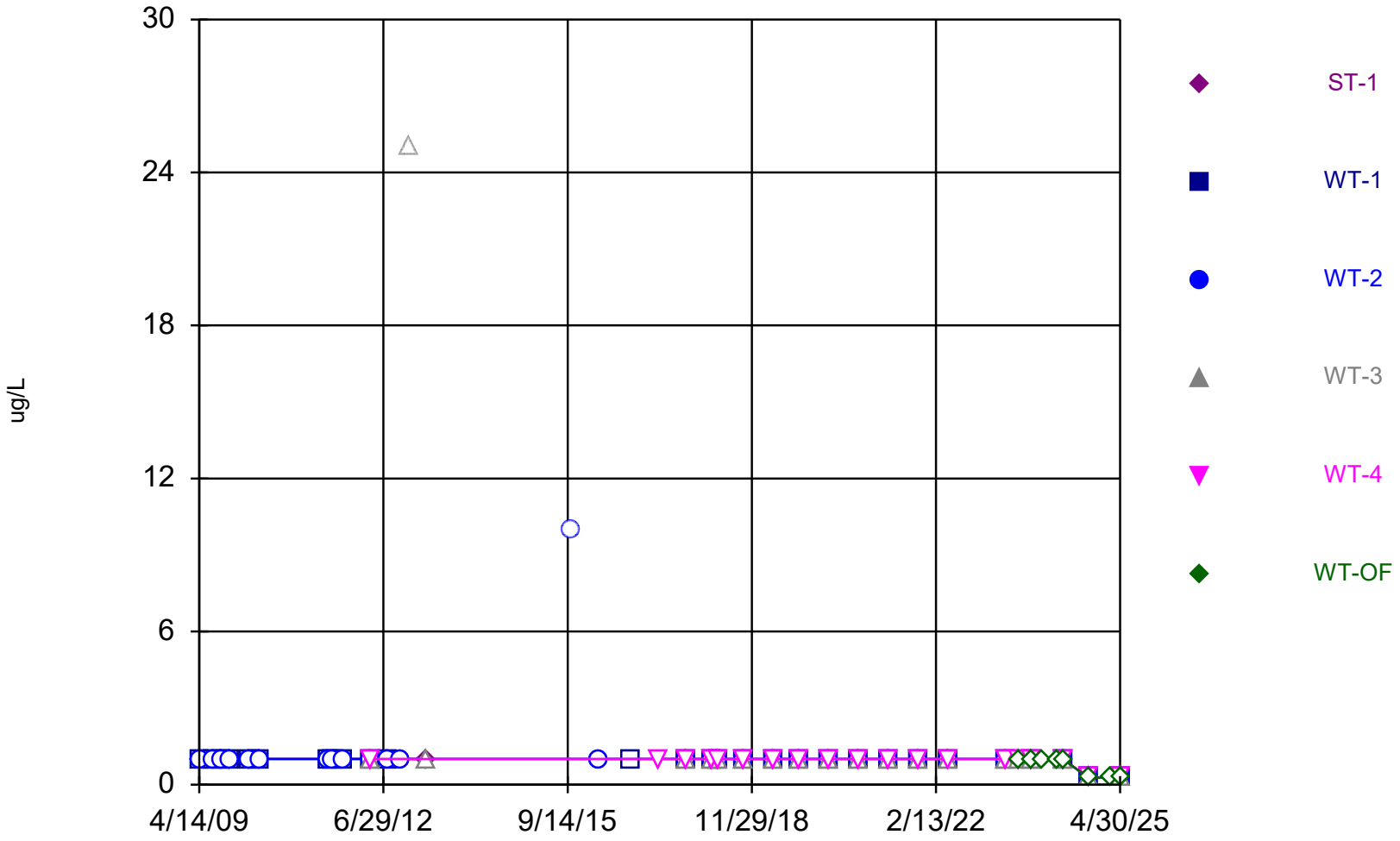


Constituent: Toluene Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

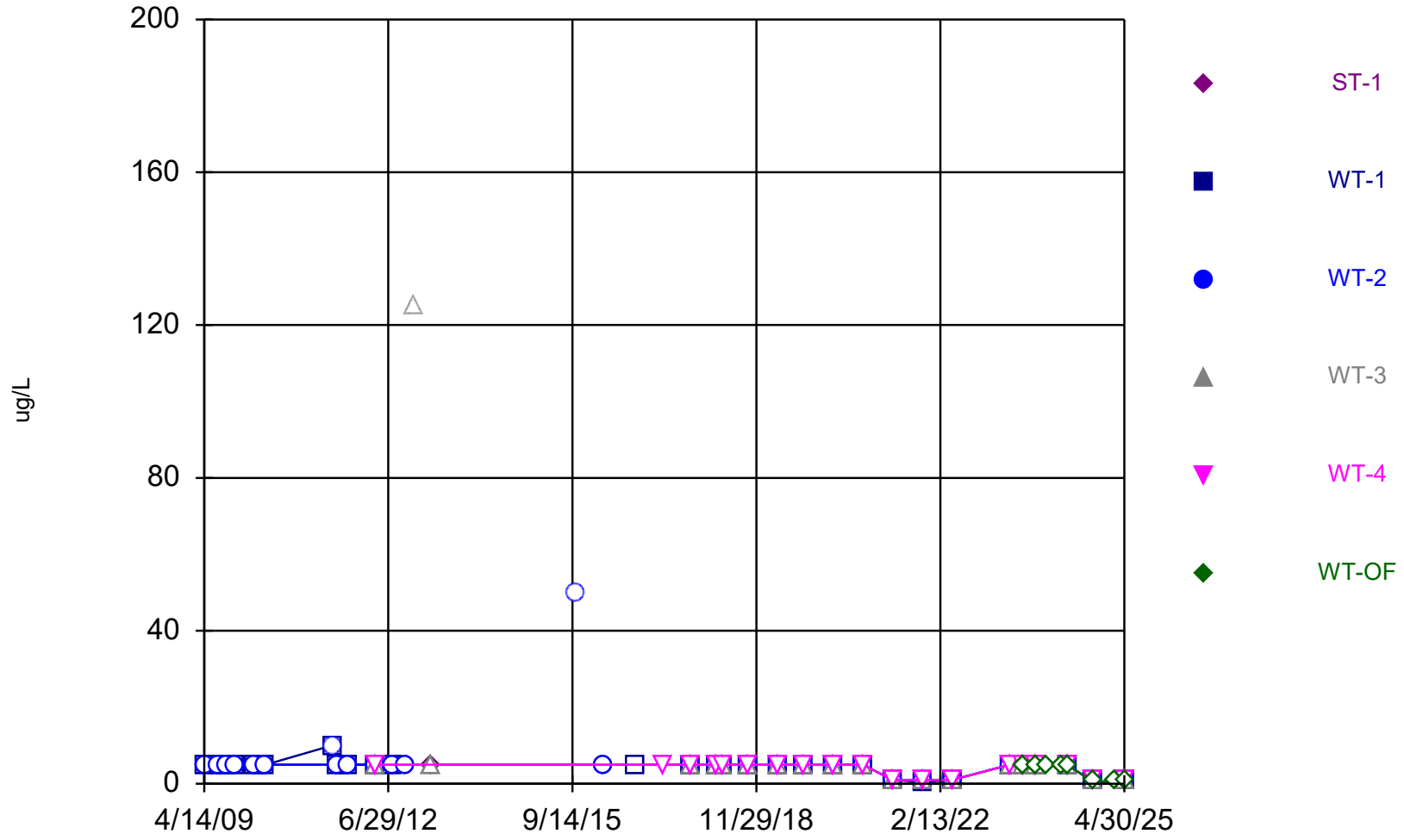


Constituent: trans-1,2-Dichloroethene Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: trans-1,3-Dichloropropene Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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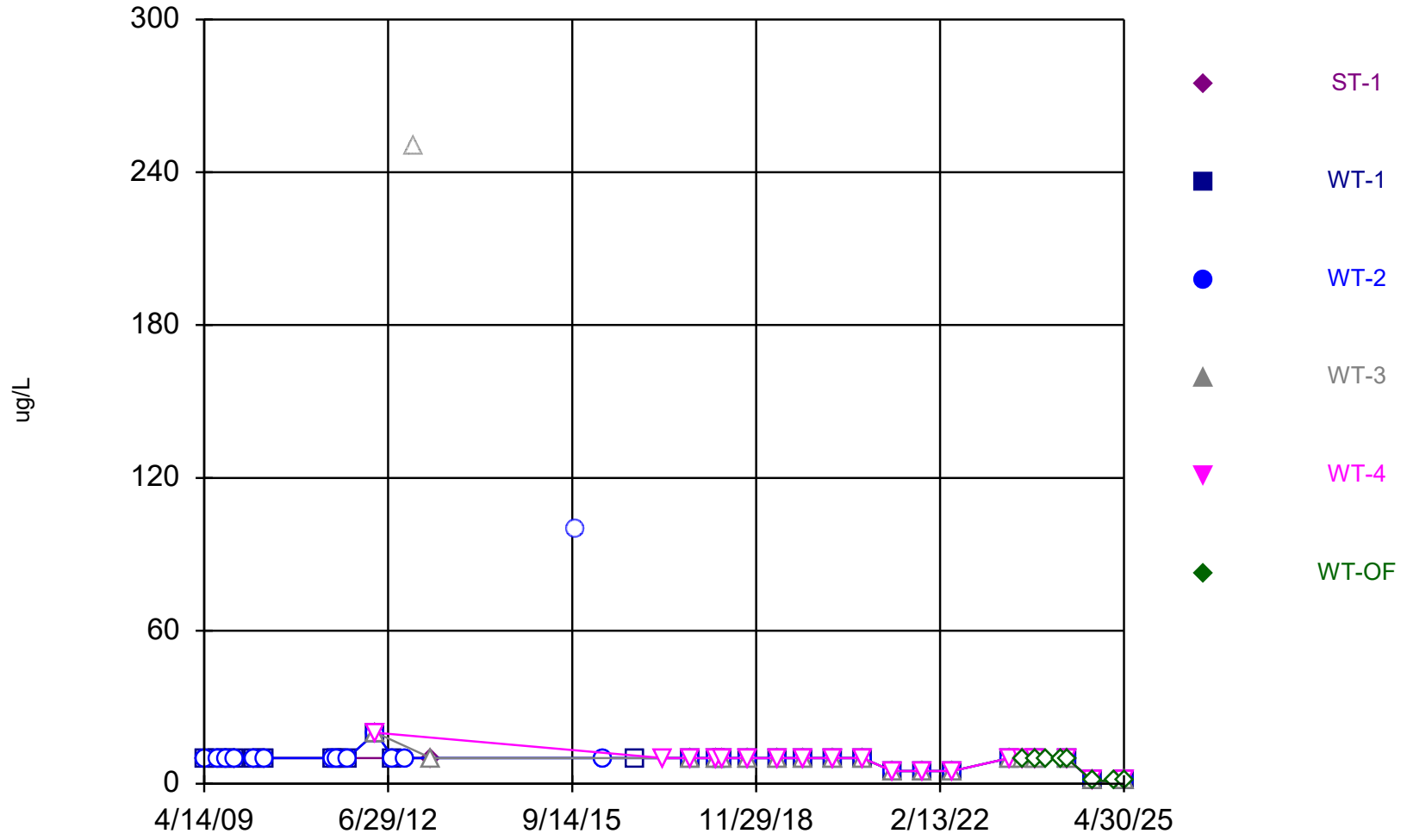
Hollow symbols indicate censored values.

Time Series



Constituent: trans-1,4-Dichloro-2-Butene Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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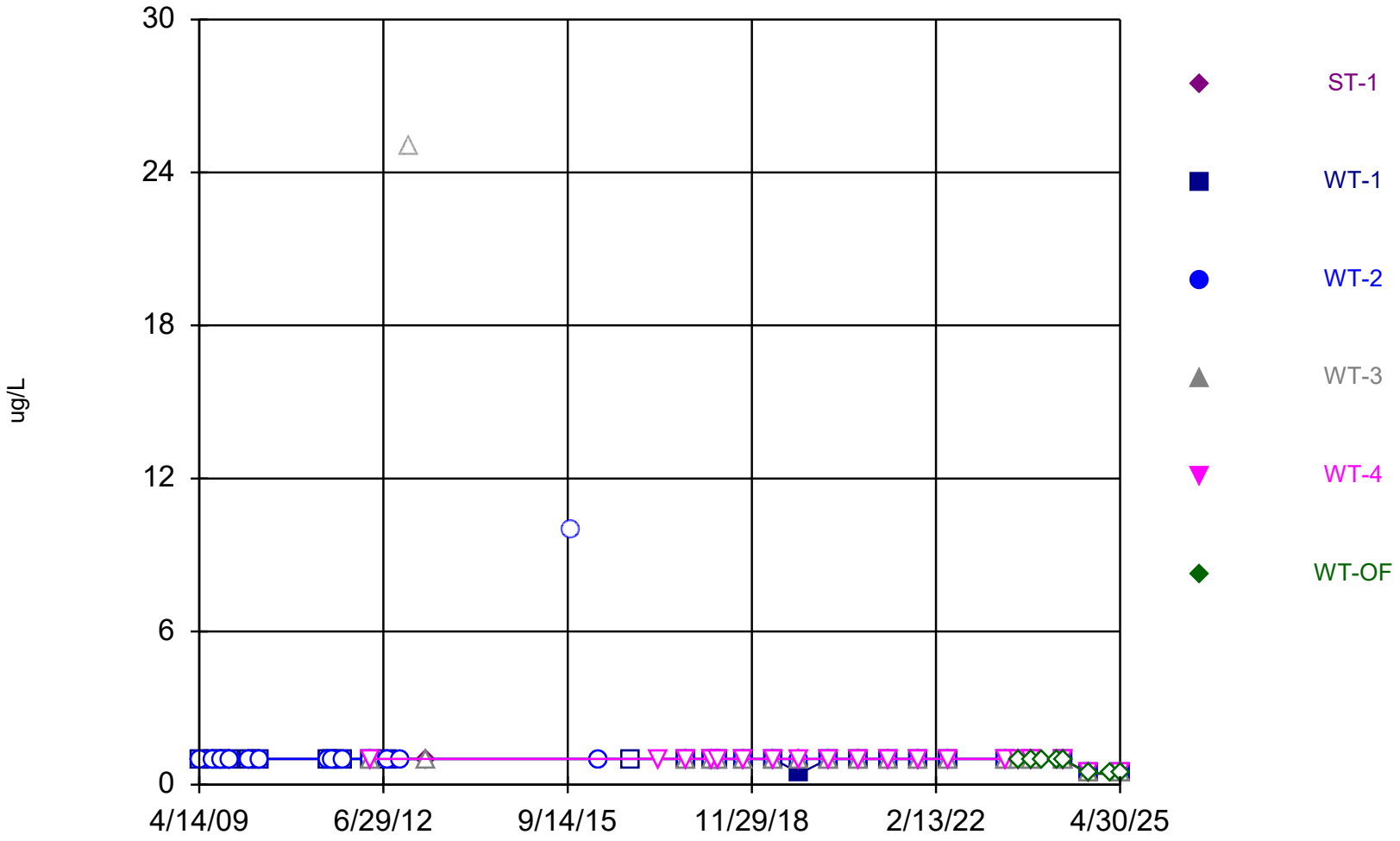
Hollow symbols indicate censored values.

Time Series



Constituent: Trichloroethene Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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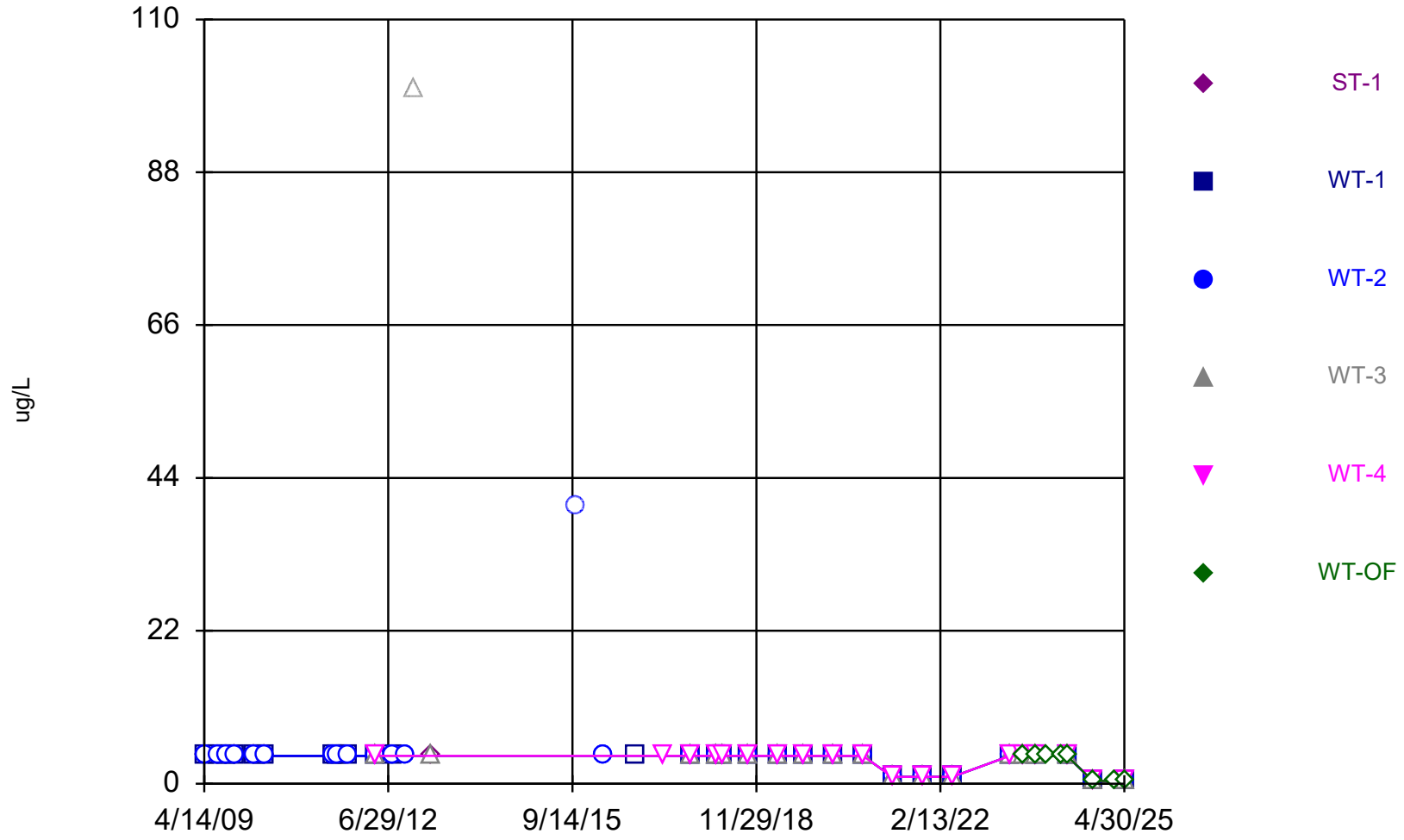
Hollow symbols indicate censored values.

Time Series



Constituent: Trichlorofluoromethane Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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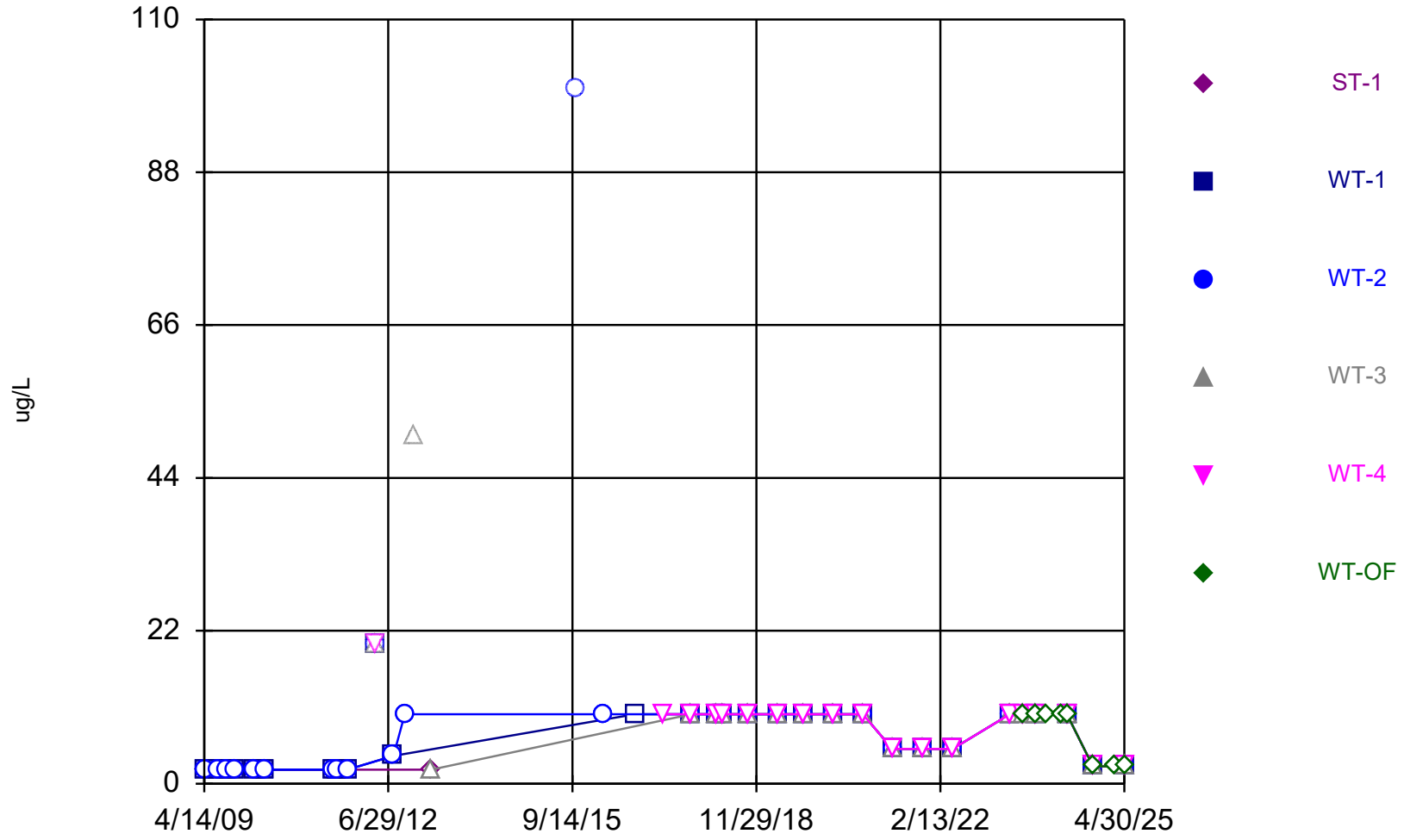
Time Series



Constituent: Vinyl Acetate Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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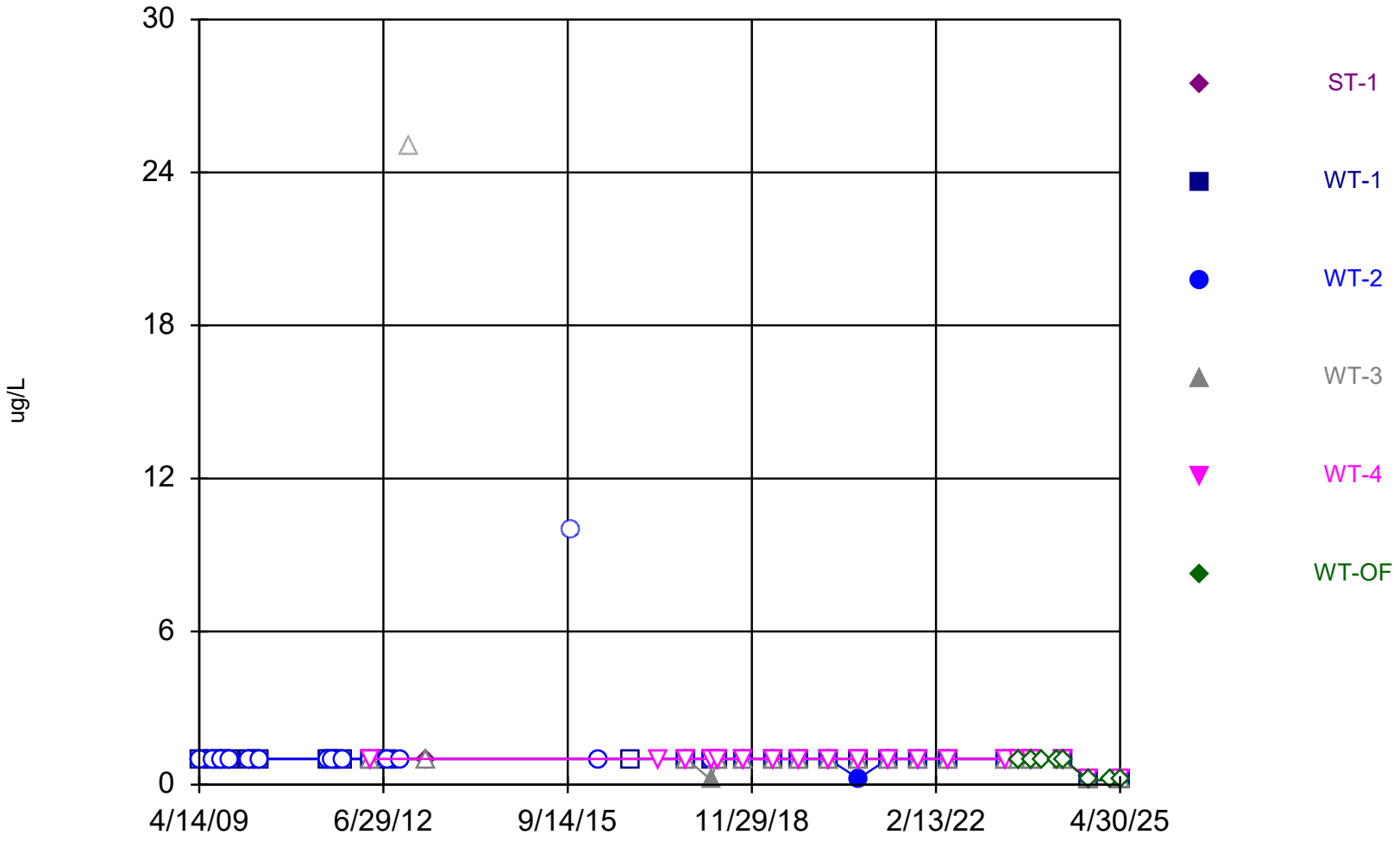
Hollow symbols indicate censored values.

Time Series



Constituent: Vinyl Chloride Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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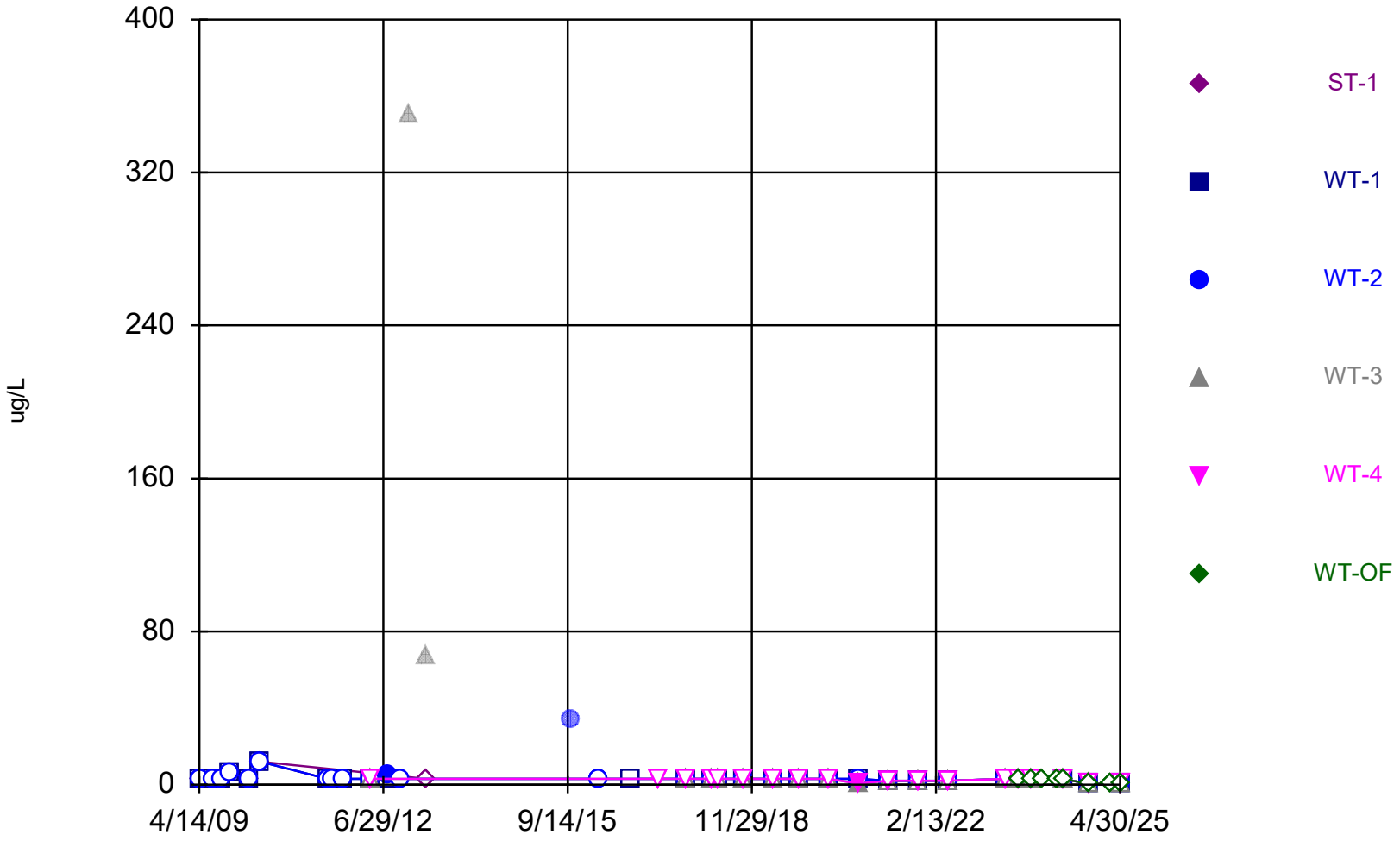
Hollow symbols indicate censored values.

Time Series



Constituent: Xylenes, Total Analysis Run 7/13/2025 10:35 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Groundwater Underdrain –

Box & Whiskers Plots

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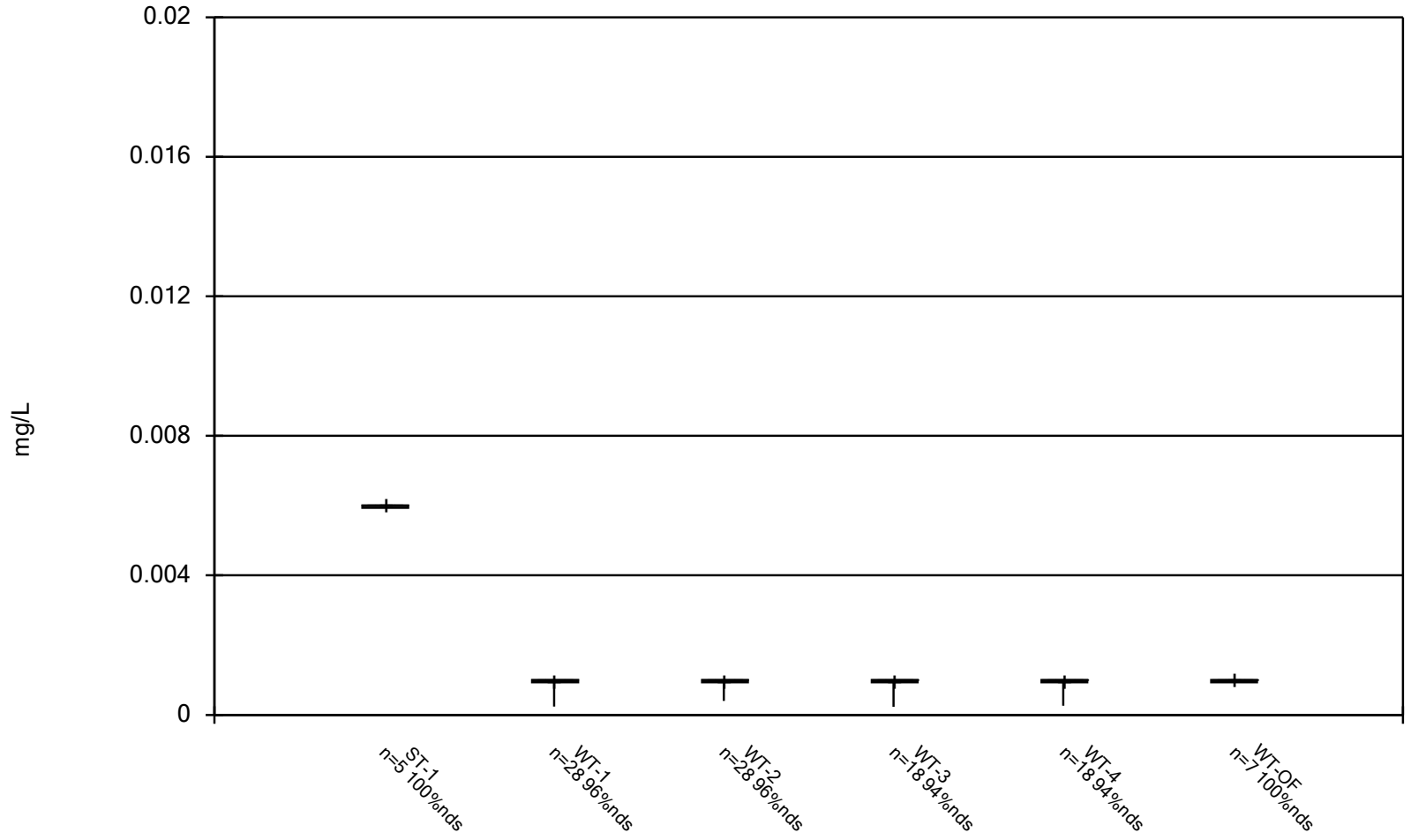
Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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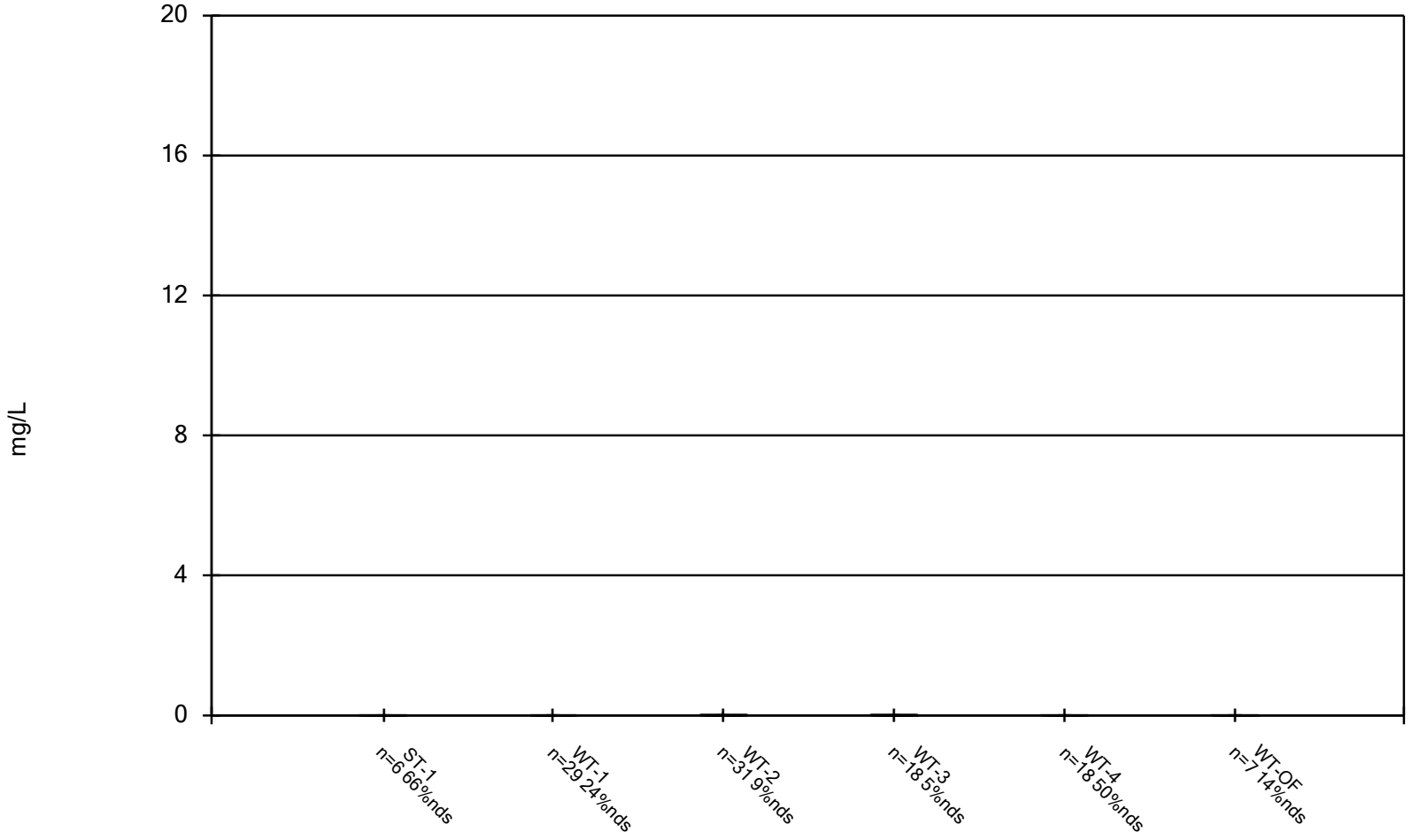
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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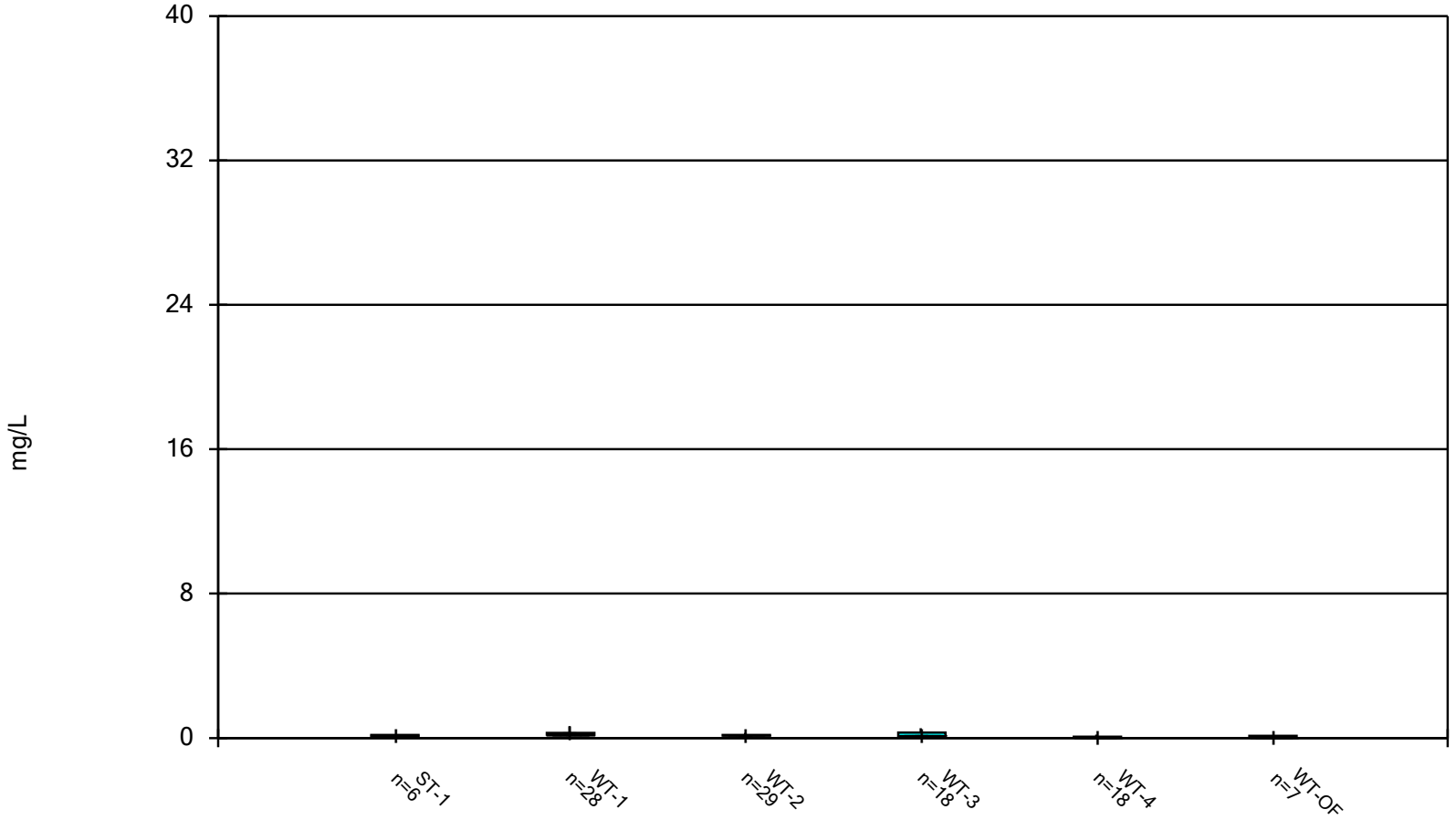

Constituent: Barium Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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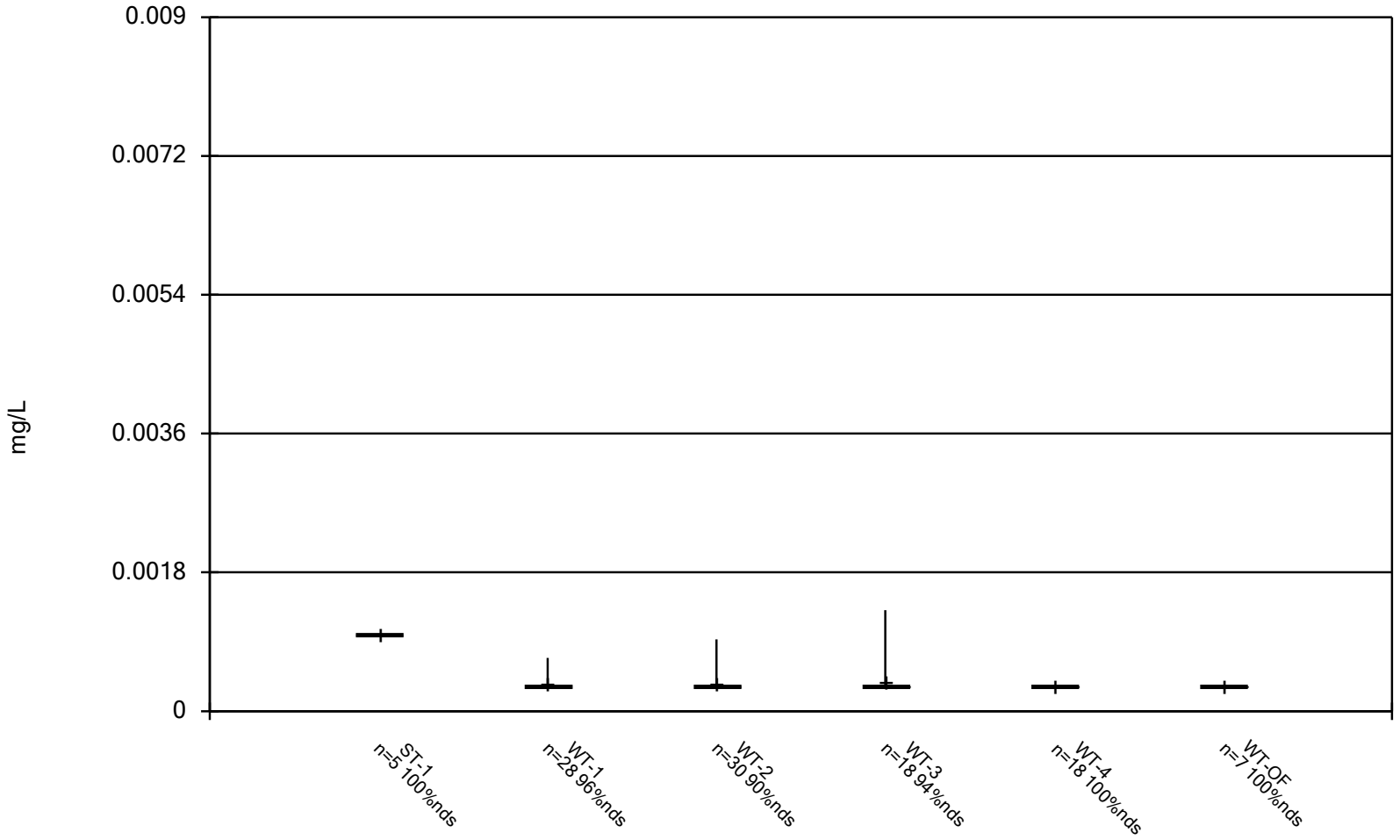
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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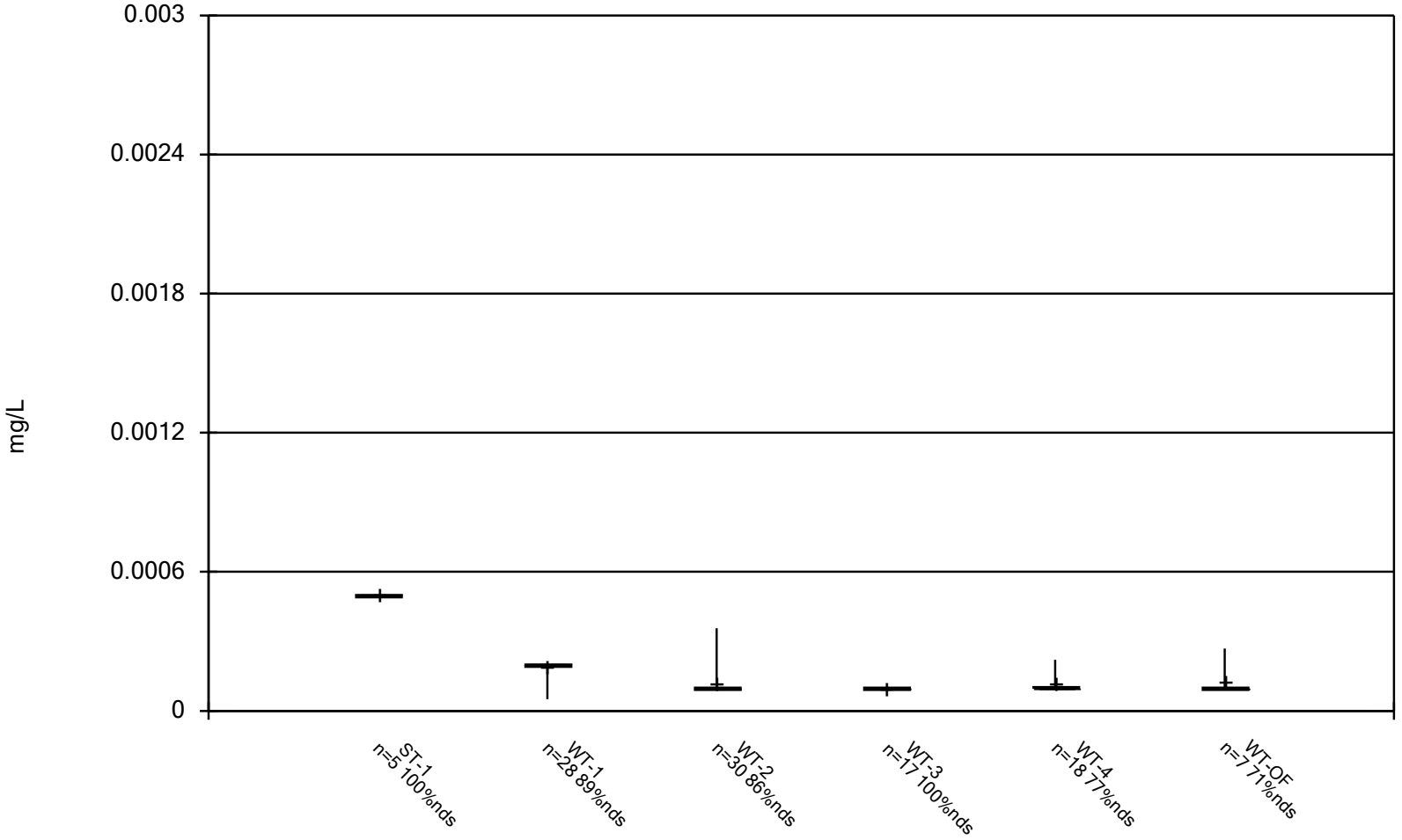

Constituent: Cadmium Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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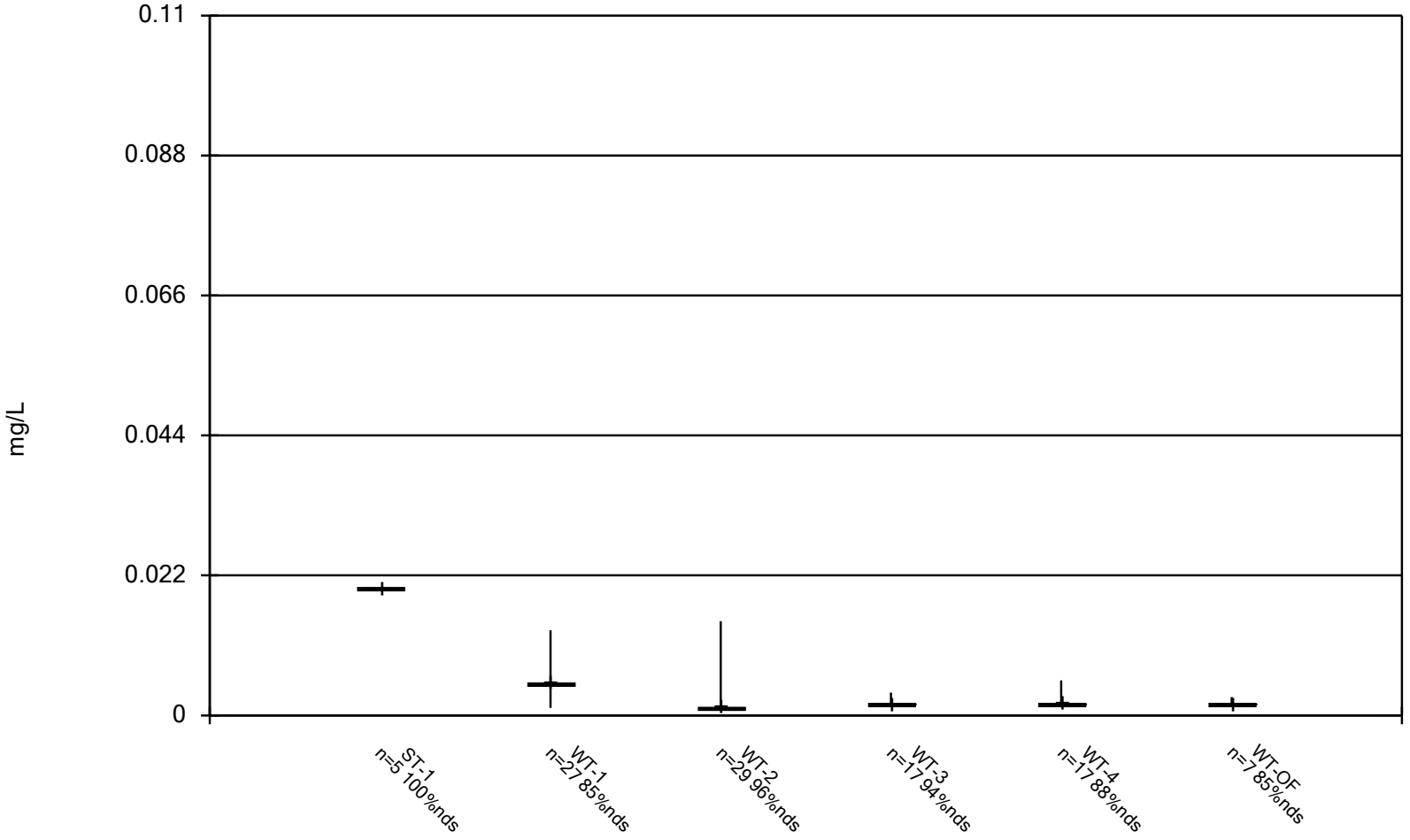

Constituent: Chromium Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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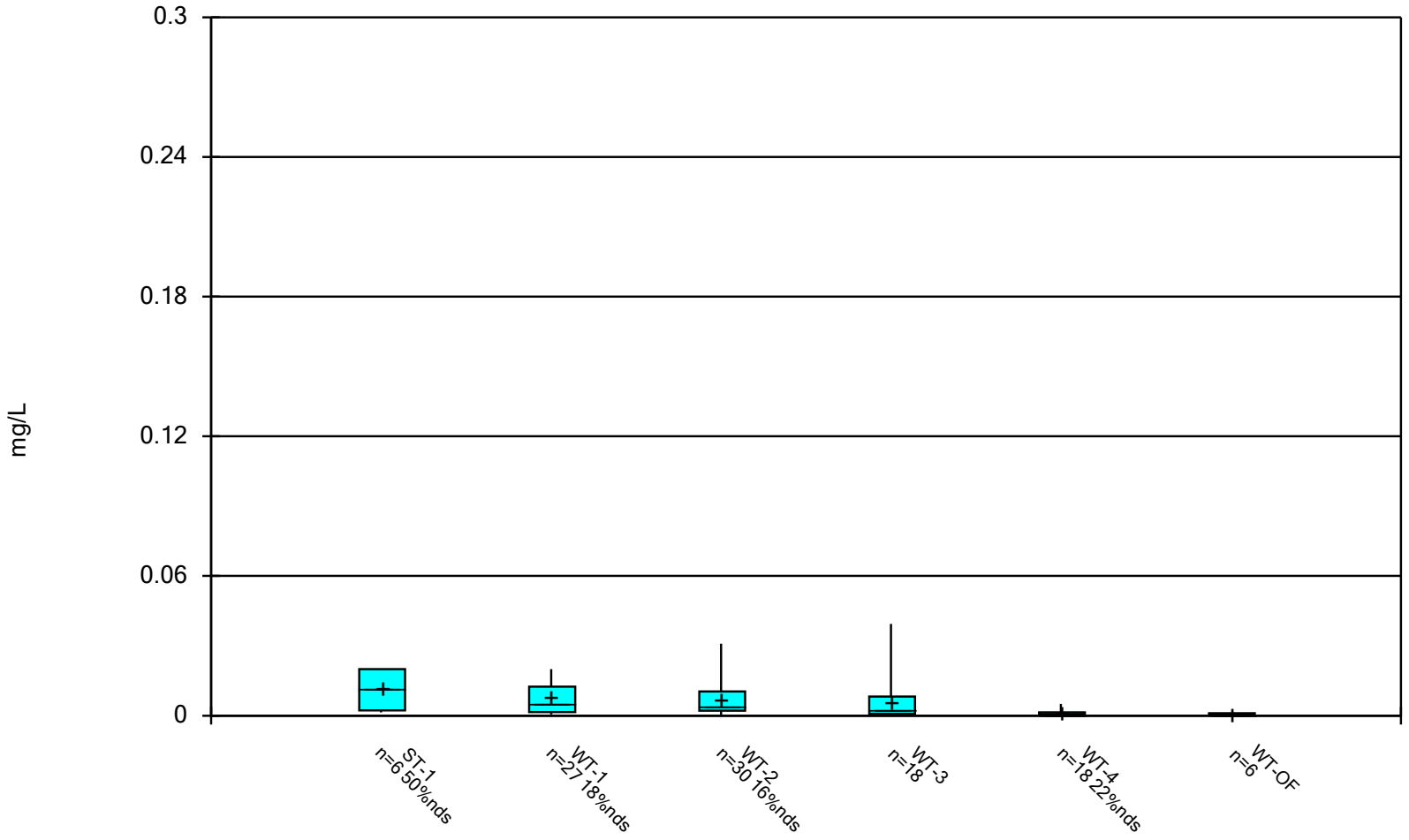

Constituent: Cobalt Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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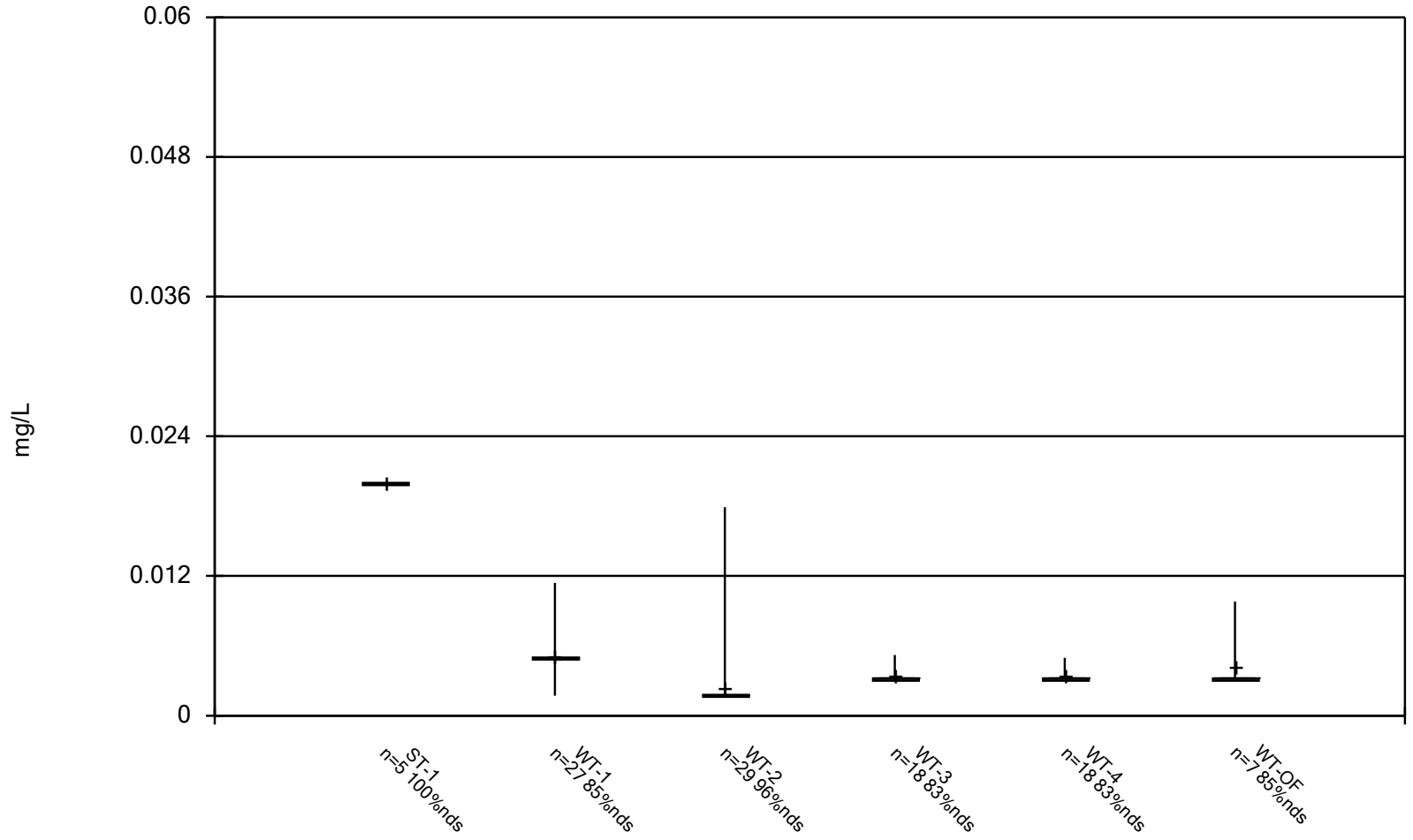

Constituent: Copper Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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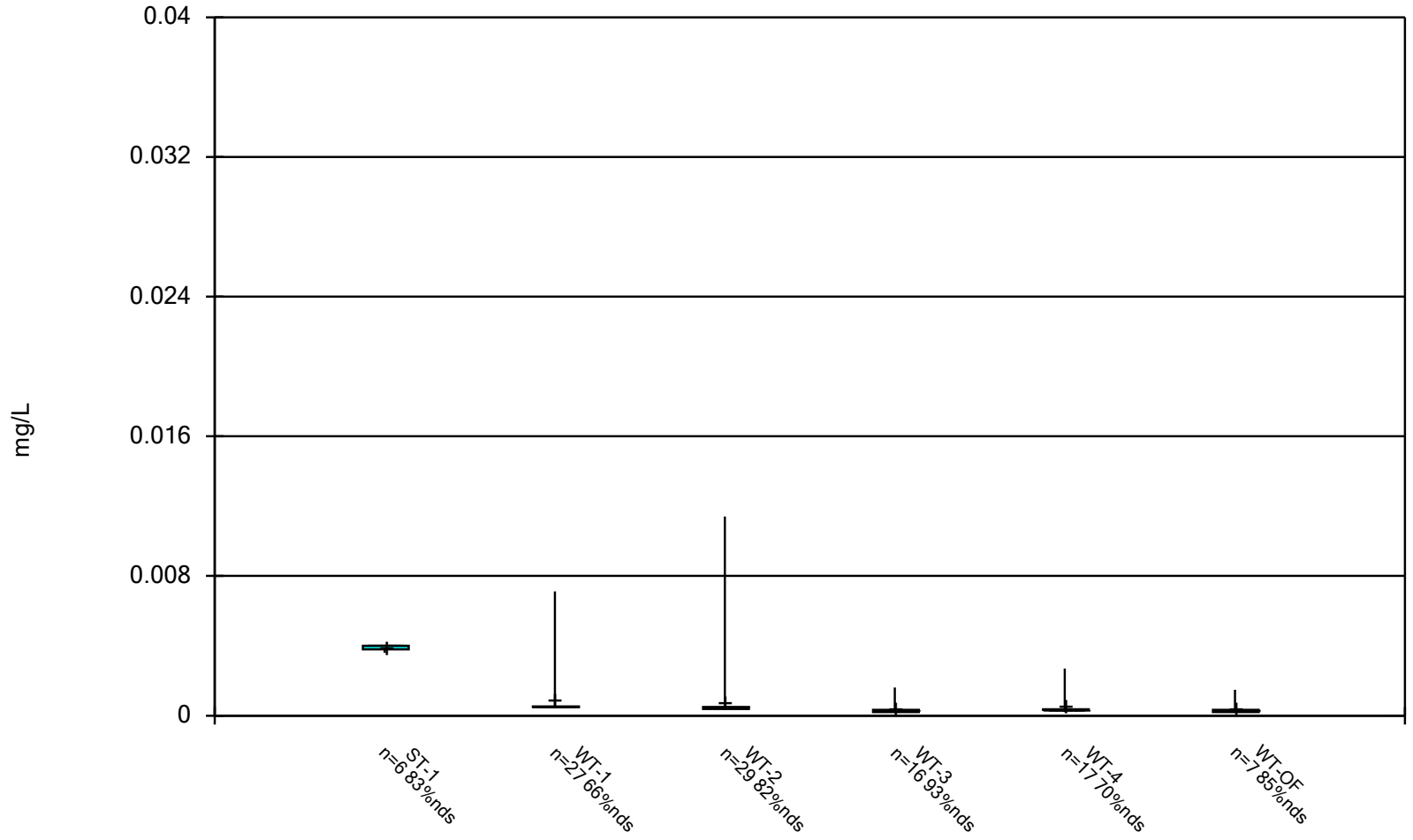

Constituent: Lead Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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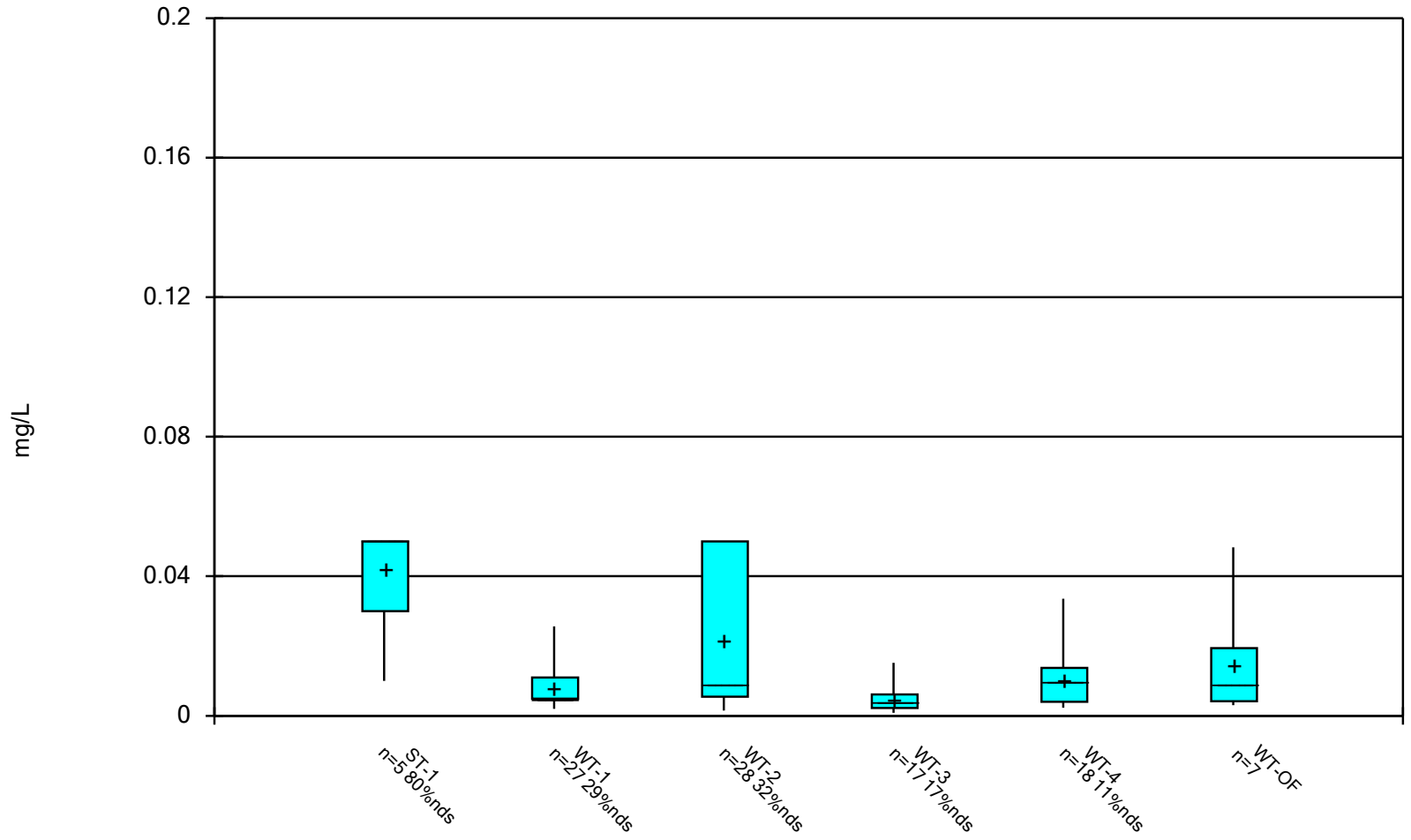

Constituent: Nickel Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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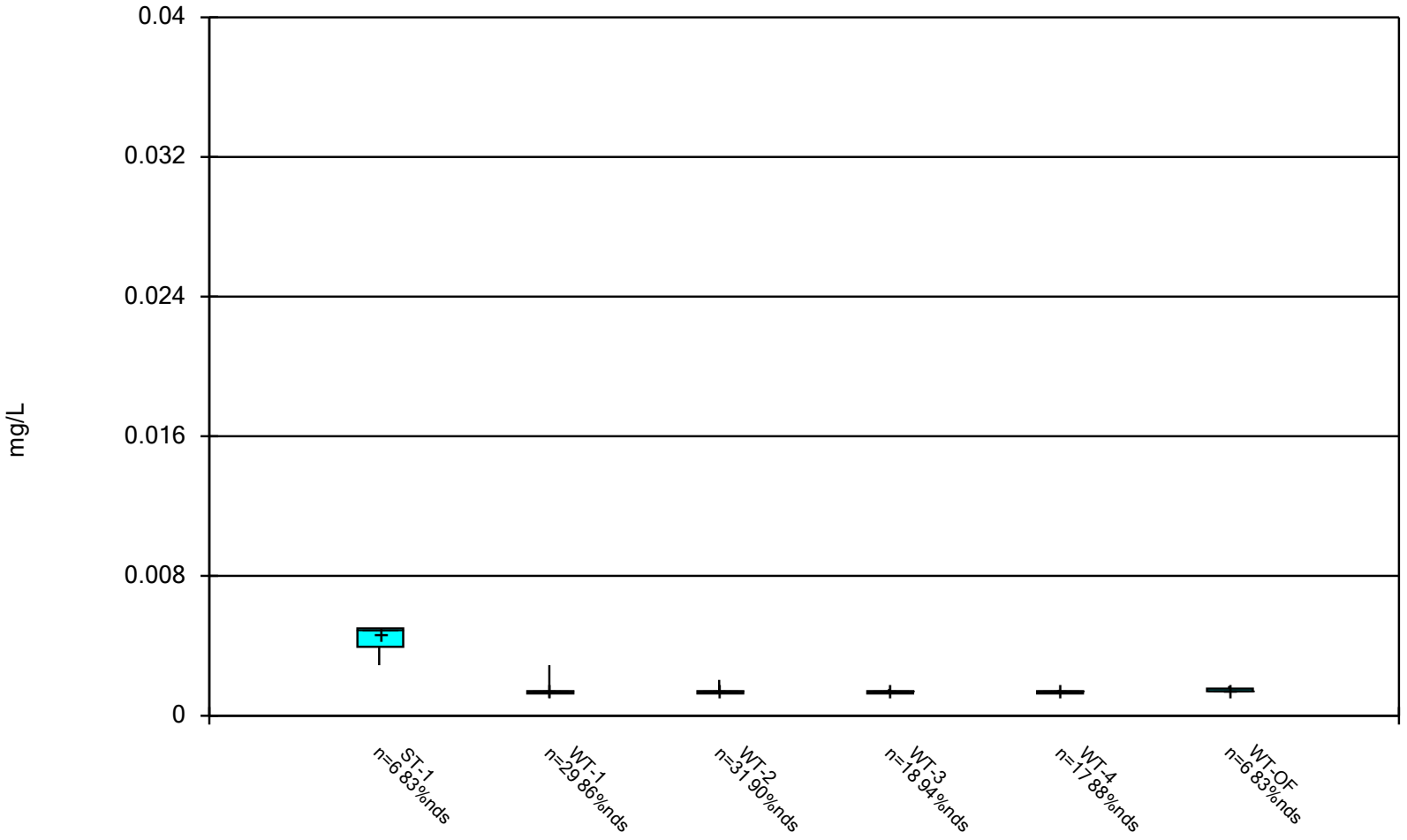
Box & Whiskers Plot



Constituent: Selenium Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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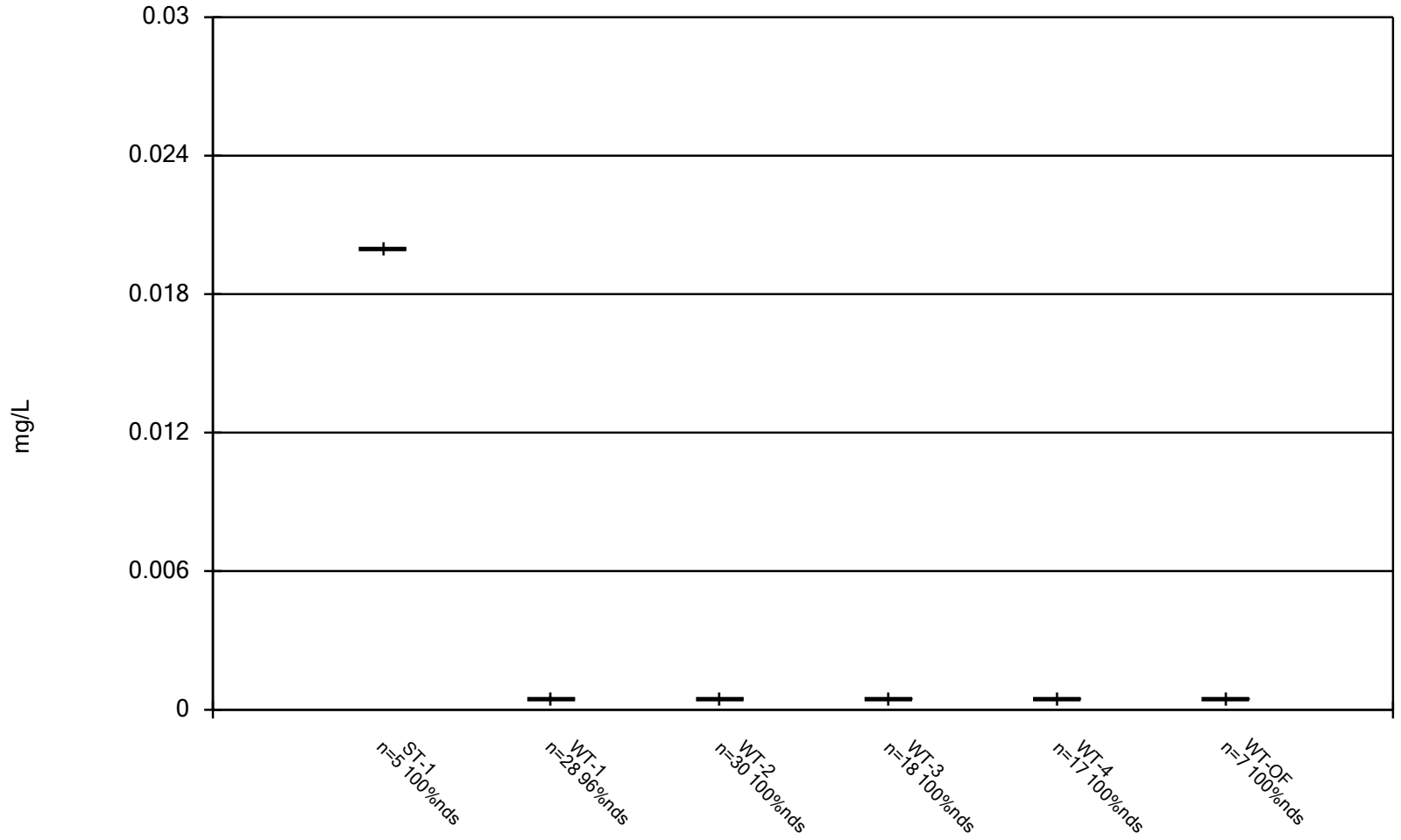
Box & Whiskers Plot



Constituent: Silver Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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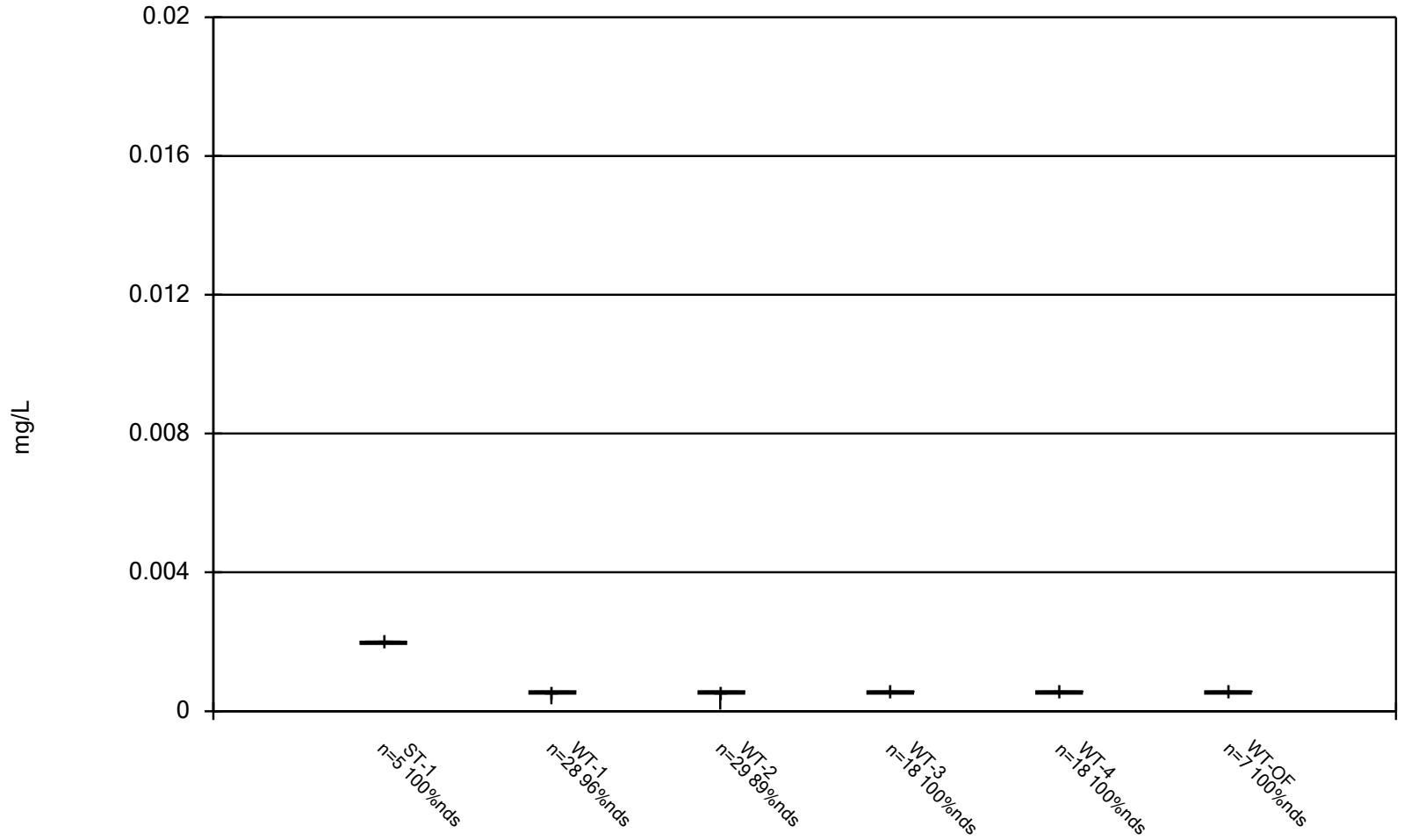

Constituent: Thallium Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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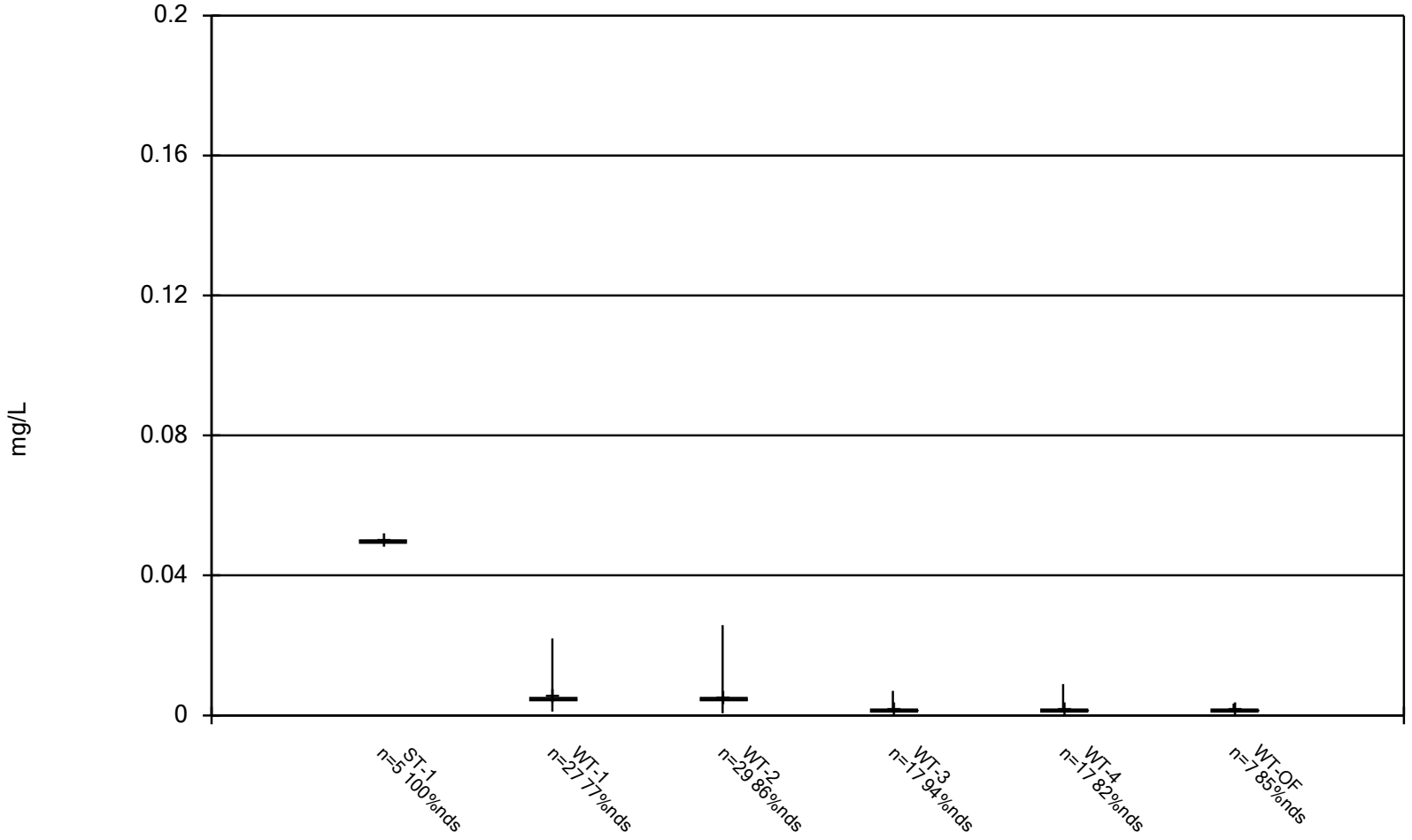

Constituent: Vanadium Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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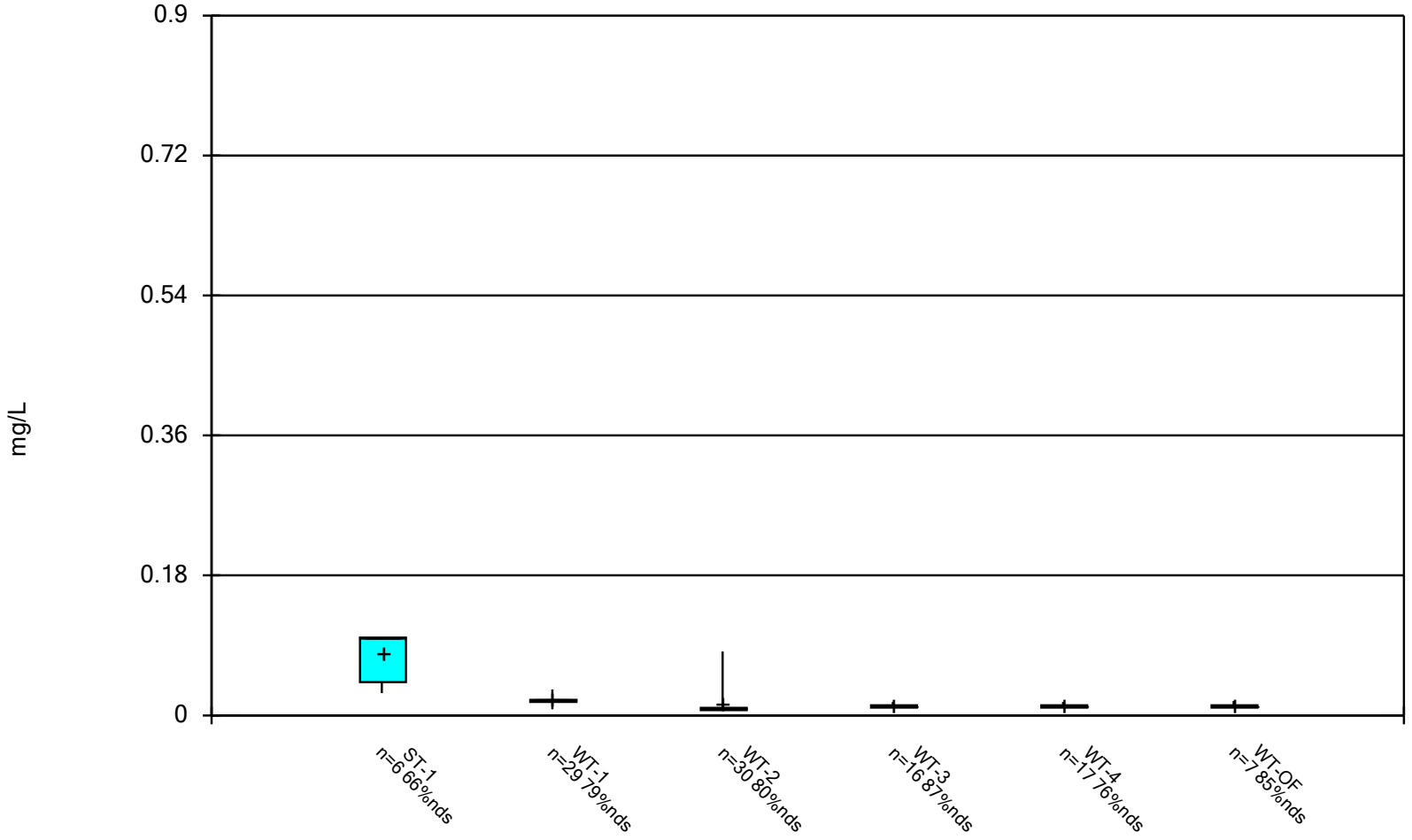

Constituent: Zinc Analysis Run 6/24/2025 3:21 PM View: 01_GU_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 6/24/2025, 3:21 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Antimony (mg/L)	ST-1	5	0.006	0	0	0.006	0.006	0.006	100
Antimony (mg/L)	WT-1	28	0.000...	0.0001438	0.0000...	0.001	0.000239	0.001	96.43
Antimony (mg/L)	WT-2	28	0.000...	0.0001128	0.0000...	0.001	0.000403	0.001	96.43
Antimony (mg/L)	WT-3	18	0.000...	0.0001808	0.0000...	0.001	0.000233	0.001	94.44
Antimony (mg/L)	WT-4	18	0.000...	0.0001728	0.0000...	0.001	0.000267	0.001	94.44
Antimony (mg/L)	WT-OF	7	0.001	0	0	0.001	0.001	0.001	100
Arsenic (mg/L)	ST-1	6	0.00135	0.0006442	0.000263	0.001	0.001	0.0026	66.67
Arsenic (mg/L)	WT-1	29	0.003816	0.002827	0.000525	0.00205	0.000853	0.01045	24.14
Arsenic (mg/L)	WT-2	31	0.01026	0.01576	0.00283	0.00563	0.00123	0.0768	9.677
Arsenic (mg/L)	WT-3	18	0.01209	0.008362	0.001971	0.0121	0.0005	0.0349	5.556
Arsenic (mg/L)	WT-4	18	0.001123	0.0007742	0.0001825	0.000594	0.00053	0.00267	50
Arsenic (mg/L)	WT-OF	7	0.001256	0.001105	0.0004176	0.000918	0.000265	0.00362	14.29
Barium (mg/L)	ST-1	6	0.1412	0.02809	0.01147	0.135	0.103	0.177	0
Barium (mg/L)	WT-1	28	0.2537	0.1136	0.02146	0.2453	0.0584	0.662	0
Barium (mg/L)	WT-2	29	0.1593	0.04369	0.008113	0.159	0.0286	0.282	0
Barium (mg/L)	WT-3	18	0.1891	0.148	0.03489	0.1335	0.0374	0.544	0
Barium (mg/L)	WT-4	18	0.05534	0.04654	0.01097	0.03375	0.0208	0.194	0
Barium (mg/L)	WT-OF	7	0.1131	0.02619	0.009899	0.113	0.0868	0.163	0
Beryllium (mg/L)	ST-1	5	0.001	0	0	0.001	0.001	0.001	100
Beryllium (mg/L)	WT-1	28	0.000...	0.0000...	0.0000...	0.00033	0.00033	0.000692	96.43
Beryllium (mg/L)	WT-2	30	0.000...	0.0001199	0.0000219	0.00033	0.00033	0.00093	90
Beryllium (mg/L)	WT-3	18	0.000...	0.000231	0.0000...	0.00033	0.00033	0.00131	94.44
Beryllium (mg/L)	WT-4	18	0.00033	0	0	0.00033	0.00033	0.00033	100
Beryllium (mg/L)	WT-OF	7	0.00033	0	0	0.00033	0.00033	0.00033	100
Cadmium (mg/L)	ST-1	5	0.0005	0	0	0.0005	0.0005	0.0005	100
Cadmium (mg/L)	WT-1	28	0.000...	0.0000...	0.0000...	0.0002	0.00005	0.0002	89.29
Cadmium (mg/L)	WT-2	30	0.000...	0.0000...	0.0000117	0.0001	0.0001	0.000356	86.67
Cadmium (mg/L)	WT-3	17	0.0001	0	0	0.0001	0.0001	0.0001	100
Cadmium (mg/L)	WT-4	18	0.000...	0.0000...	0.0000...	0.0001	0.0001	0.00022	77.78
Cadmium (mg/L)	WT-OF	7	0.000...	0.0000...	0.0000...	0.0001	0.0001	0.000269	71.43
Chromium (mg/L)	ST-1	5	0.02	0	0	0.02	0.02	0.02	100
Chromium (mg/L)	WT-1	27	0.005401	0.002323	0.000447	0.005	0.0012	0.0134	85.19
Chromium (mg/L)	WT-2	29	0.001669	0.002525	0.000469	0.0012	0.0012	0.0148	96.55
Chromium (mg/L)	WT-3	17	0.001906	0.000439	0.0001065	0.0018	0.0018	0.00361	94.12
Chromium (mg/L)	WT-4	17	0.002188	0.001104	0.0002677	0.0018	0.0018	0.0055	88.24
Chromium (mg/L)	WT-OF	7	0.001951	0.0004006	0.0001514	0.0018	0.0018	0.00286	85.71
Cobalt (mg/L)	ST-1	6	0.01136	0.009493	0.003875	0.01175	0.00139	0.02	50
Cobalt (mg/L)	WT-1	27	0.007844	0.007081	0.001363	0.00529	0.0006	0.02	18.52
Cobalt (mg/L)	WT-2	30	0.00727	0.007976	0.001456	0.003895	0.0003	0.0309	16.67
Cobalt (mg/L)	WT-3	18	0.006022	0.009323	0.002198	0.00236	0.0006	0.0394	0
Cobalt (mg/L)	WT-4	18	0.001054	0.0012	0.0002829	0.00055	0.000101	0.00511	22.22
Cobalt (mg/L)	WT-OF	6	0.000...	0.0002868	0.0001171	0.00074	0.000324	0.0012	0
Copper (mg/L)	ST-1	5	0.02	0	0	0.02	0.02	0.02	100
Copper (mg/L)	WT-1	27	0.00521	0.001703	0.0003278	0.005	0.00171	0.0114	85.19
Copper (mg/L)	WT-2	29	0.002355	0.00299	0.0005552	0.0018	0.0018	0.0179	96.55
Copper (mg/L)	WT-3	18	0.003414	0.000623	0.0001469	0.0032	0.0032	0.0052	83.33
Copper (mg/L)	WT-4	18	0.003417	0.0005306	0.0001251	0.0032	0.0032	0.00498	83.33
Copper (mg/L)	WT-OF	7	0.004143	0.002495	0.0009429	0.0032	0.0032	0.0098	85.71
Lead (mg/L)	ST-1	6	0.003933	0.0001633	0.0000...	0.004	0.0036	0.004	83.33
Lead (mg/L)	WT-1	27	0.000989	0.001614	0.0003107	0.0005	0.000421	0.00711	66.67

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 6/24/2025, 3:21 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Lead (mg/L)	WT-2	29	0.000...	0.002027	0.0003764	0.0005	0.000334	0.0114	82.76
Lead (mg/L)	WT-3	16	0.000...	0.0003225	0.0000...	0.00033	0.00033	0.00162	93.75
Lead (mg/L)	WT-4	17	0.000...	0.000648	0.0001572	0.00033	0.000206	0.00269	70.59
Lead (mg/L)	WT-OF	7	0.000...	0.0004347	0.0001643	0.00033	0.00033	0.00148	85.71
Nickel (mg/L)	ST-1	5	0.042	0.01789	0.008	0.05	0.01	0.05	80
Nickel (mg/L)	WT-1	27	0.008035	0.005306	0.001021	0.005	0.002	0.0256	29.63
Nickel (mg/L)	WT-2	28	0.02153	0.02043	0.003862	0.00924	0.0015	0.05	32.14
Nickel (mg/L)	WT-3	17	0.004686	0.003576	0.0008674	0.0038	0.0009	0.0152	17.65
Nickel (mg/L)	WT-4	18	0.01058	0.008681	0.002046	0.009565	0.0023	0.0336	11.11
Nickel (mg/L)	WT-OF	7	0.0146	0.01597	0.006035	0.00879	0.00304	0.0483	0
Selenium (mg/L)	ST-1	6	0.00465	0.0008573	0.00035	0.005	0.0029	0.005	83.33
Selenium (mg/L)	WT-1	29	0.001499	0.0003598	0.0000668	0.0014	0.00103	0.0029	86.21
Selenium (mg/L)	WT-2	31	0.001453	0.0001675	0.0000...	0.0014	0.0014	0.00205	90.32
Selenium (mg/L)	WT-3	18	0.001408	0.000033	0.0000...	0.0014	0.0014	0.00154	94.44
Selenium (mg/L)	WT-4	17	0.001409	0.0000...	0.0000...	0.0014	0.0014	0.00148	88.24
Selenium (mg/L)	WT-OF	6	0.00145	0.0001225	0.00005	0.0014	0.0014	0.0017	83.33
Silver (mg/L)	ST-1	5	0.02	0	0	0.02	0.02	0.02	100
Silver (mg/L)	WT-1	28	0.000...	0.0000...	0.0000...	0.0005	0.0005	0.00059	96.43
Silver (mg/L)	WT-2	30	0.0005	0	0	0.0005	0.0005	0.0005	100
Silver (mg/L)	WT-3	18	0.0005	0	0	0.0005	0.0005	0.0005	100
Silver (mg/L)	WT-4	17	0.0005	0	0	0.0005	0.0005	0.0005	100
Silver (mg/L)	WT-OF	7	0.0005	0	0	0.0005	0.0005	0.0005	100
Thallium (mg/L)	ST-1	5	0.002	0	0	0.002	0.002	0.002	100
Thallium (mg/L)	WT-1	28	0.000...	0.0000...	0.0000...	0.00057	0.0002	0.00057	96.43
Thallium (mg/L)	WT-2	29	0.000...	0.0001173	0.0000...	0.00057	0.000044	0.00057	89.66
Thallium (mg/L)	WT-3	18	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	WT-4	18	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	WT-OF	7	0.00057	0	0	0.00057	0.00057	0.00057	100
Vanadium (mg/L)	ST-1	5	0.05	0	0	0.05	0.05	0.05	100
Vanadium (mg/L)	WT-1	27	0.005872	0.004649	0.0008946	0.005	0.00114	0.022	77.78
Vanadium (mg/L)	WT-2	29	0.005307	0.004129	0.0007668	0.005	0.000598	0.0258	86.21
Vanadium (mg/L)	WT-3	17	0.002014	0.001293	0.0003135	0.0017	0.0017	0.00703	94.12
Vanadium (mg/L)	WT-4	17	0.002499	0.002312	0.0005608	0.0017	0.00142	0.00899	82.35
Vanadium (mg/L)	WT-OF	7	0.001941	0.0006388	0.0002414	0.0017	0.0017	0.00339	85.71
Zinc (mg/L)	ST-1	6	0.0809	0.03089	0.01261	0.1	0.0287	0.1	66.67
Zinc (mg/L)	WT-1	29	0.0213	0.004749	0.0008819	0.02	0.00788	0.0335	79.31
Zinc (mg/L)	WT-2	30	0.01424	0.01466	0.002676	0.0097	0.00794	0.0822	80
Zinc (mg/L)	WT-3	16	0.01318	0.001186	0.0002964	0.013	0.0115	0.0174	87.5
Zinc (mg/L)	WT-4	17	0.0133	0.001036	0.0002512	0.013	0.0128	0.0172	76.47
Zinc (mg/L)	WT-OF	7	0.0138	0.002117	0.0008	0.013	0.013	0.0186	85.71

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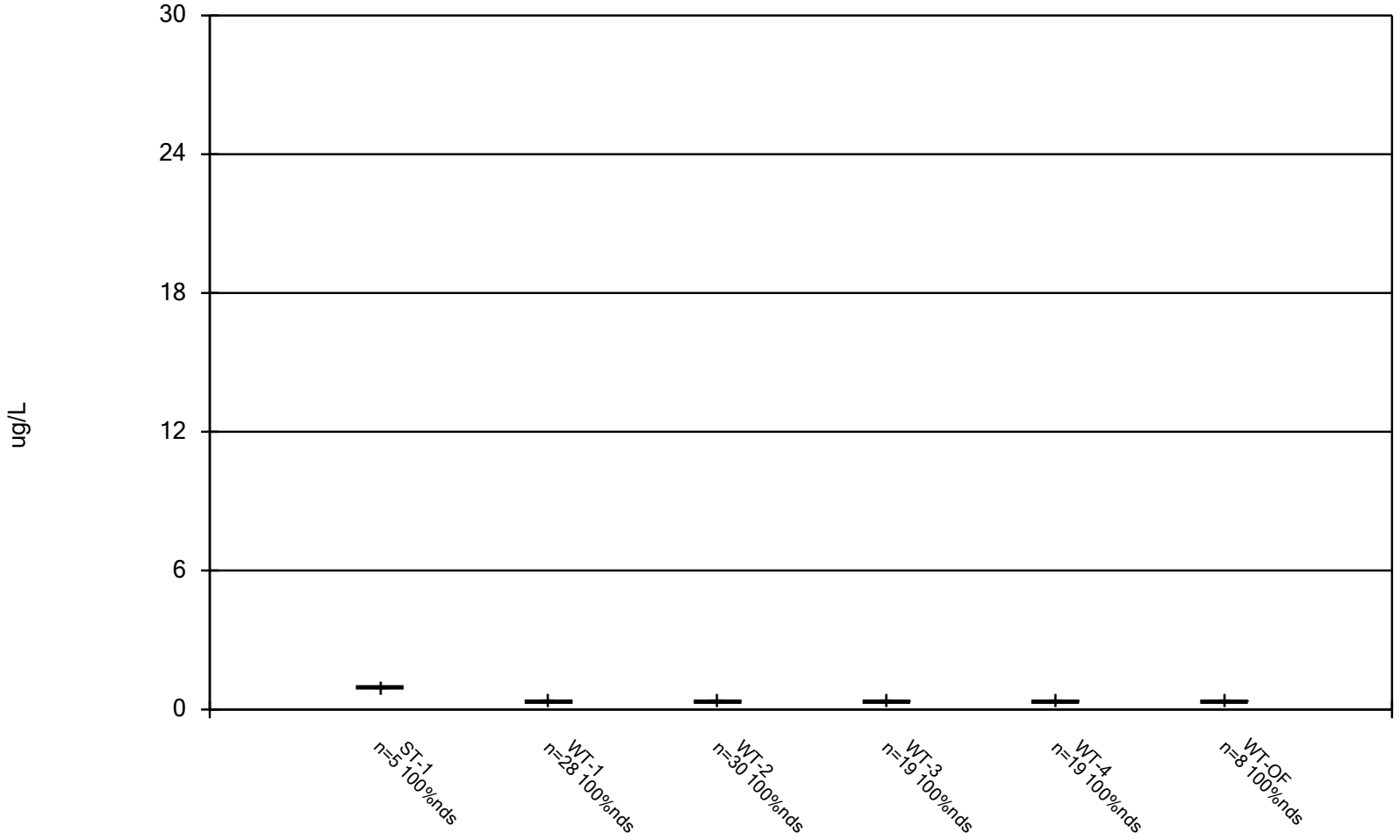
Box & Whiskers Plot



Constituent: 1,1,1,2-Tetrachloroethane Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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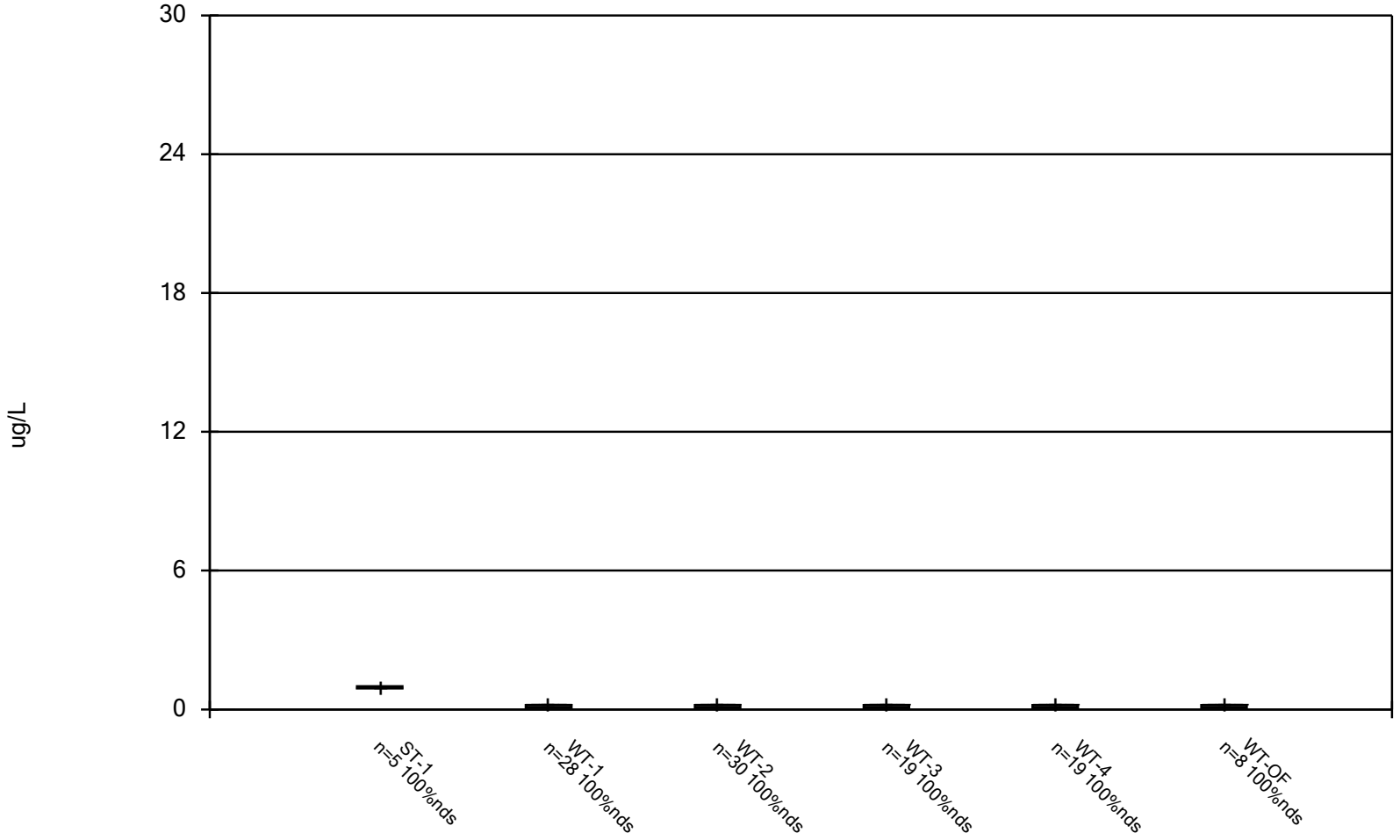

Constituent: 1,1,1-Trichloroethane Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

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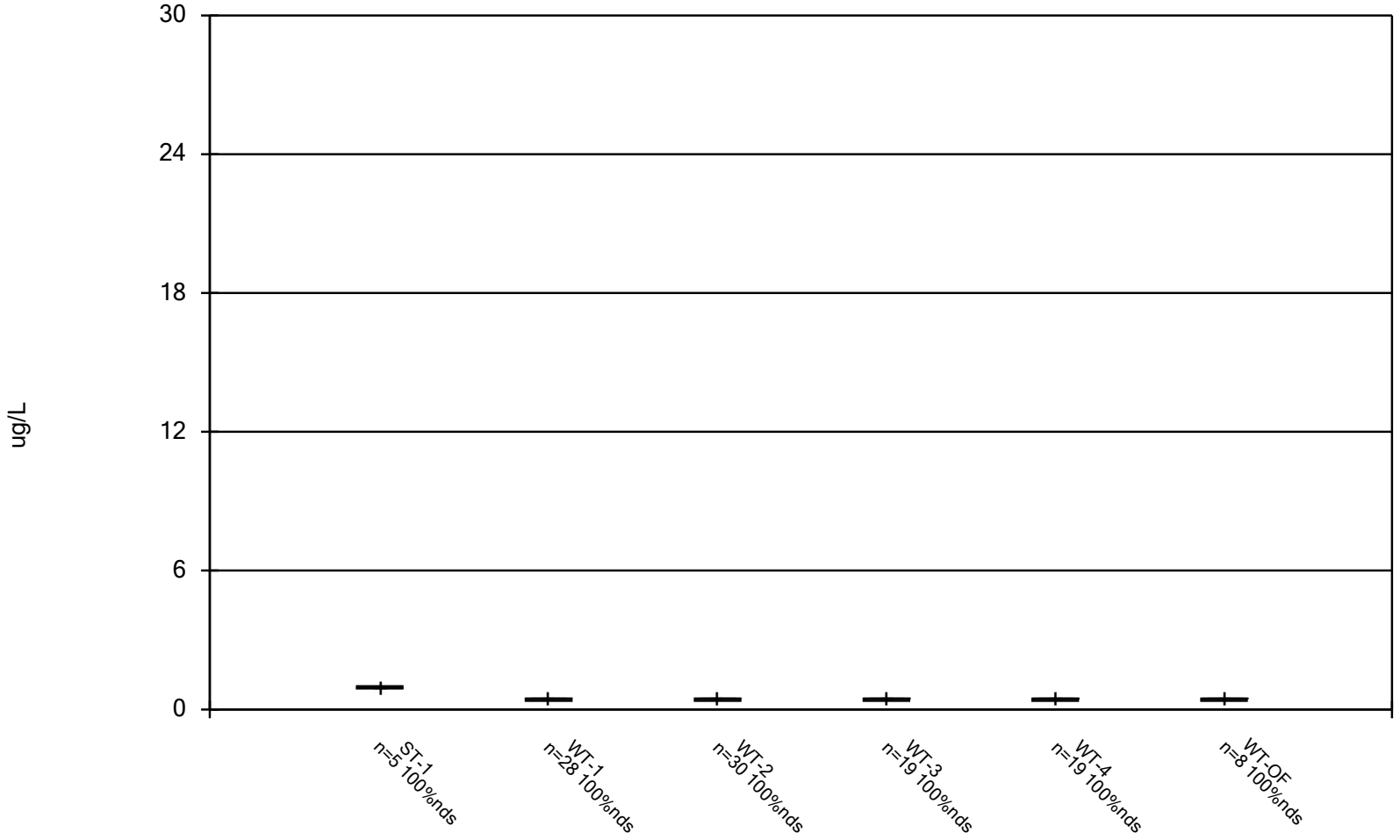

Constituent: 1,1,2,2-Tetrachloroethane Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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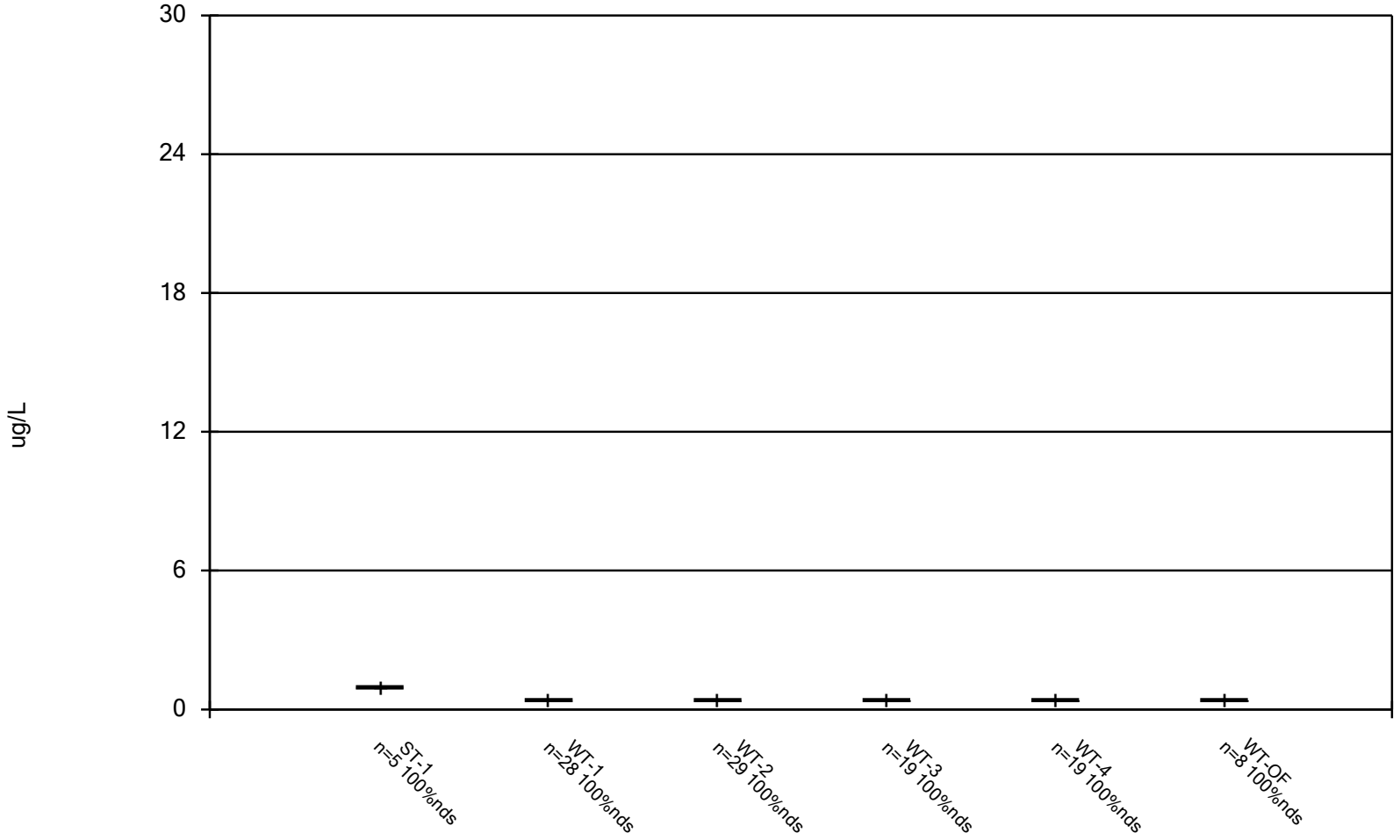
Box & Whiskers Plot



Constituent: 1,1,2-Trichloroethane Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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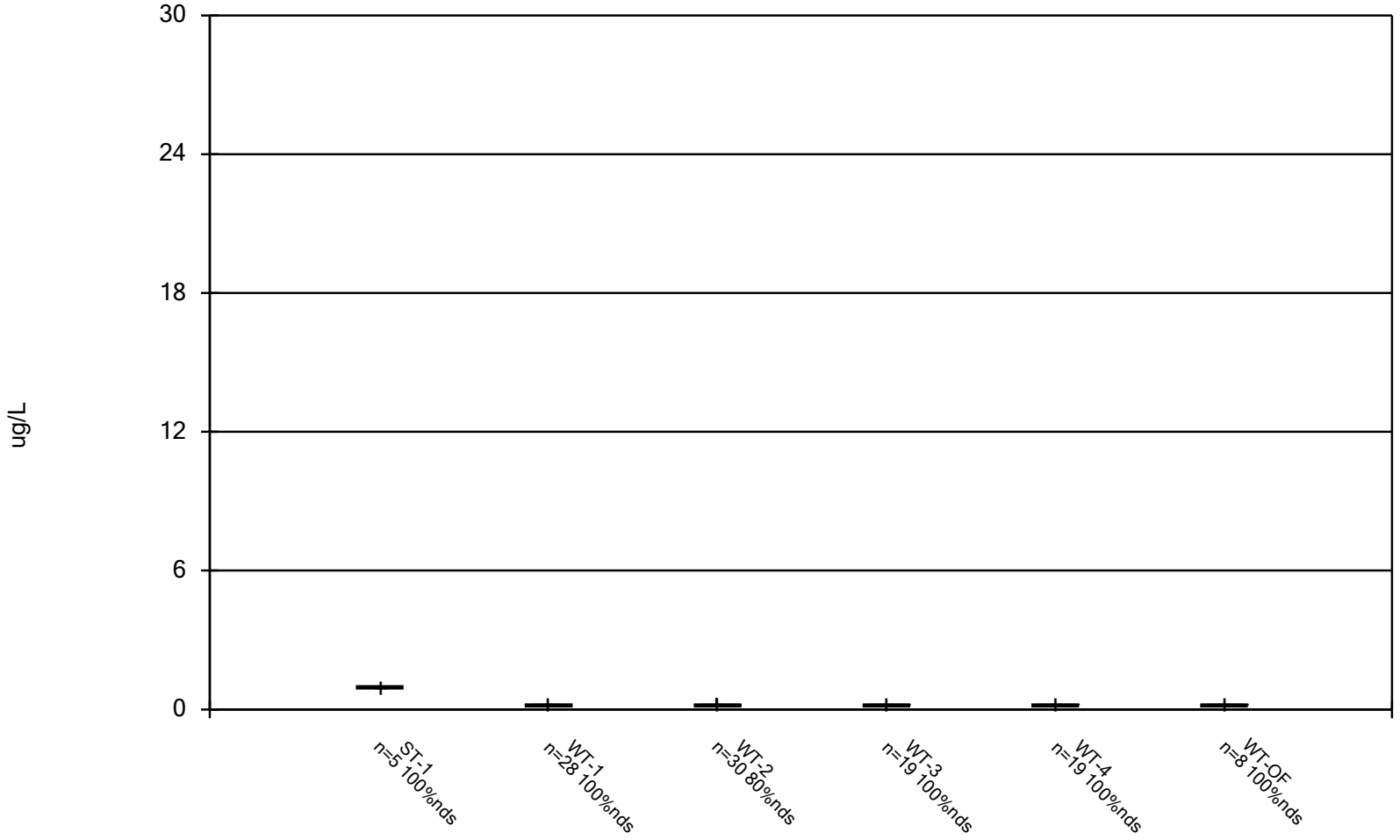
Box & Whiskers Plot



Constituent: 1,1-Dichloroethane Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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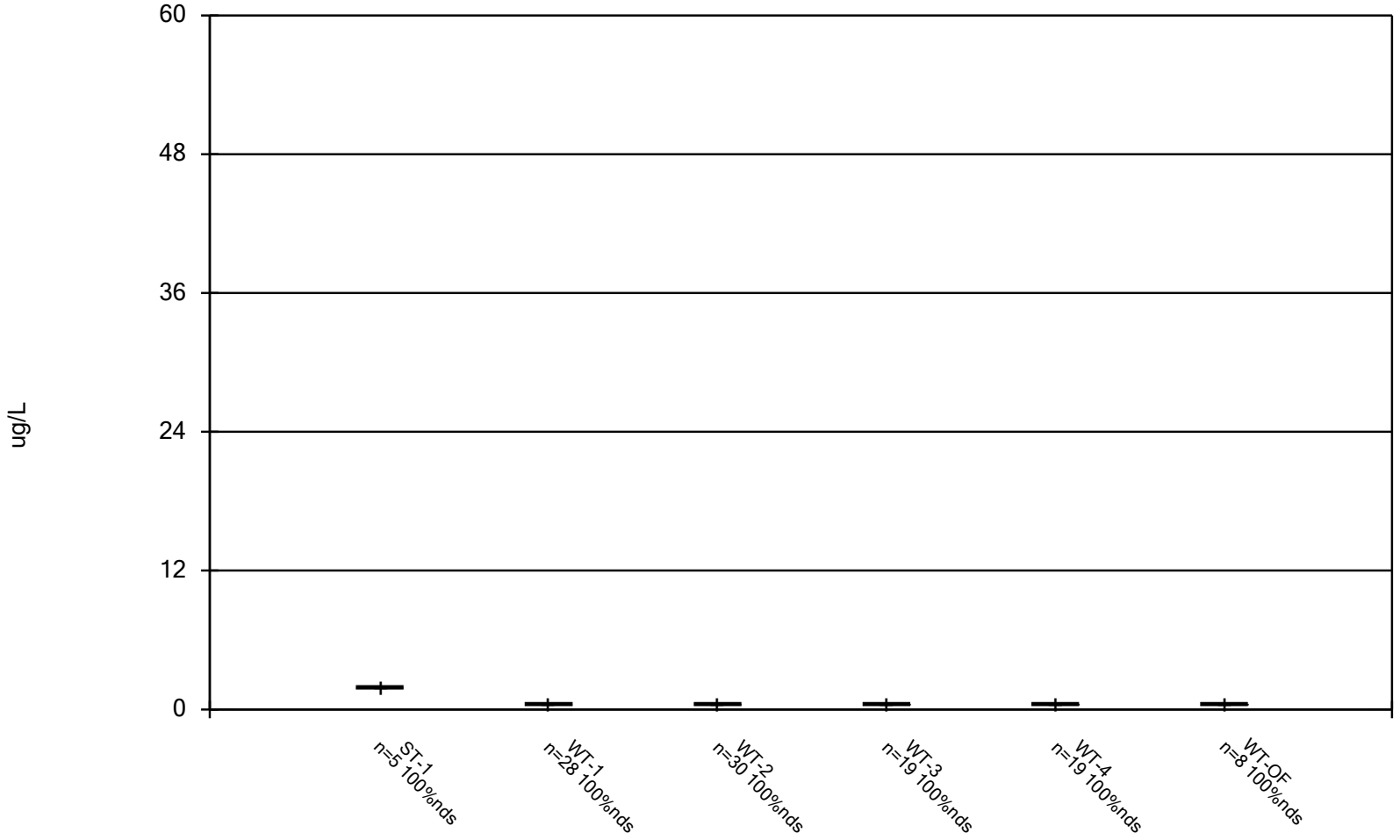
Box & Whiskers Plot



Constituent: 1,1-Dichloroethene Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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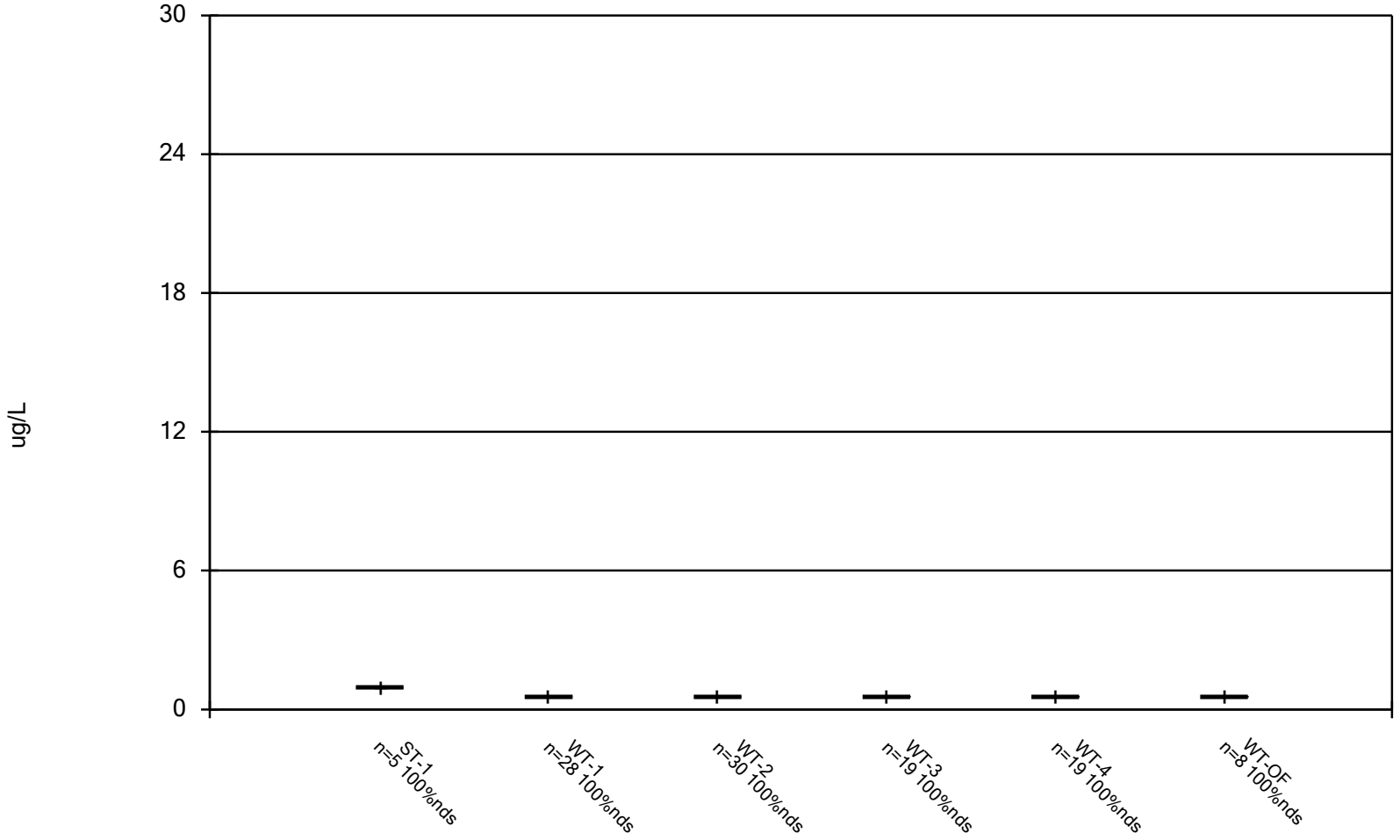

Constituent: 1,2,3-Trichloropropane Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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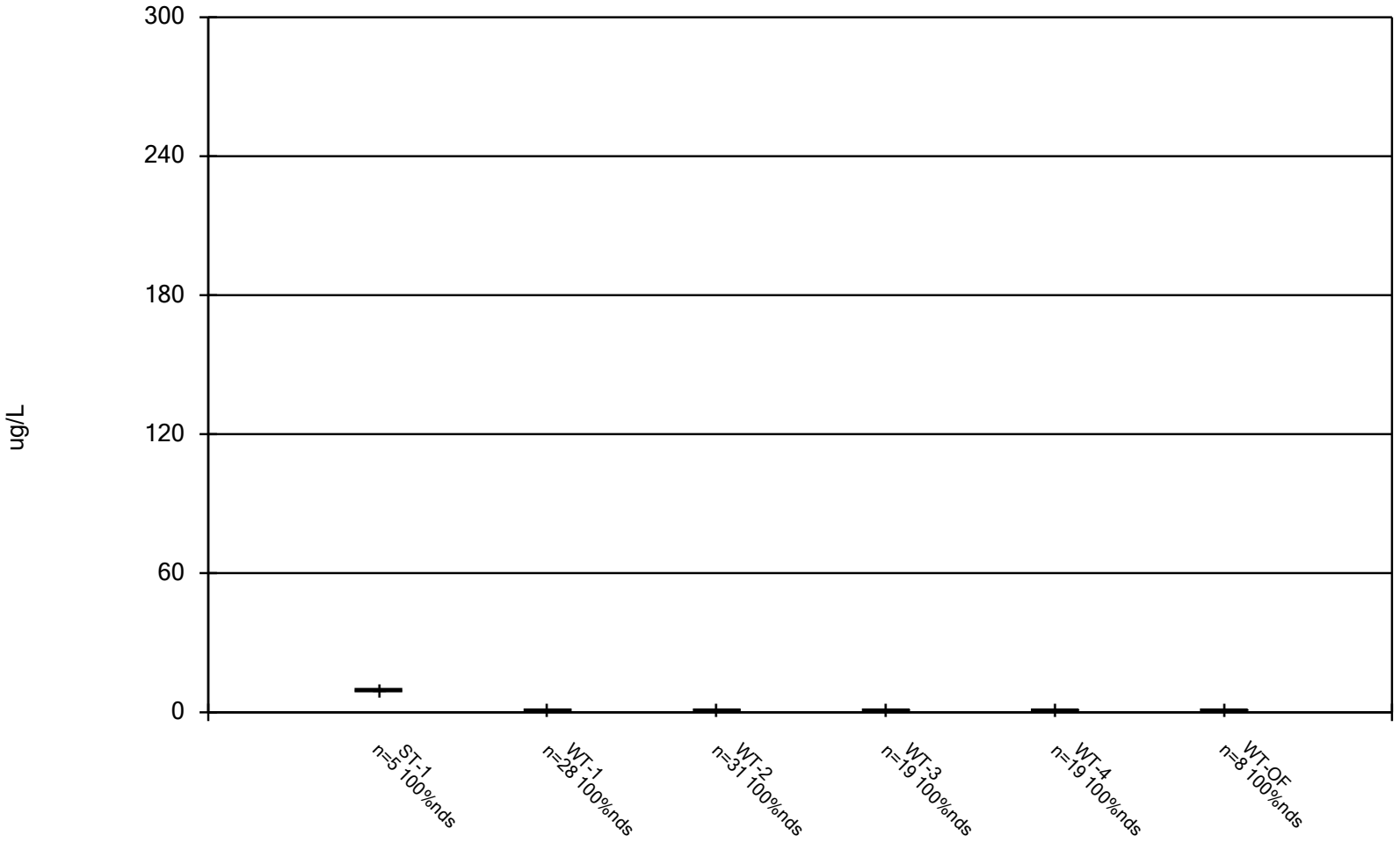

Constituent: 1,2-Dibromo-3-Chloropropane Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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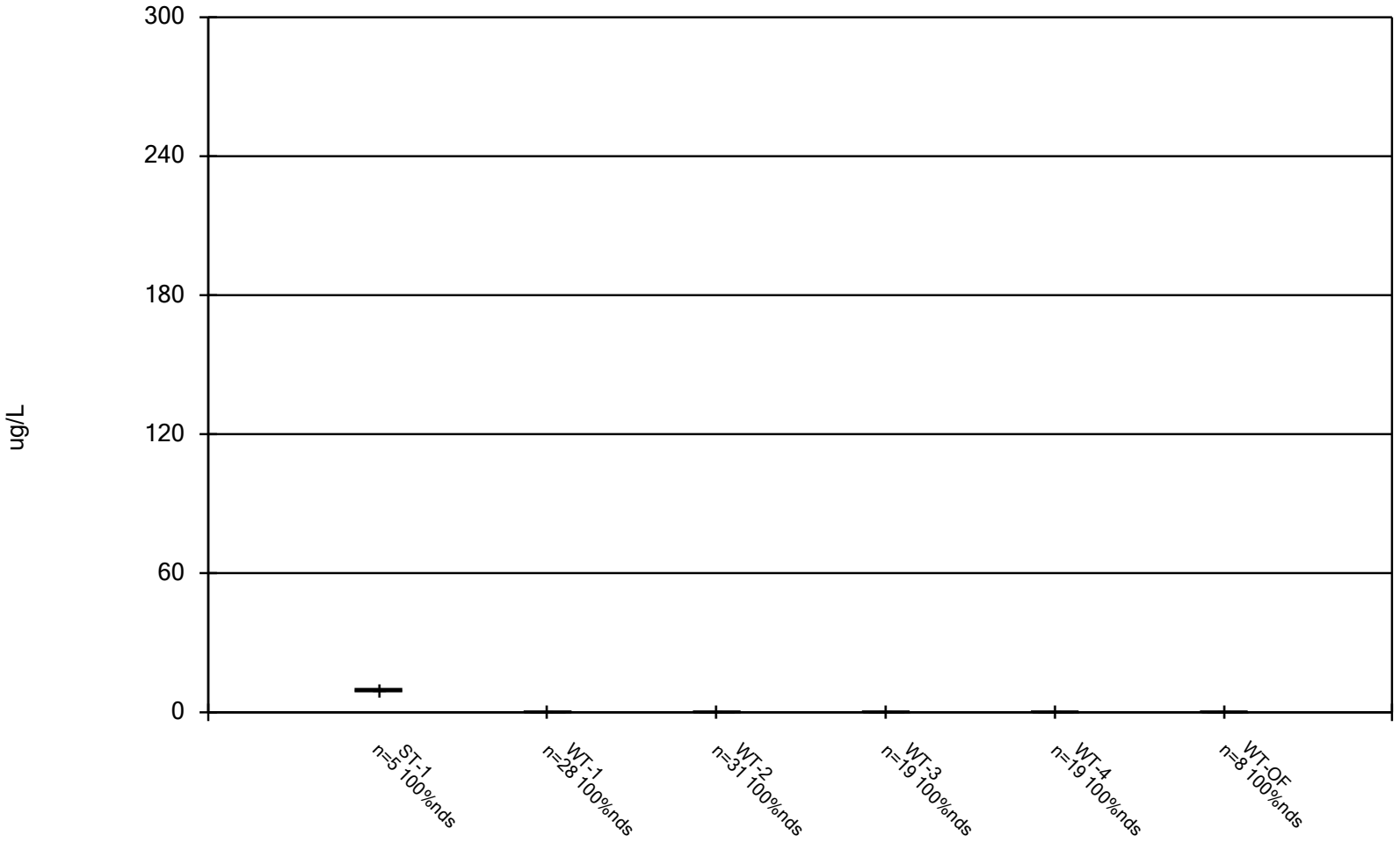

Constituent: 1,2-Dibromoethane [EDB] Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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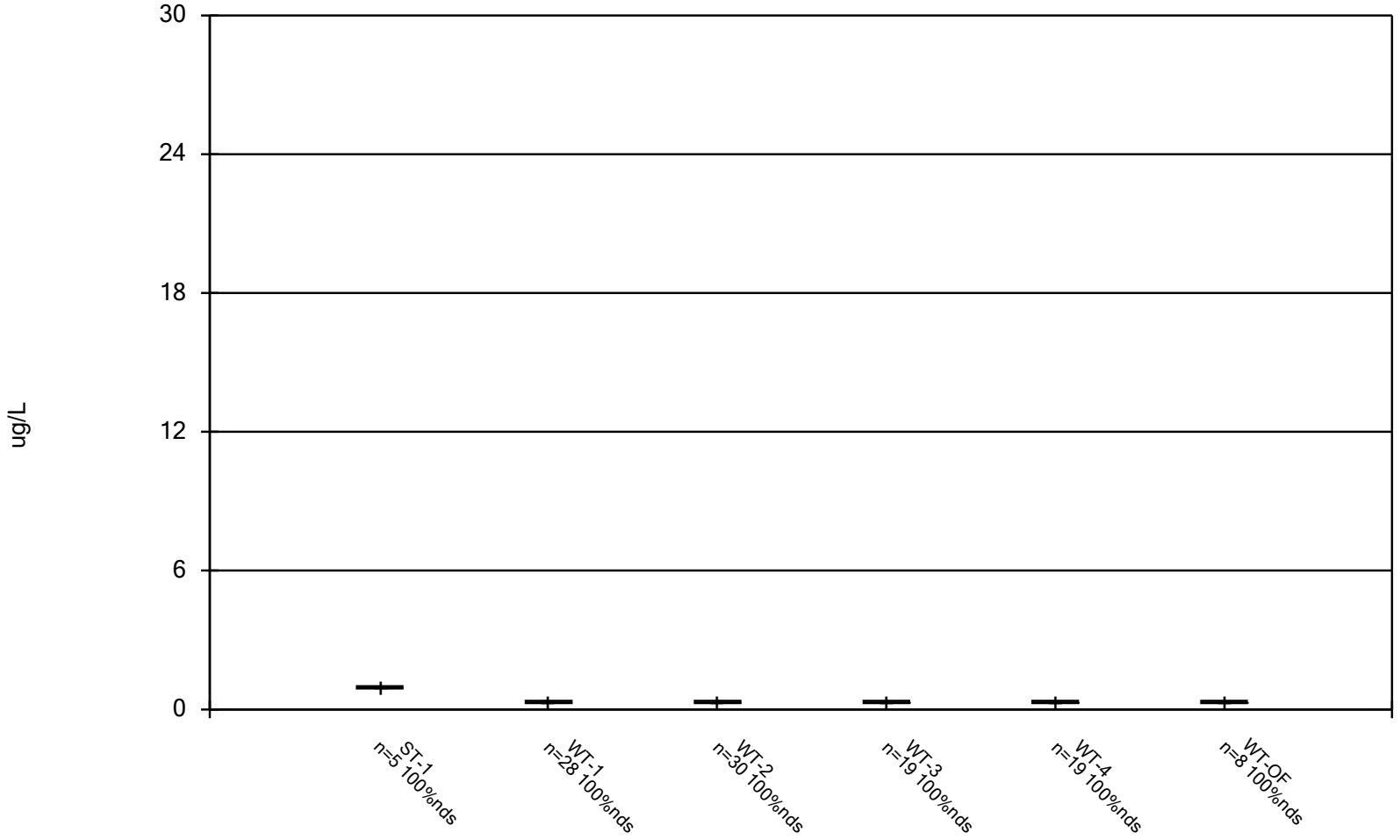

Constituent: 1,2-Dichlorobenzene Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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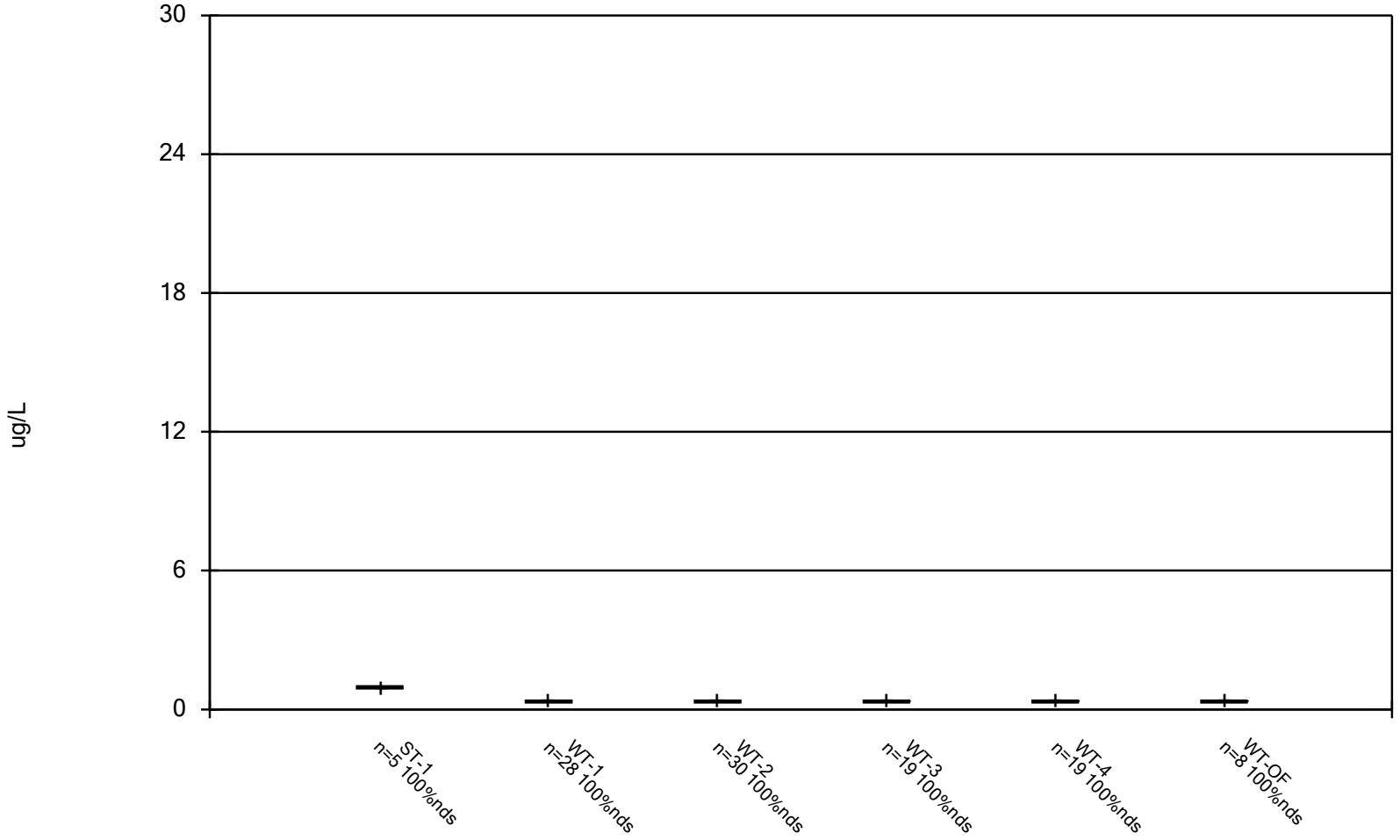

Constituent: 1,2-Dichloroethane Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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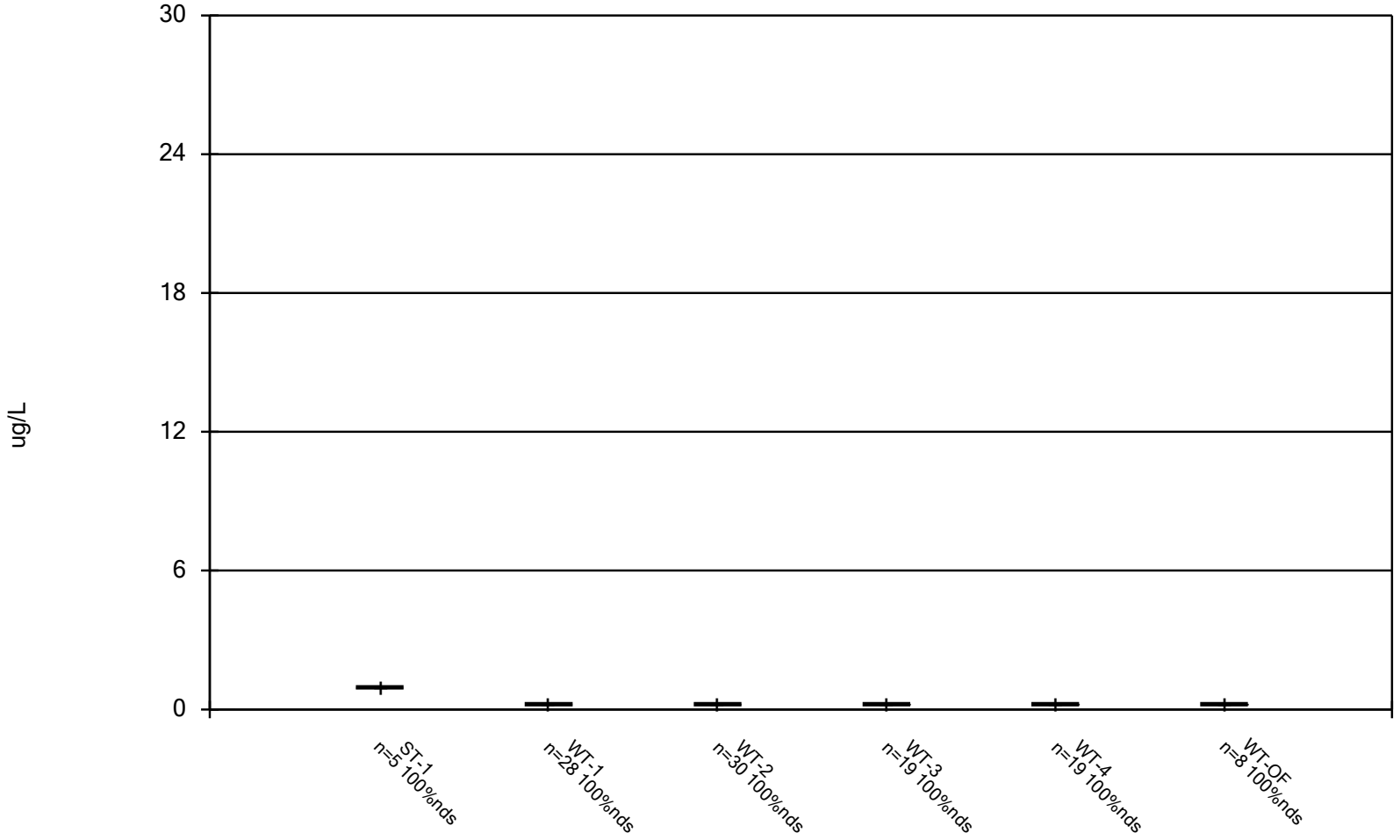

Constituent: 1,2-Dichloropropane Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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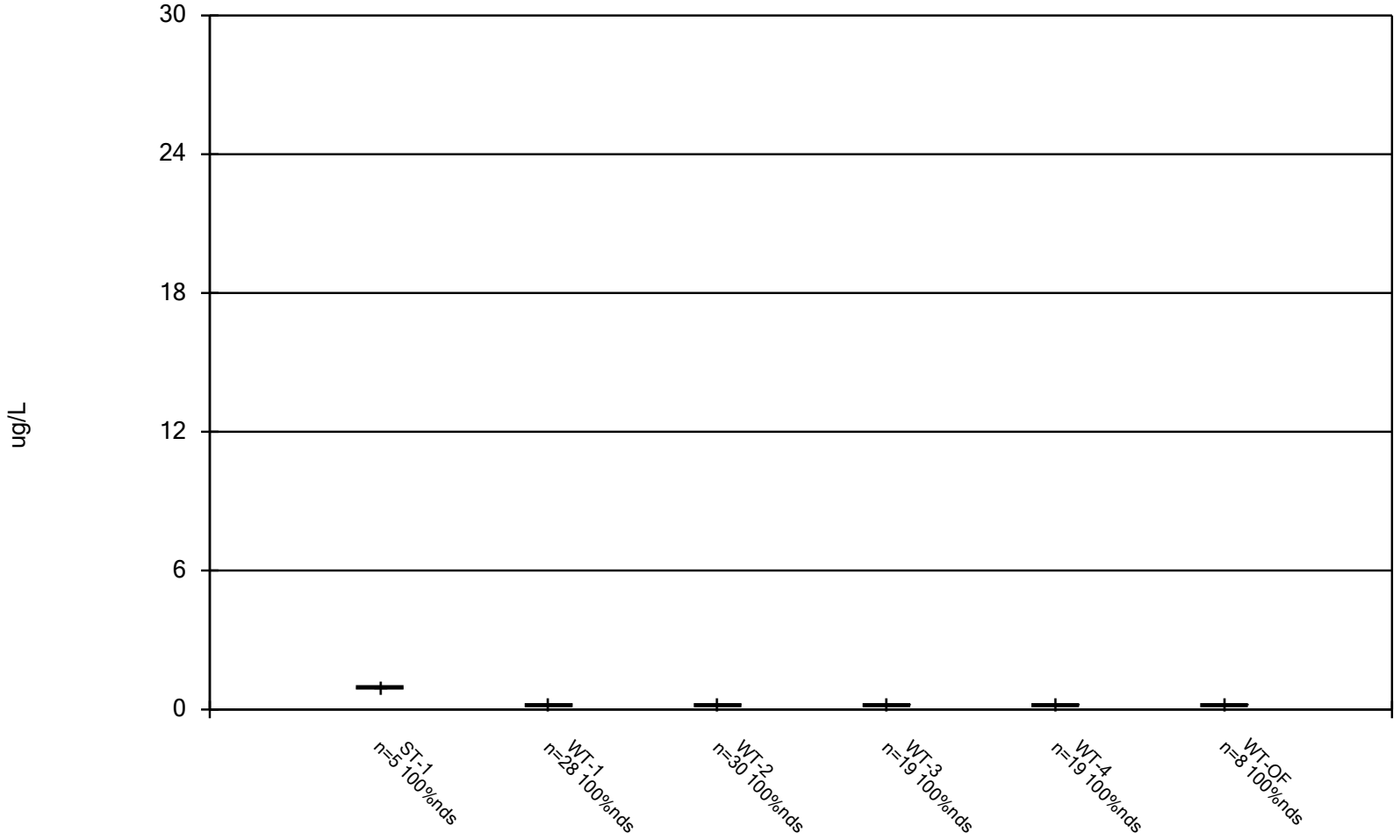
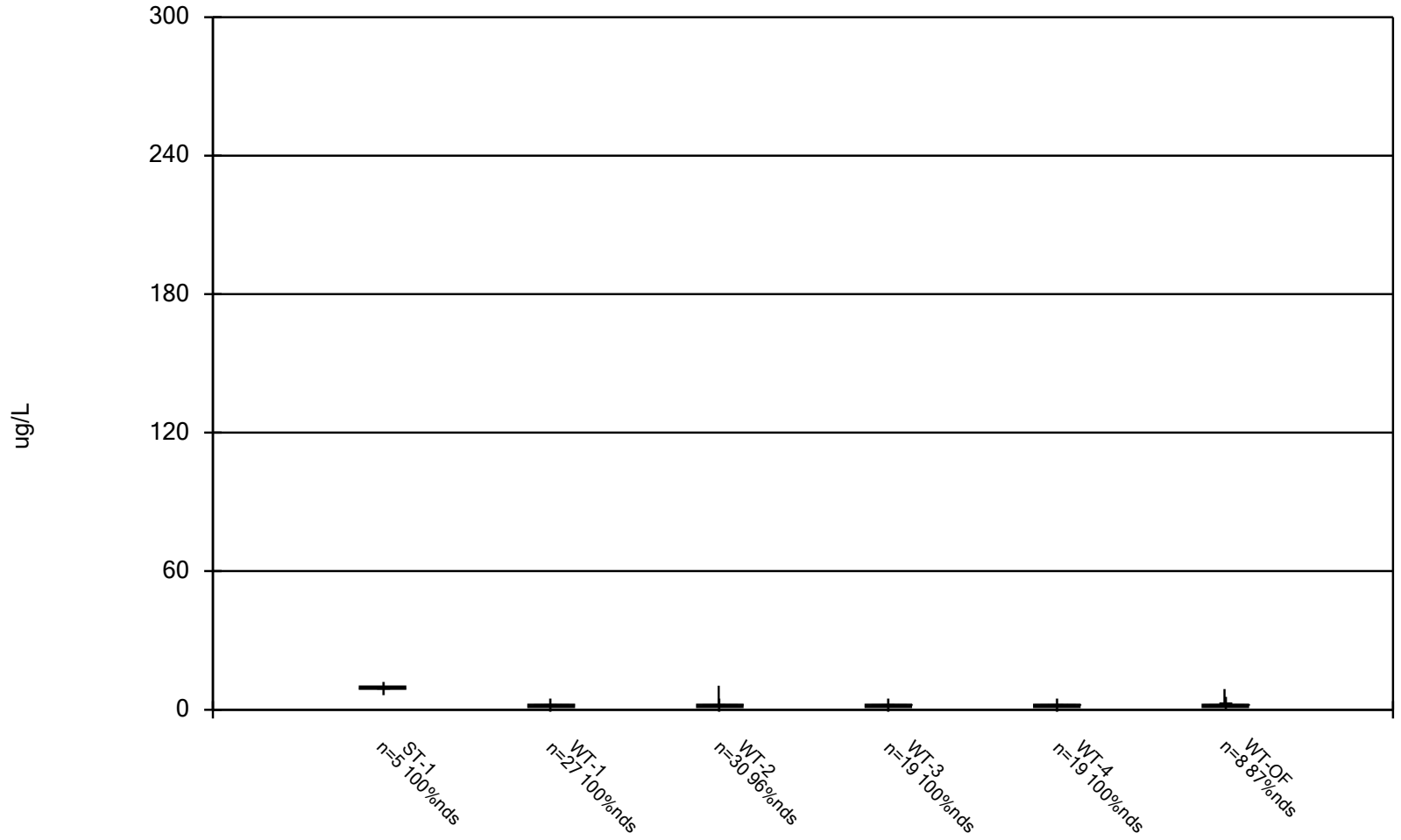


Constituent: 1,4-Dichlorobenzene Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Box & Whiskers Plot



Constituent: 2-Butanone [MEK] Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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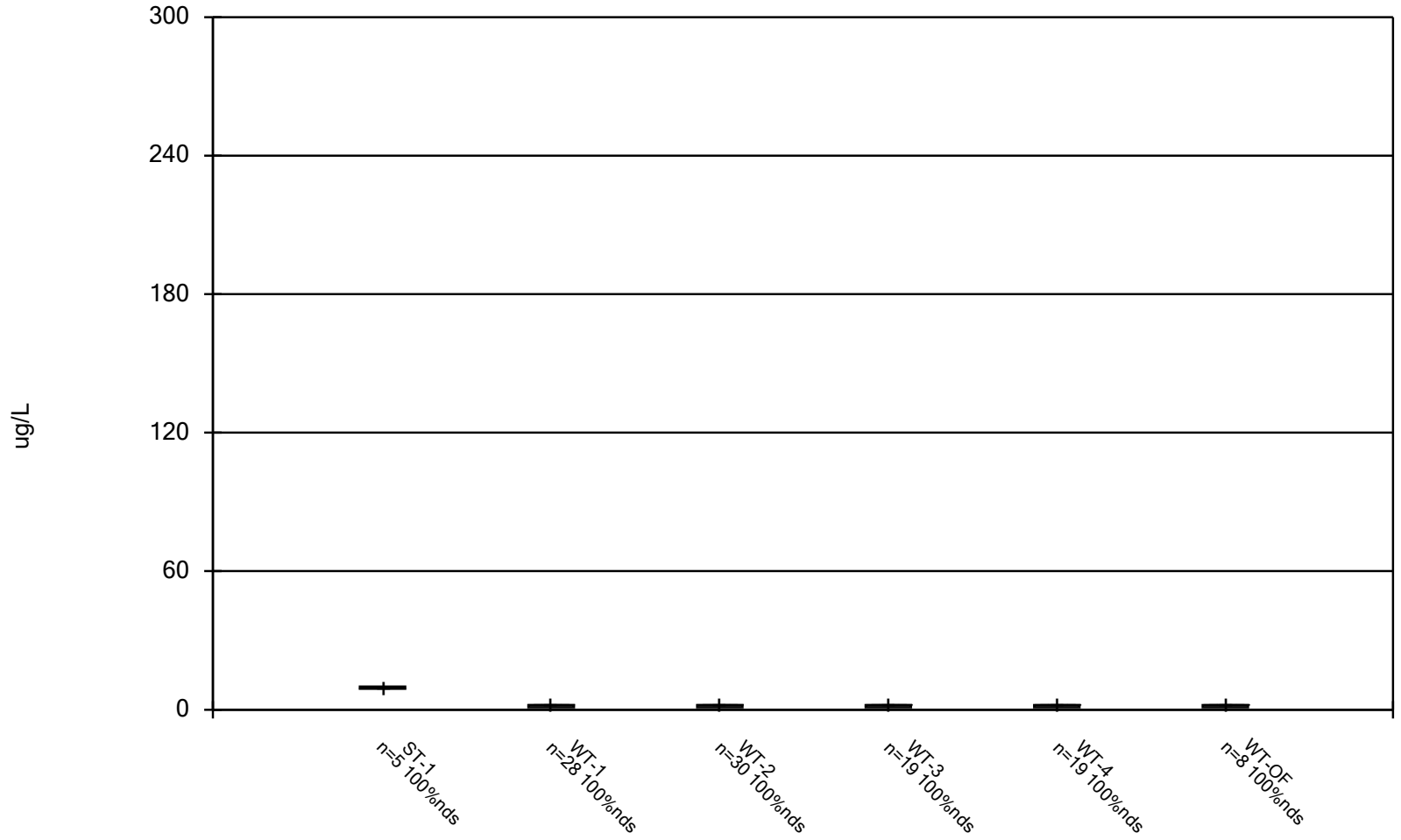

Constituent: 2-Hexanone Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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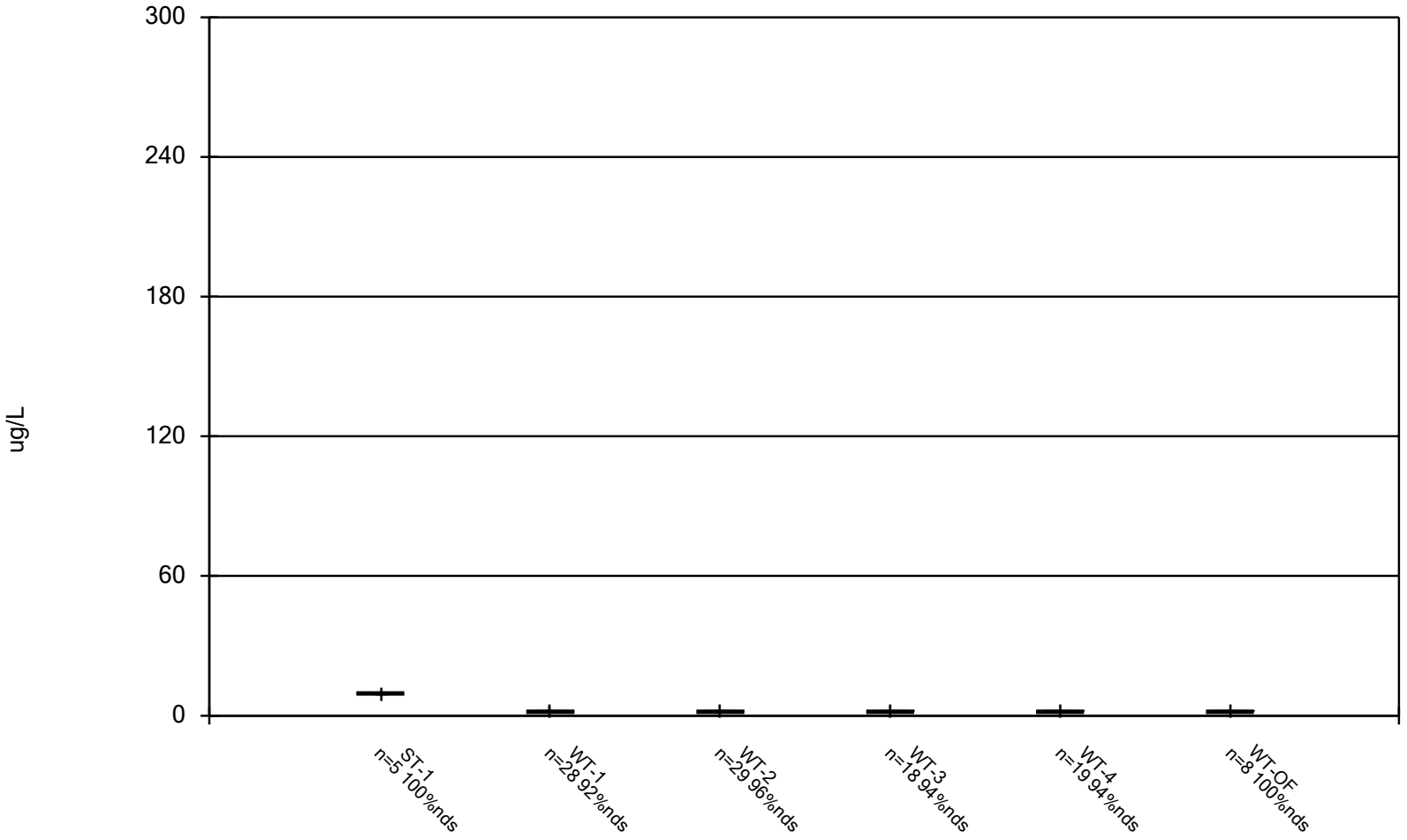

Constituent: 4-Methyl-2-pentanone [MIBK] Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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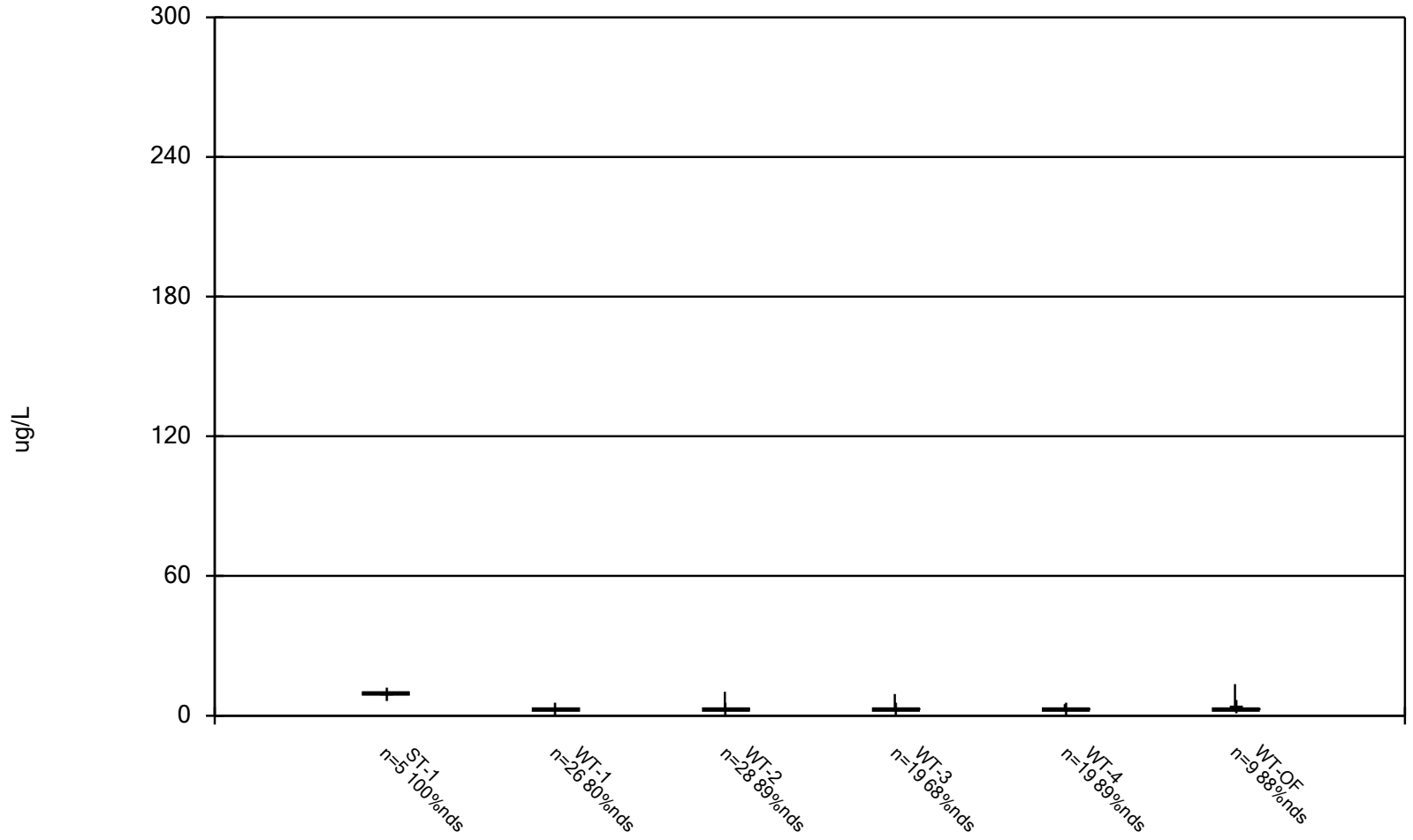
Box & Whiskers Plot



Constituent: Acetone Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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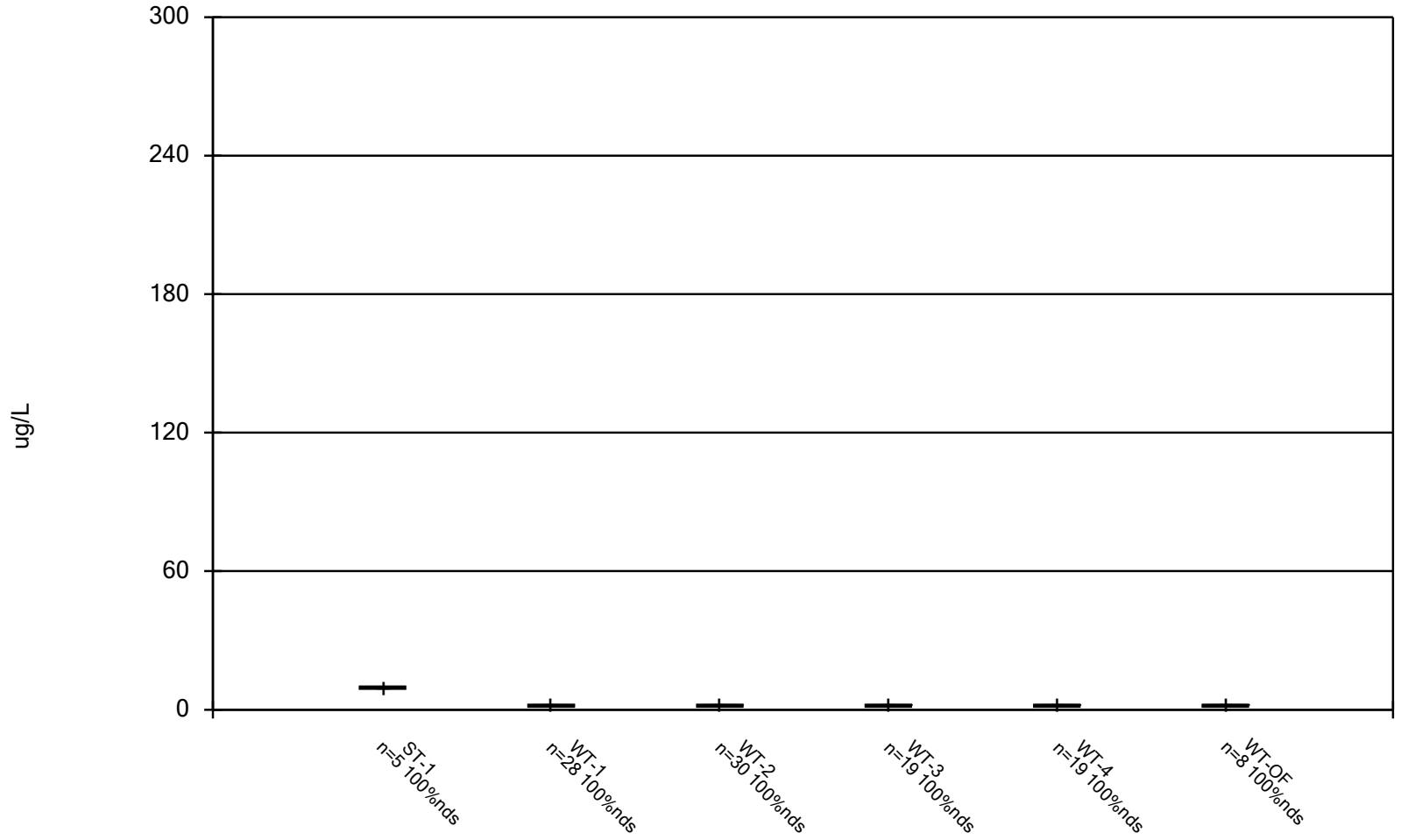

Constituent: Acrylonitrile Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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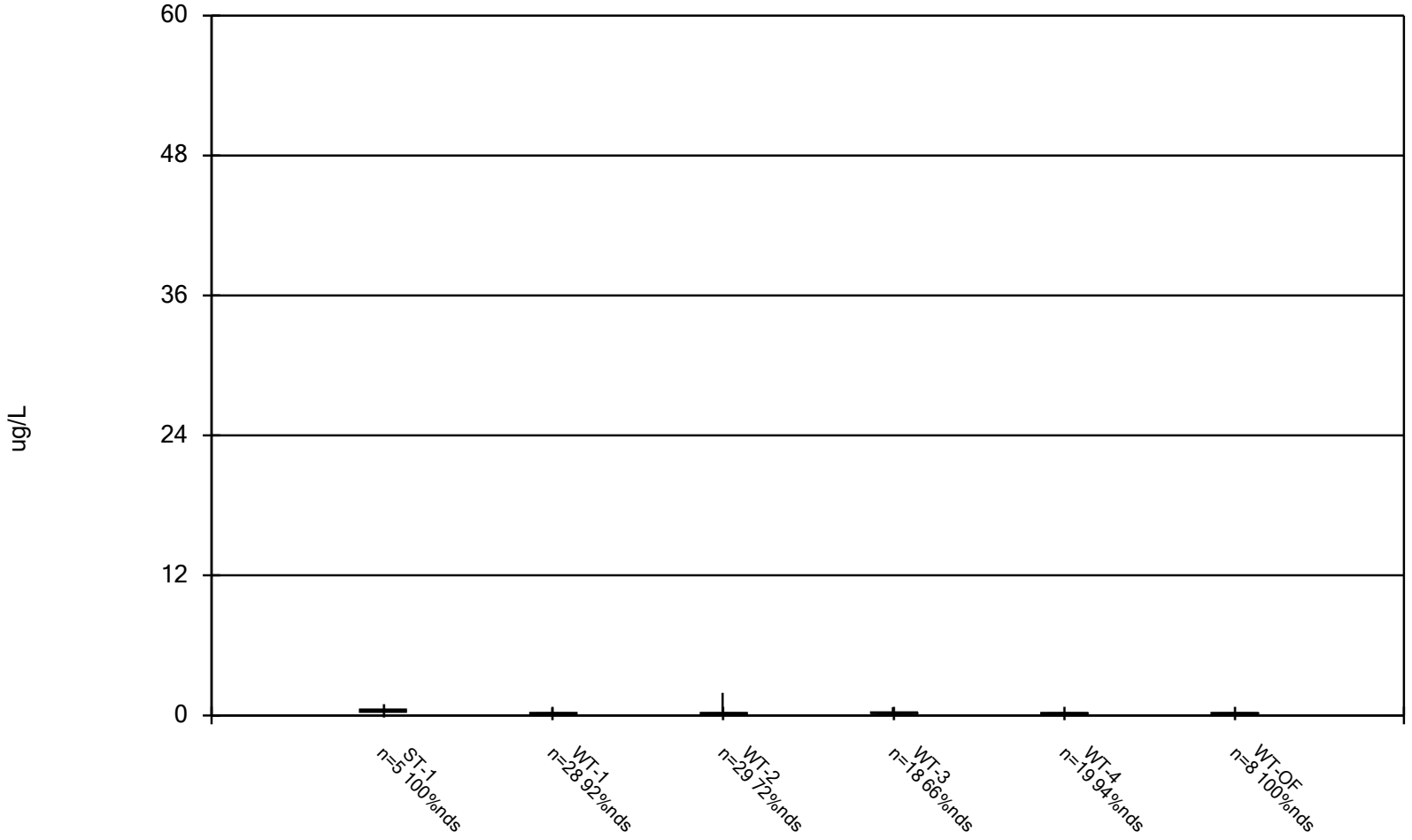

Constituent: Benzene Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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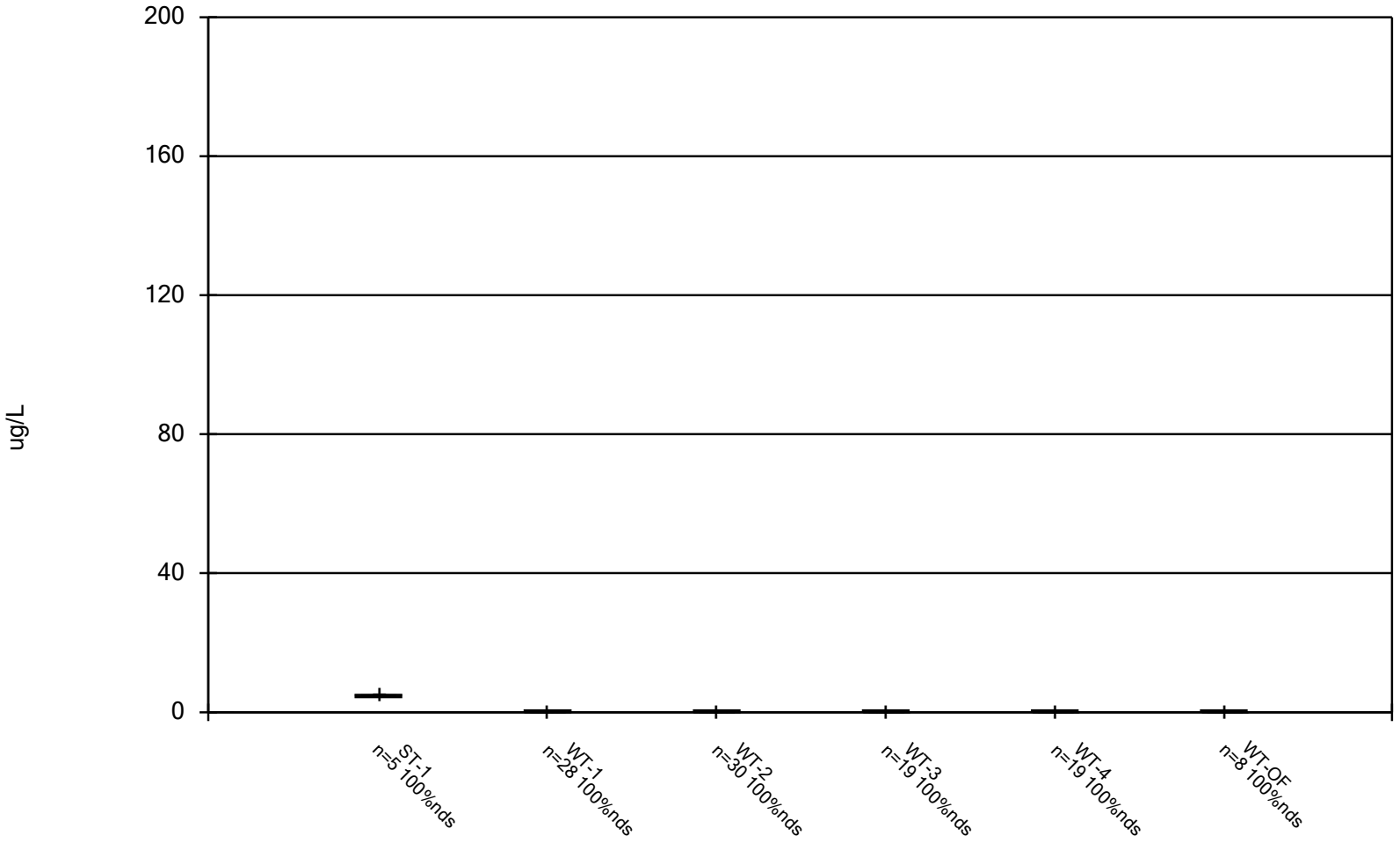

Constituent: Bromochloromethane Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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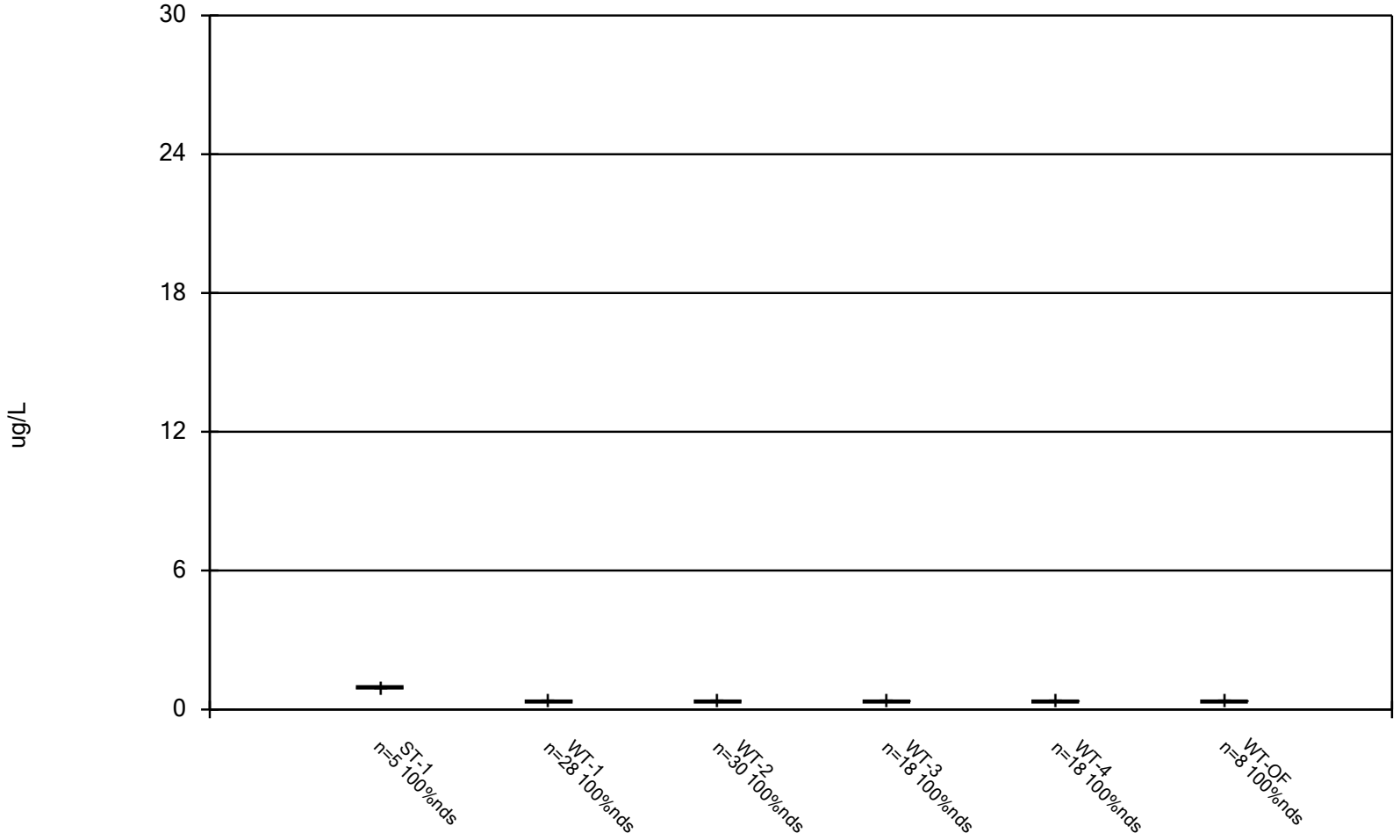
Box & Whiskers Plot



Constituent: Bromodichloromethane Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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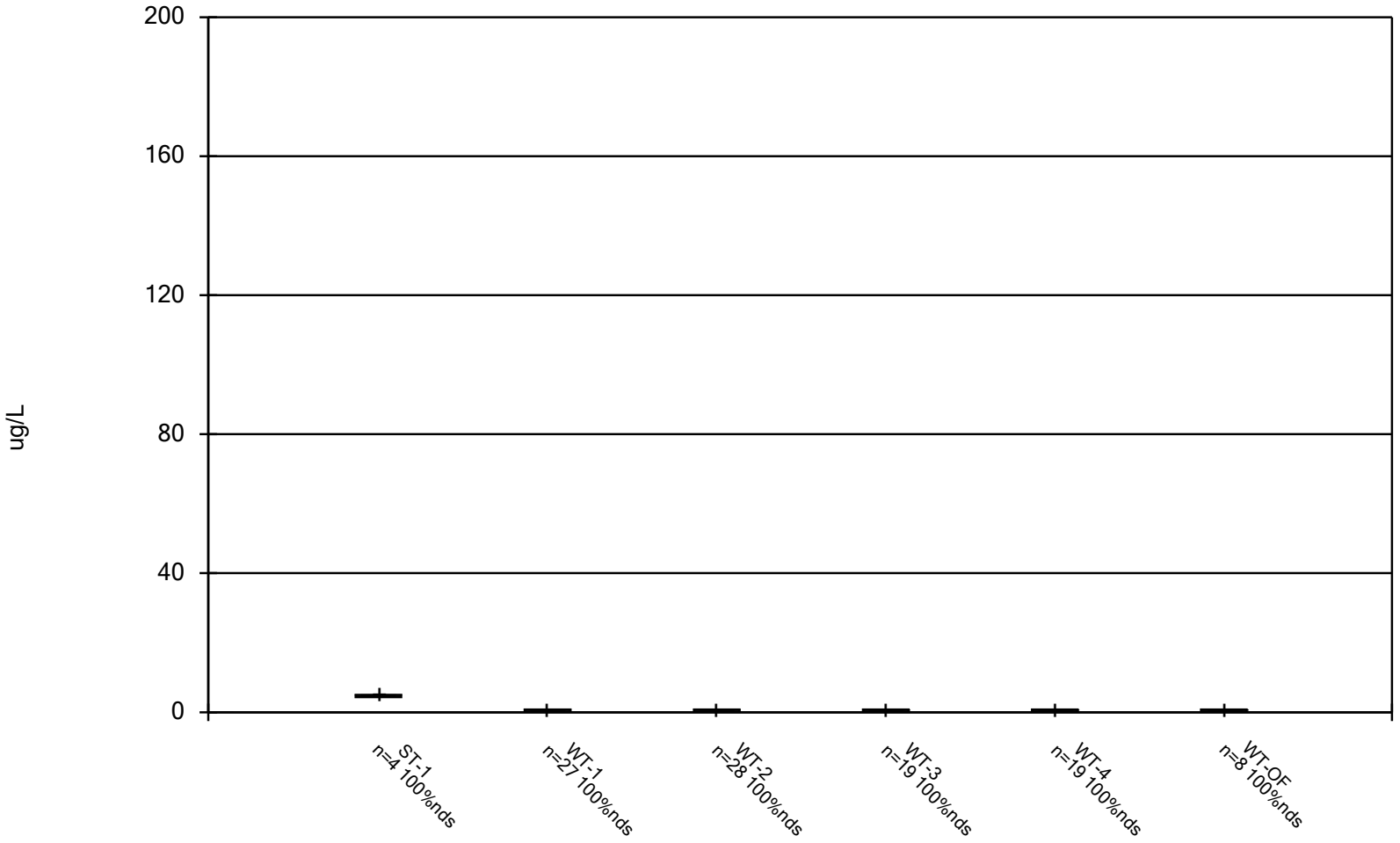
Box & Whiskers Plot



Constituent: Bromoform Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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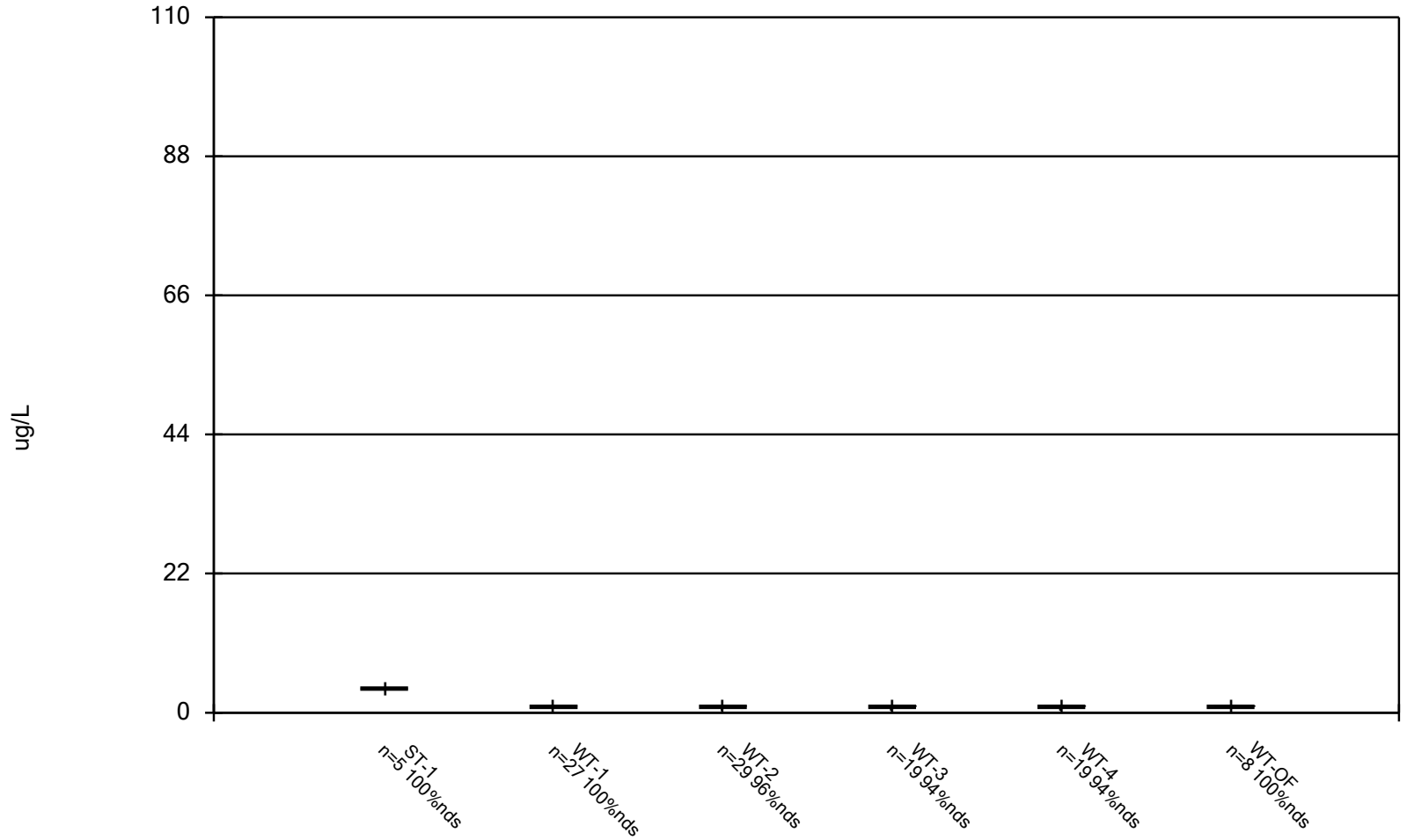
Box & Whiskers Plot



Constituent: Bromomethane Analysis Run 7/13/2025 10:43 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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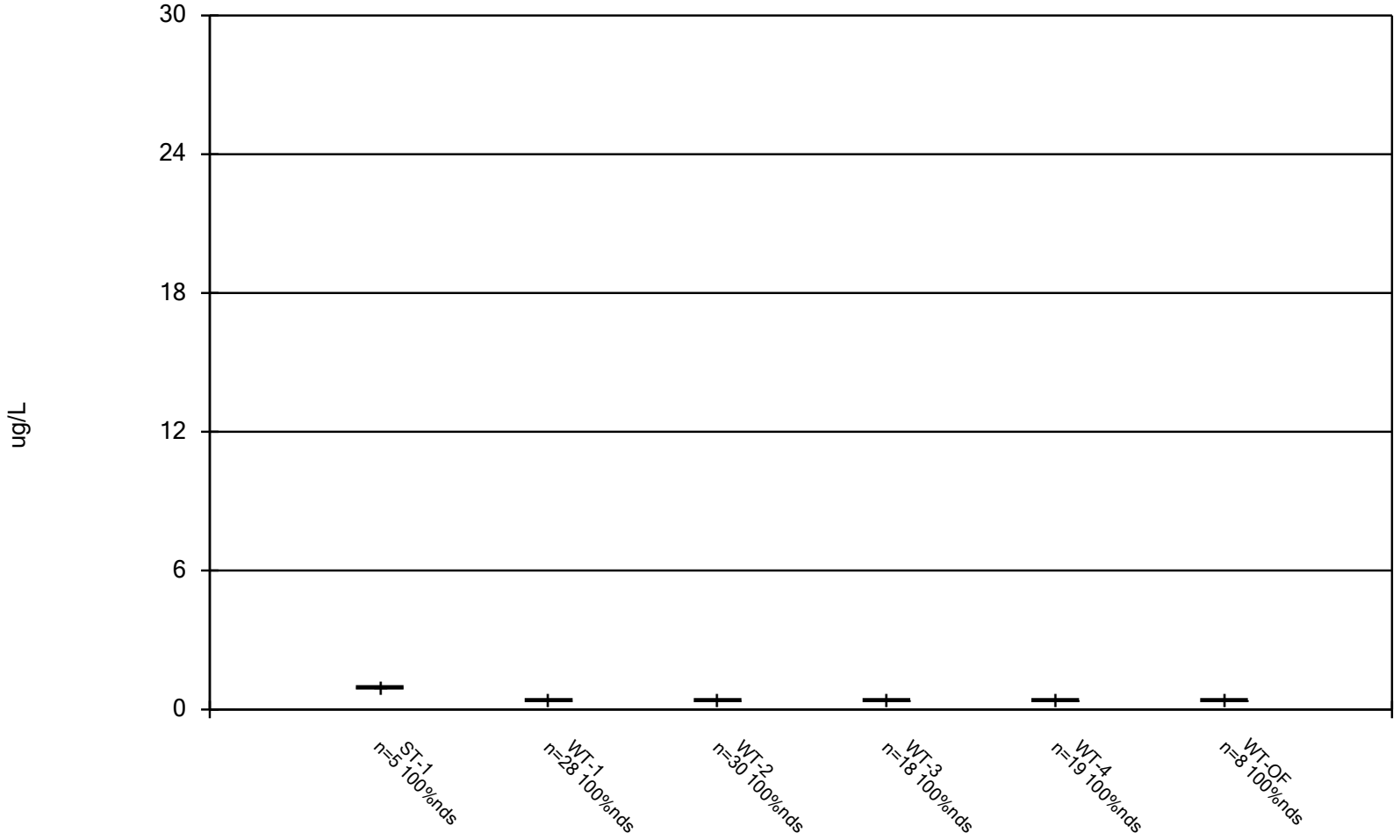

Constituent: Carbon Disulfide Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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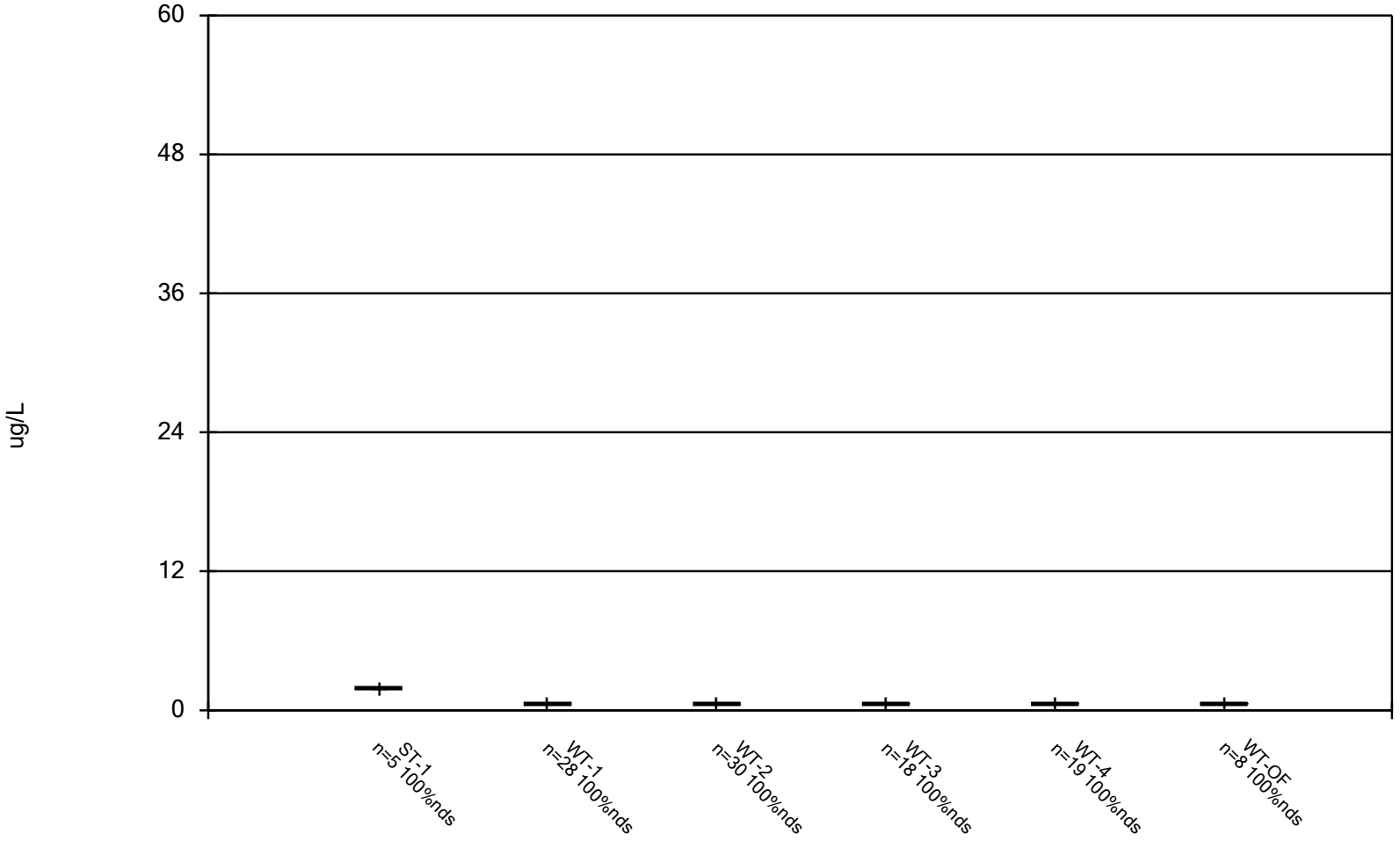

Constituent: Carbon Tetrachloride Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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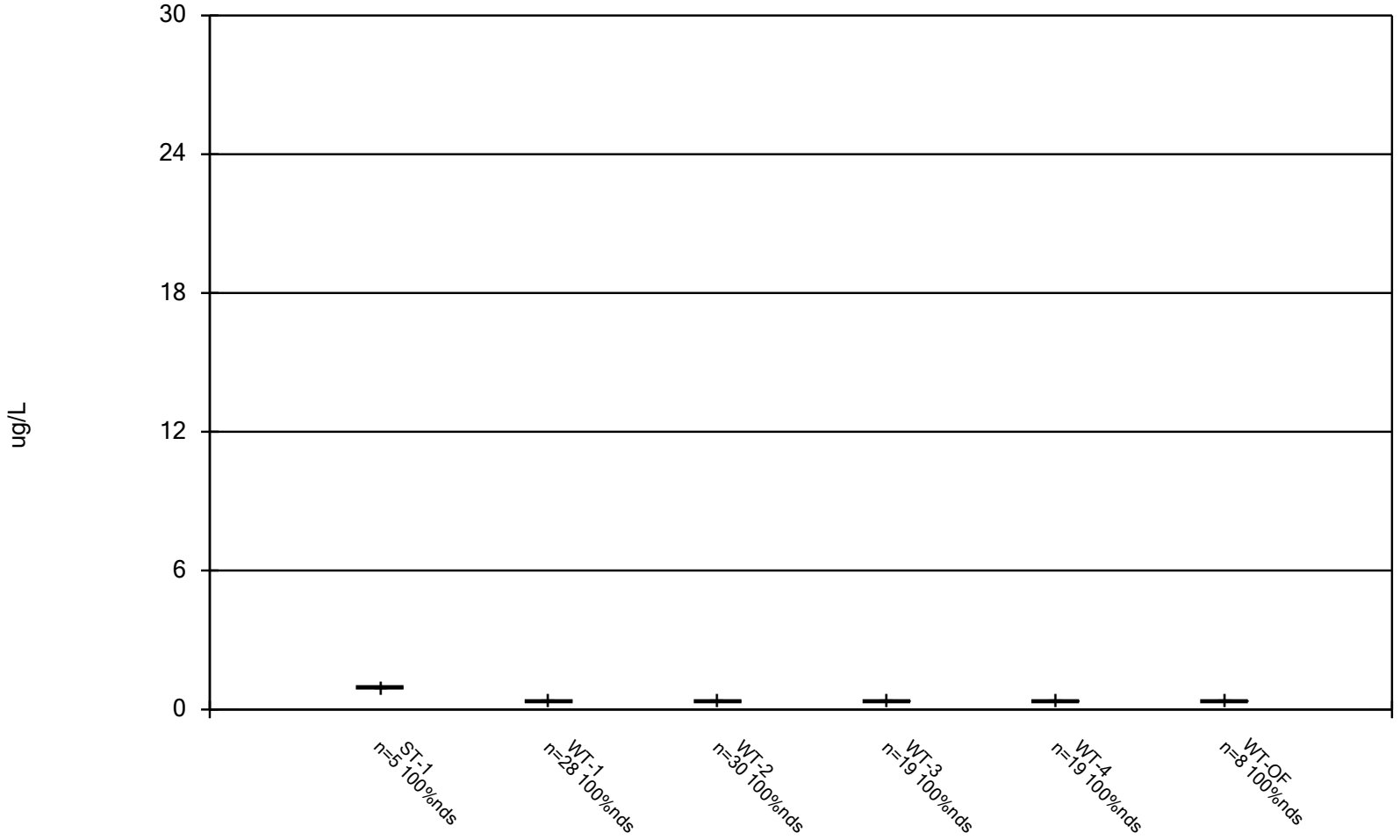
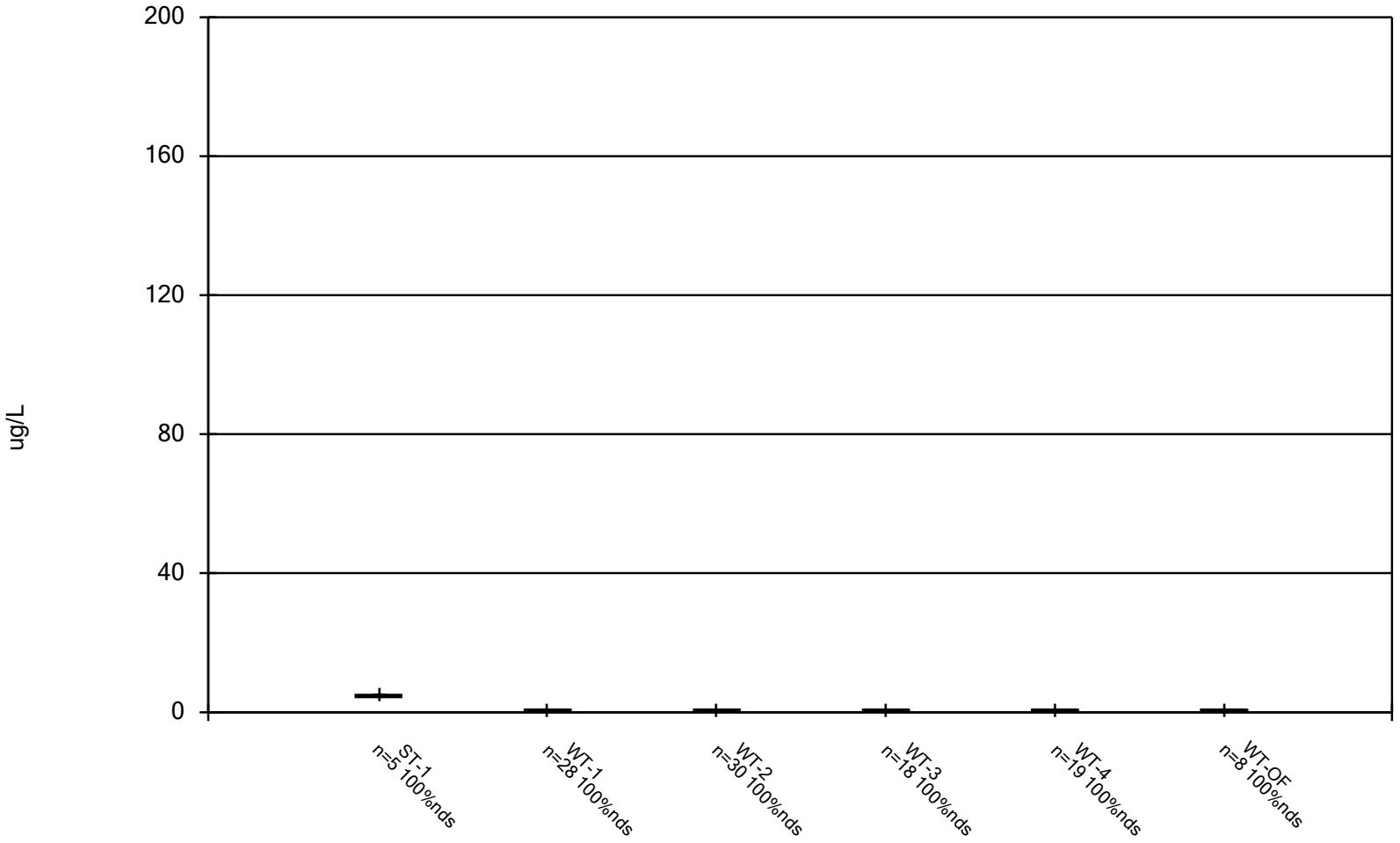
Box & Whiskers Plot



Constituent: Chlorobenzene Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Box & Whiskers Plot



Constituent: Chlorodibromomethane Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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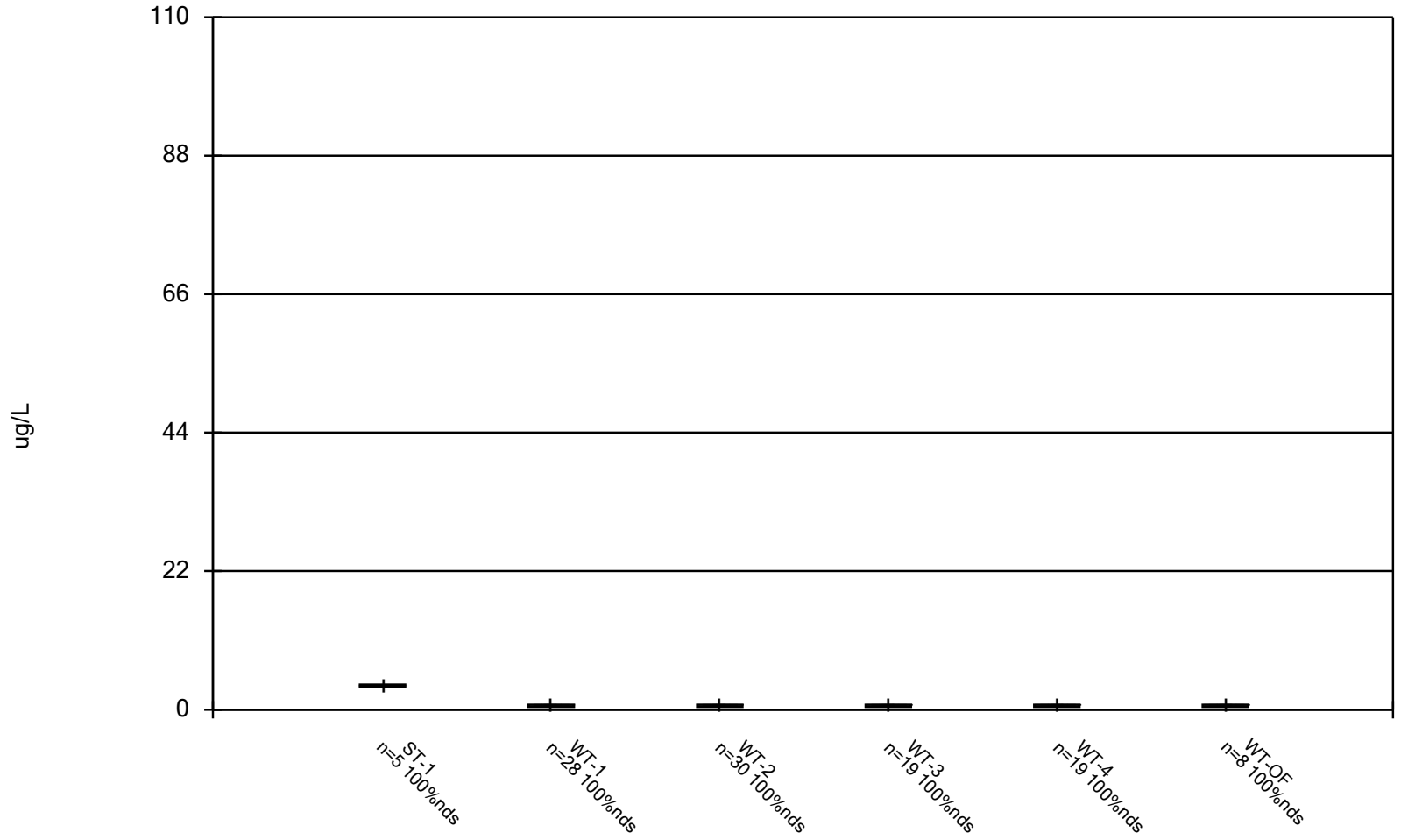
Box & Whiskers Plot



Constituent: Chloroethane Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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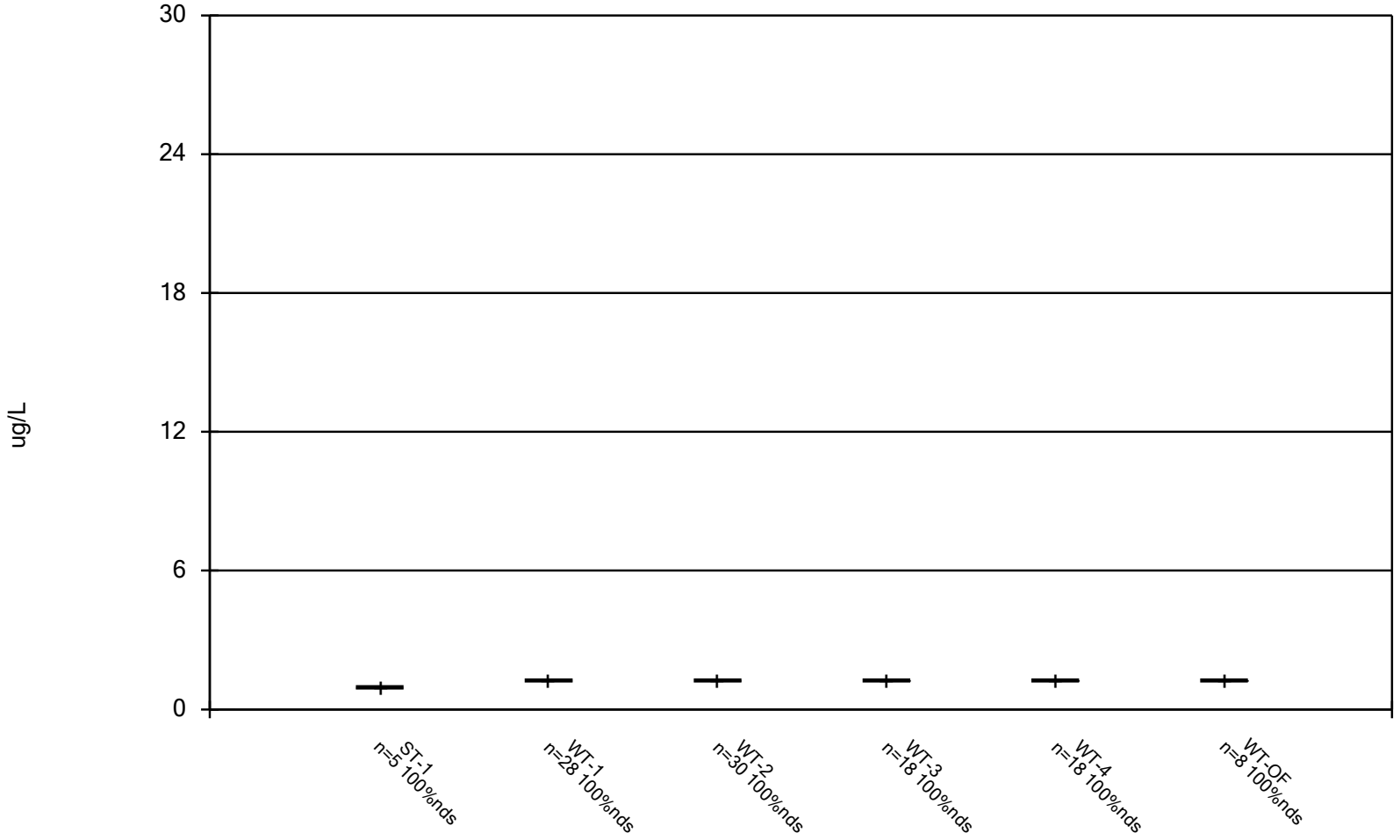
Box & Whiskers Plot



Constituent: Chloroform Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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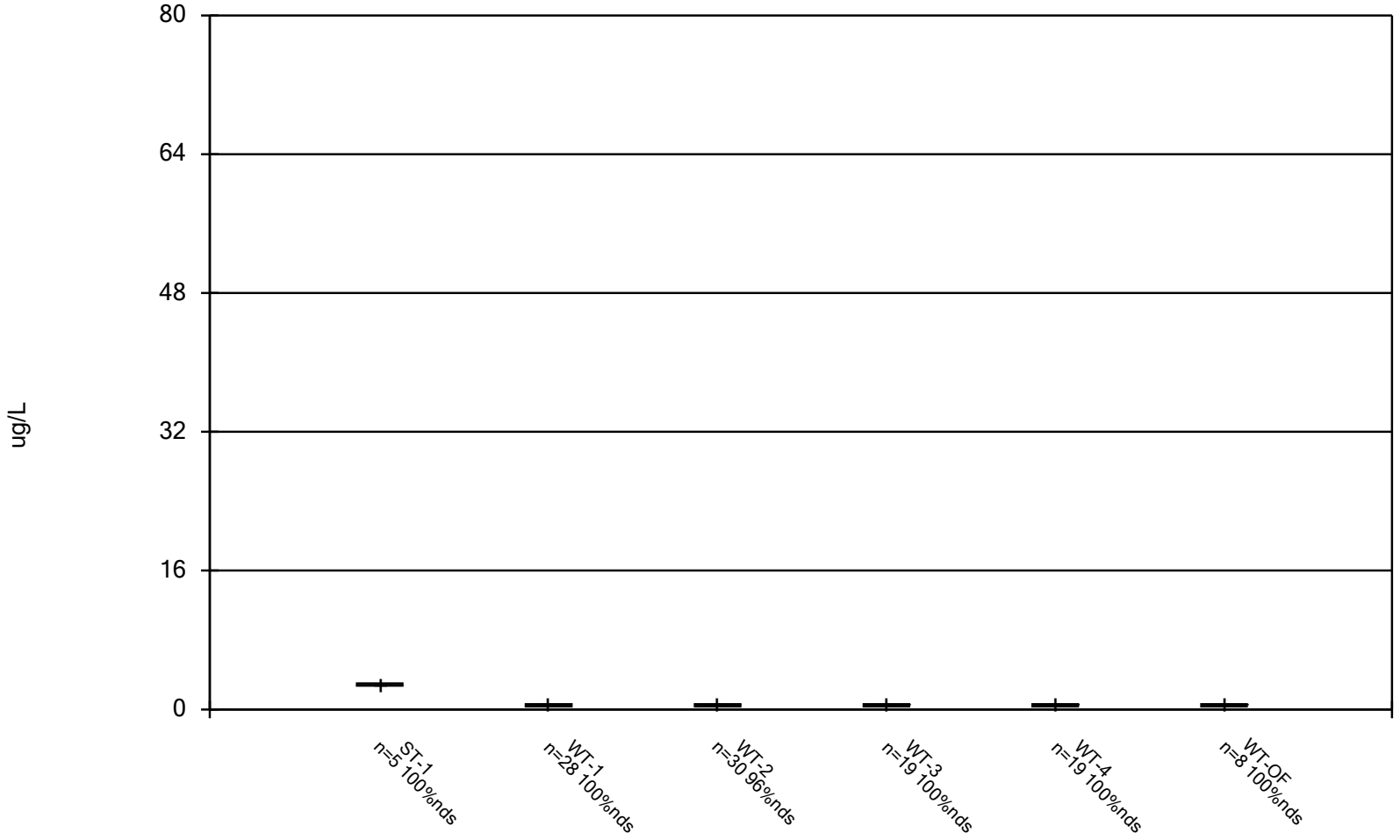

Constituent: Chloromethane Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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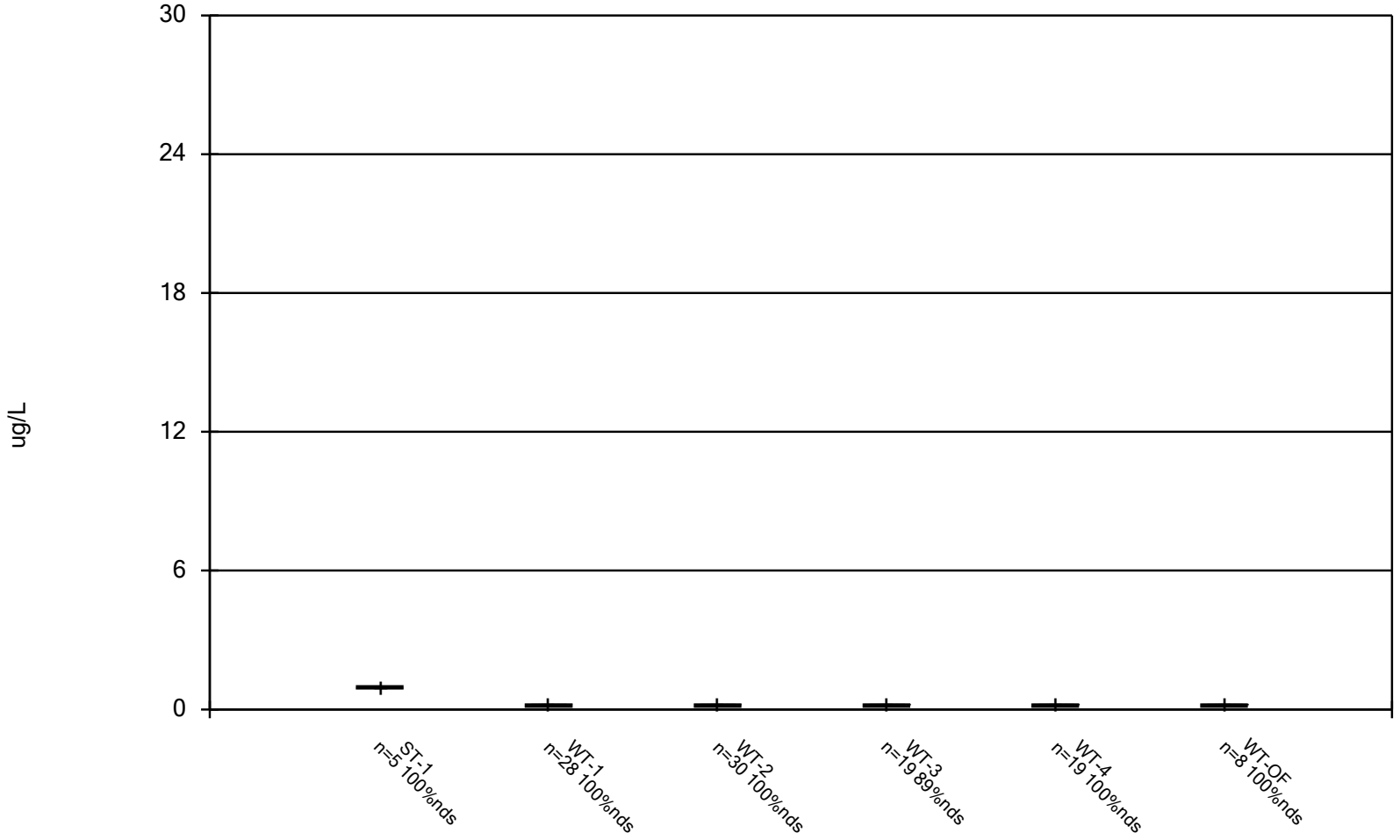
Box & Whiskers Plot



Constituent: cis-1,2-Dichloroethene Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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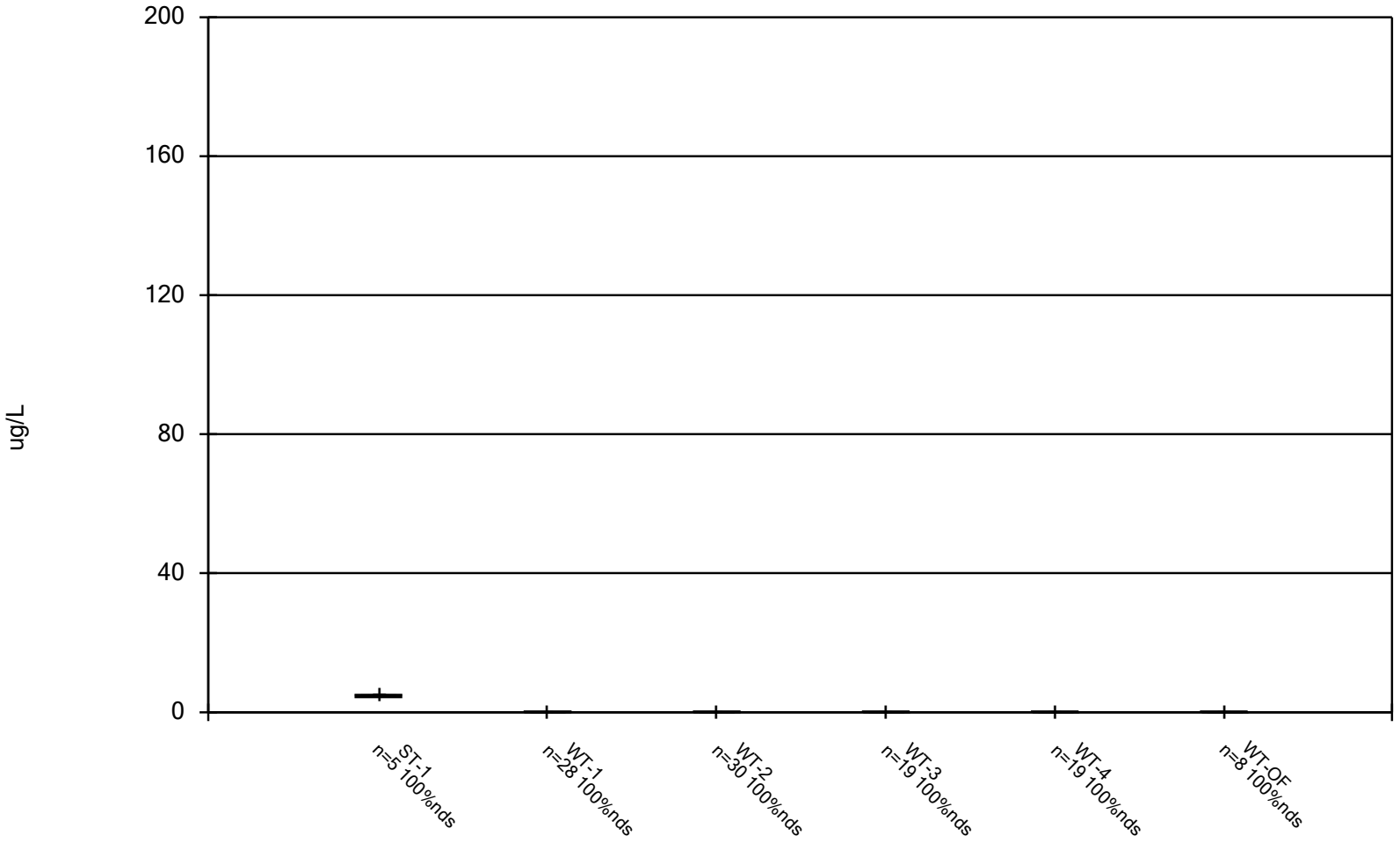
Box & Whiskers Plot



Constituent: cis-1,3-Dichloropropene Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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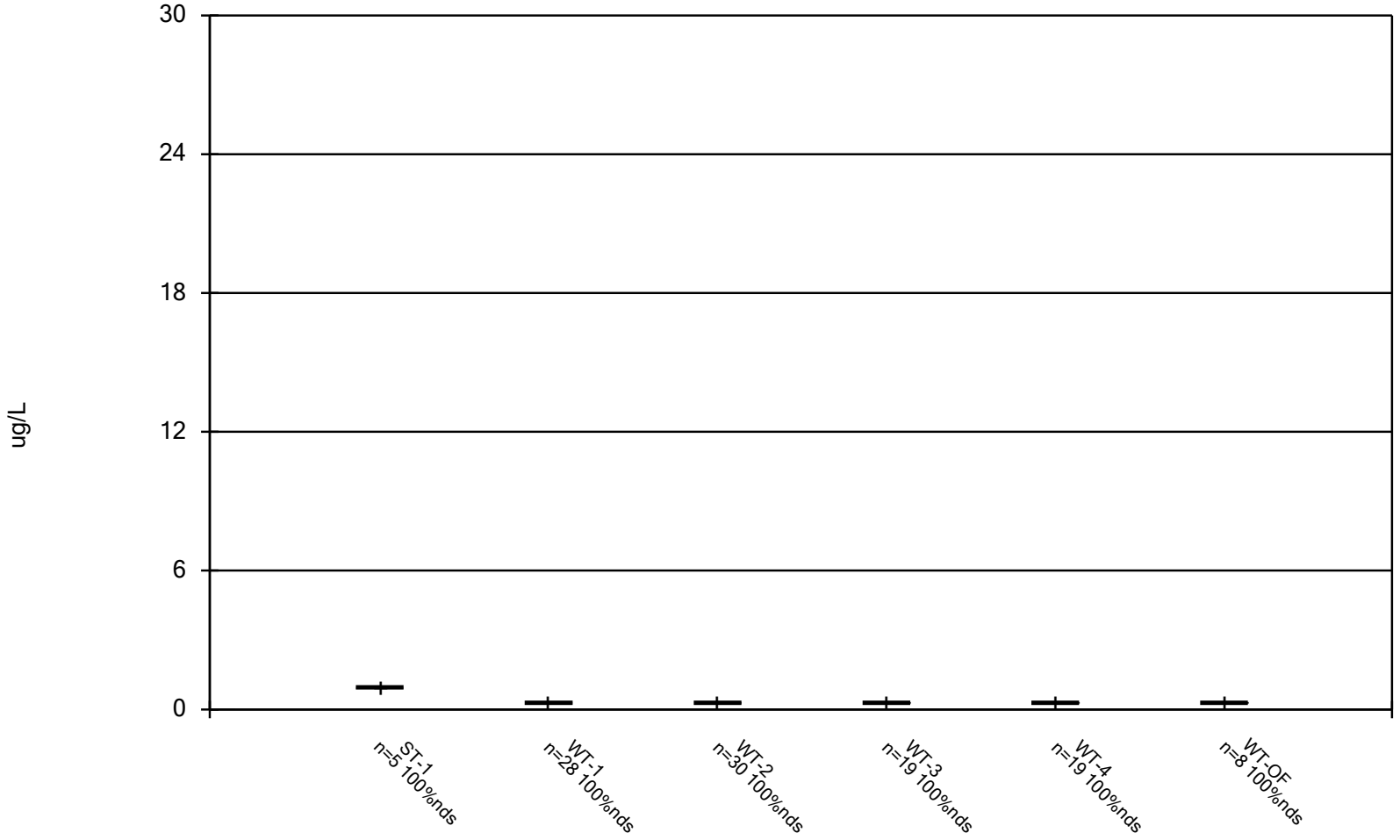
Box & Whiskers Plot



Constituent: Dibromomethane Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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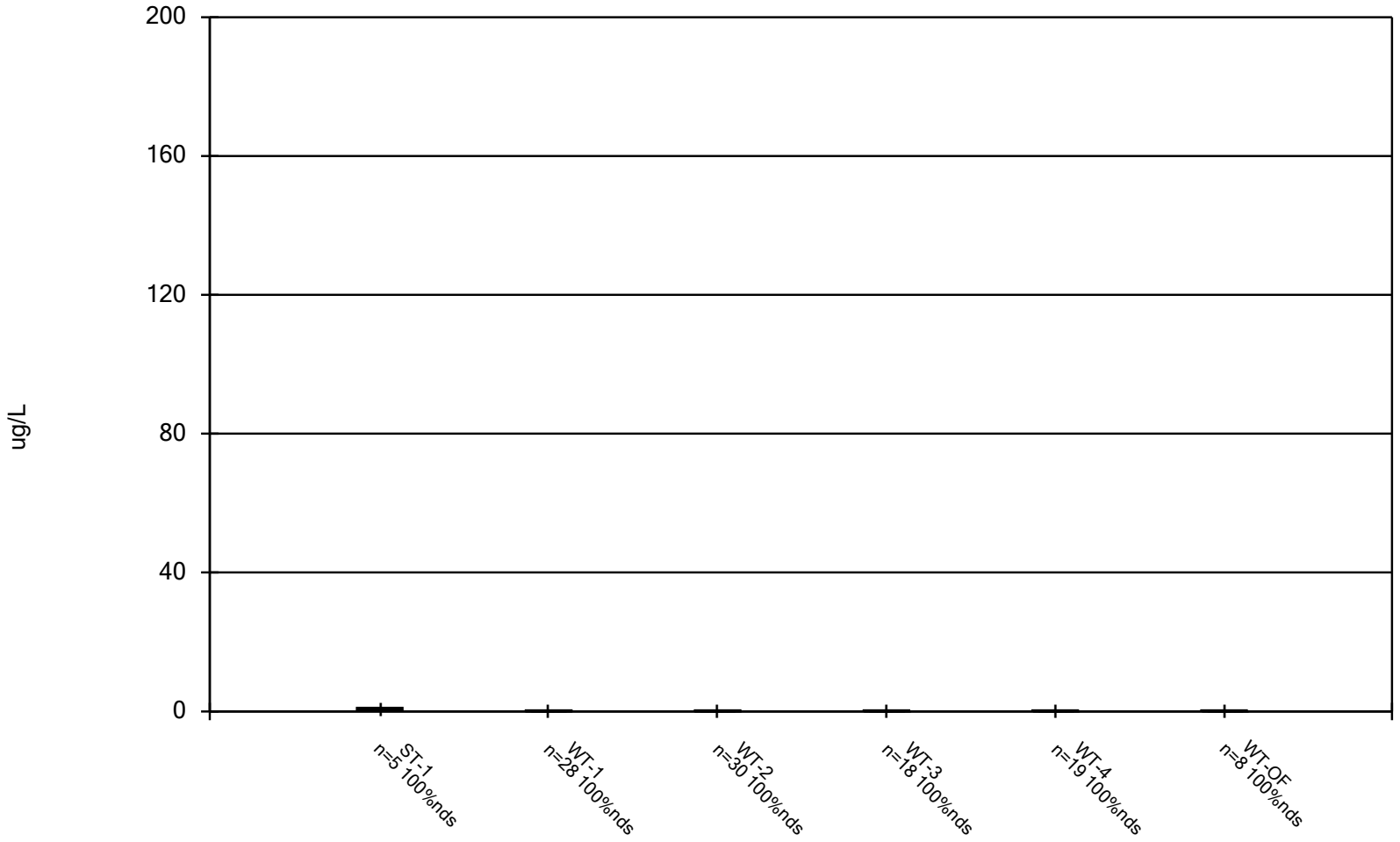

Constituent: Ethylbenzene Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

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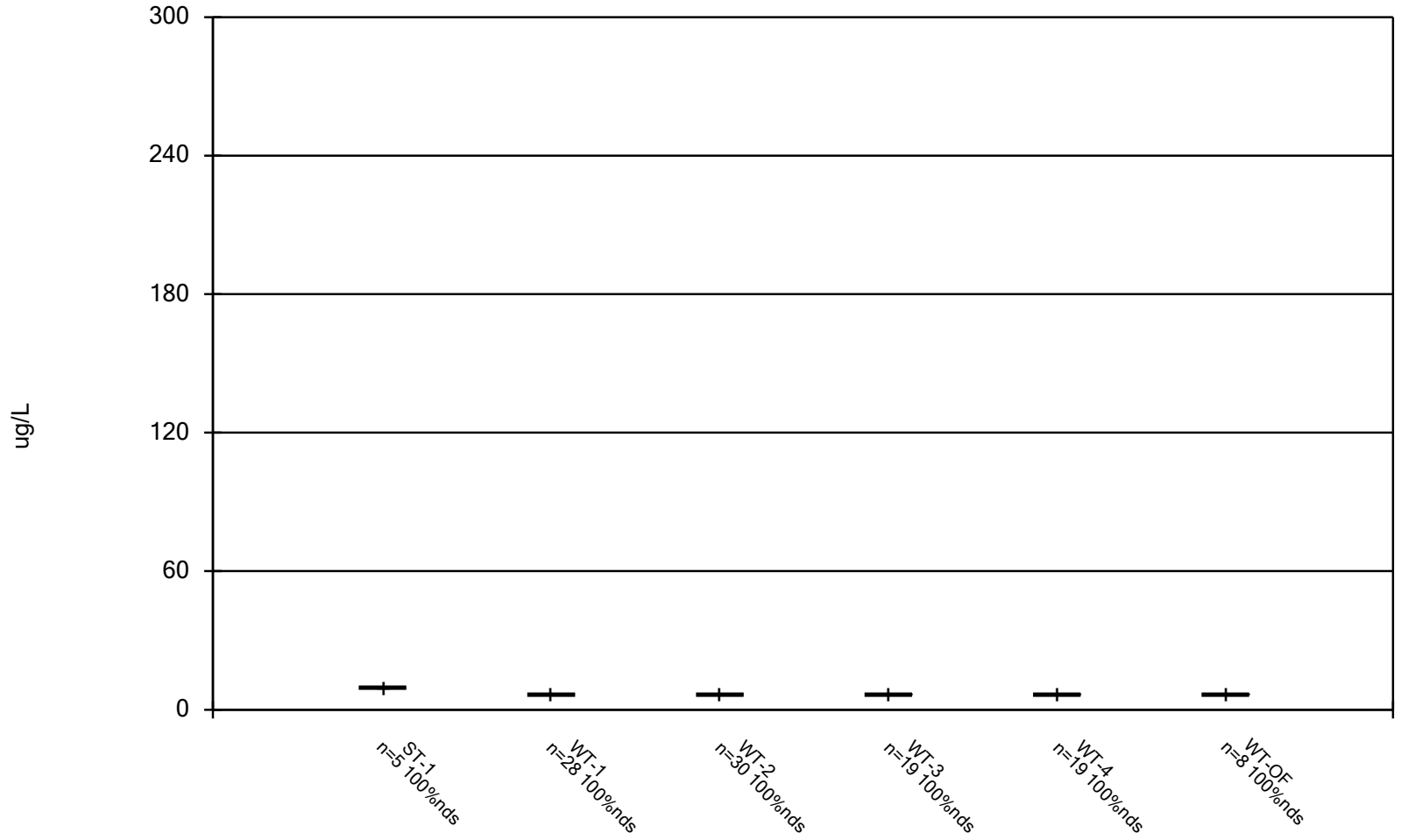

Constituent: Iodomethane Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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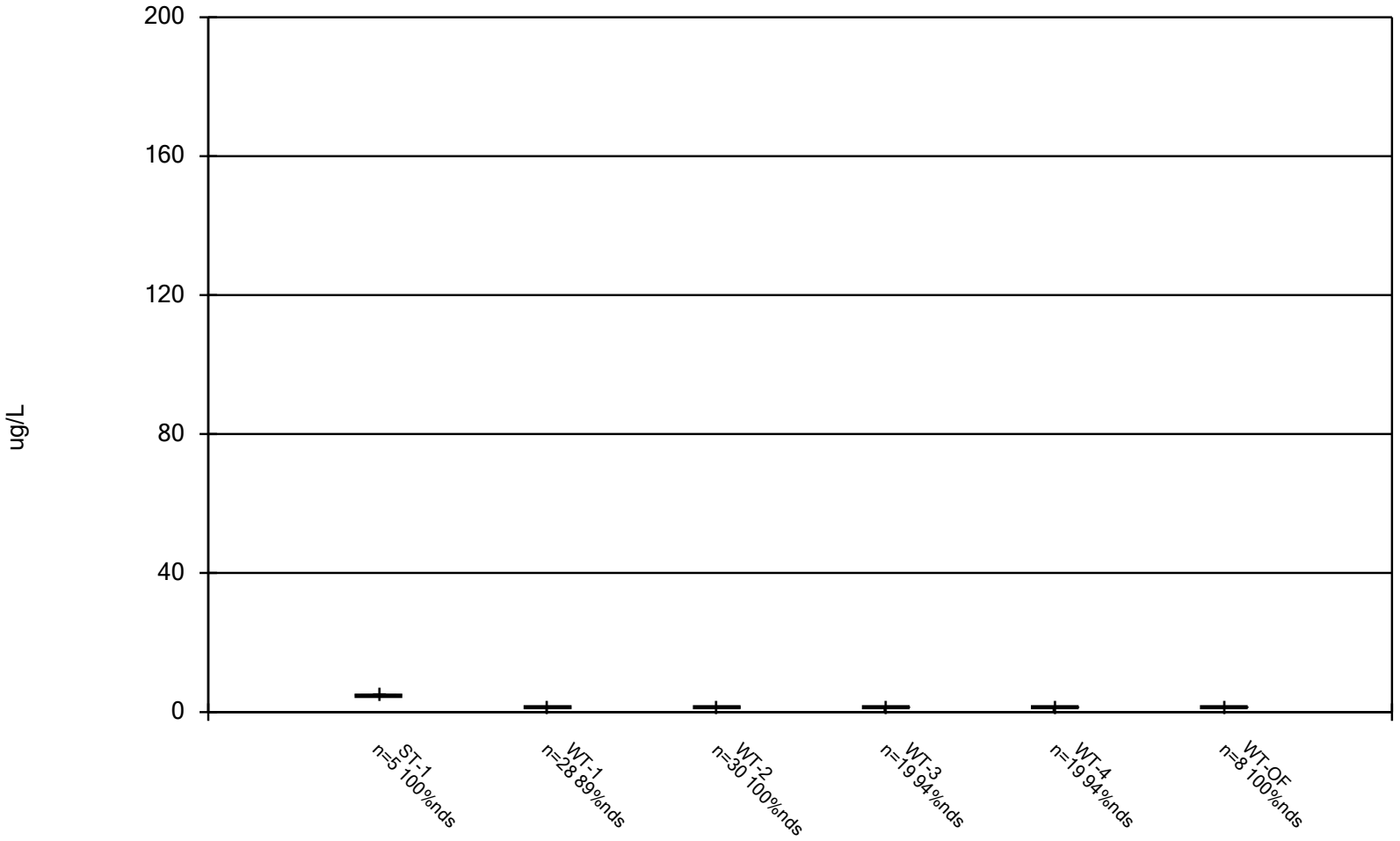

Constituent: Methylene Chloride Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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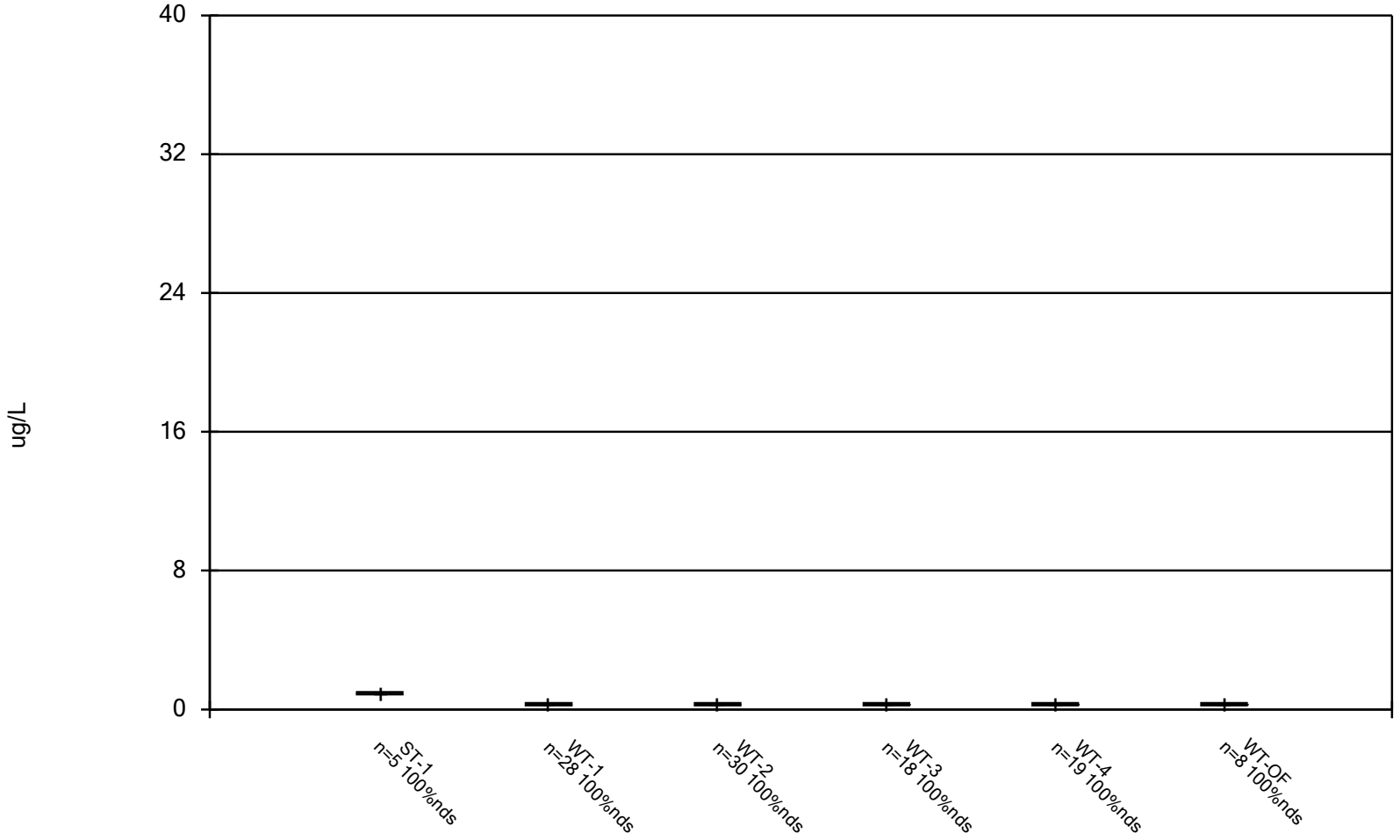

Constituent: Styrene Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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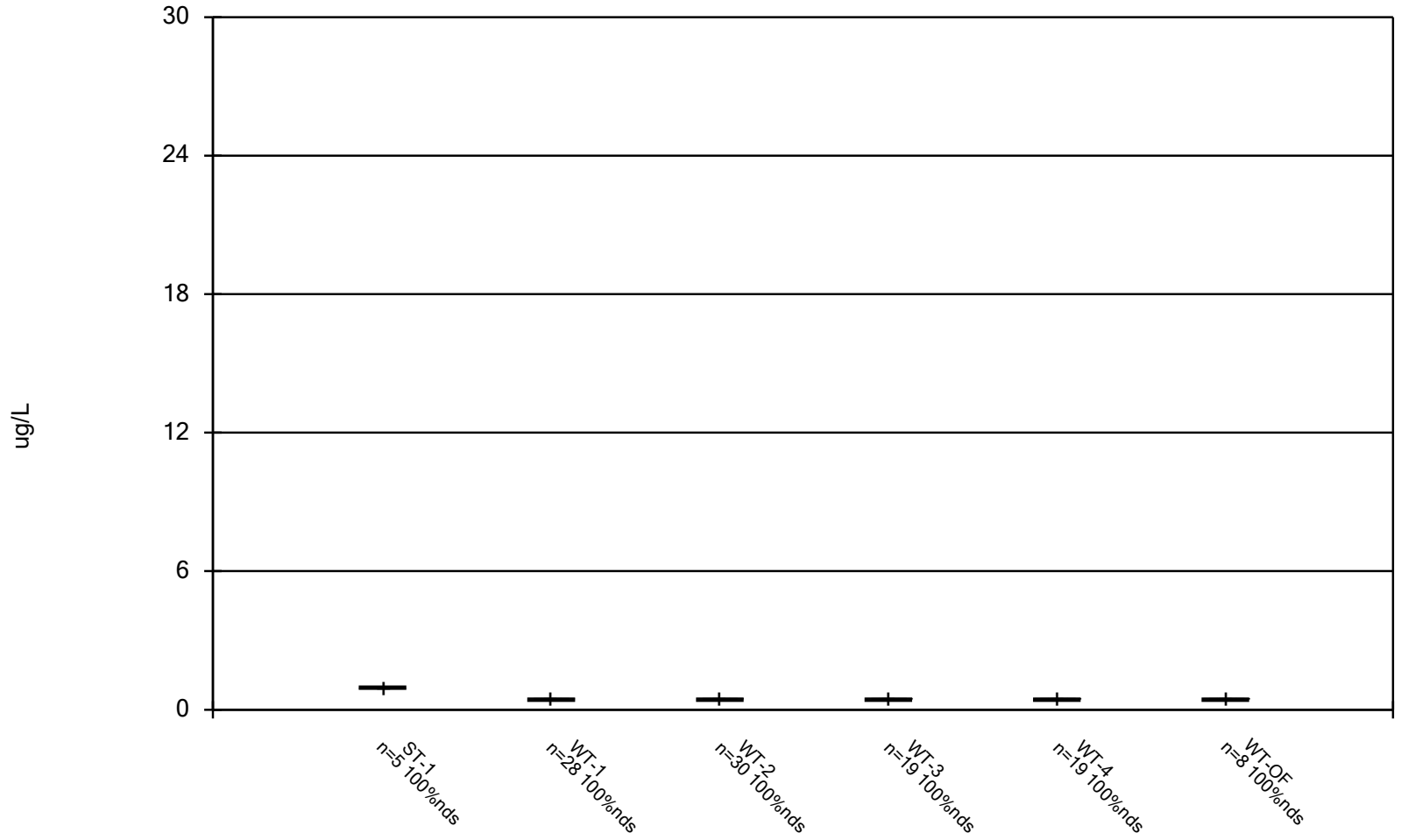

Constituent: Tetrachloroethene Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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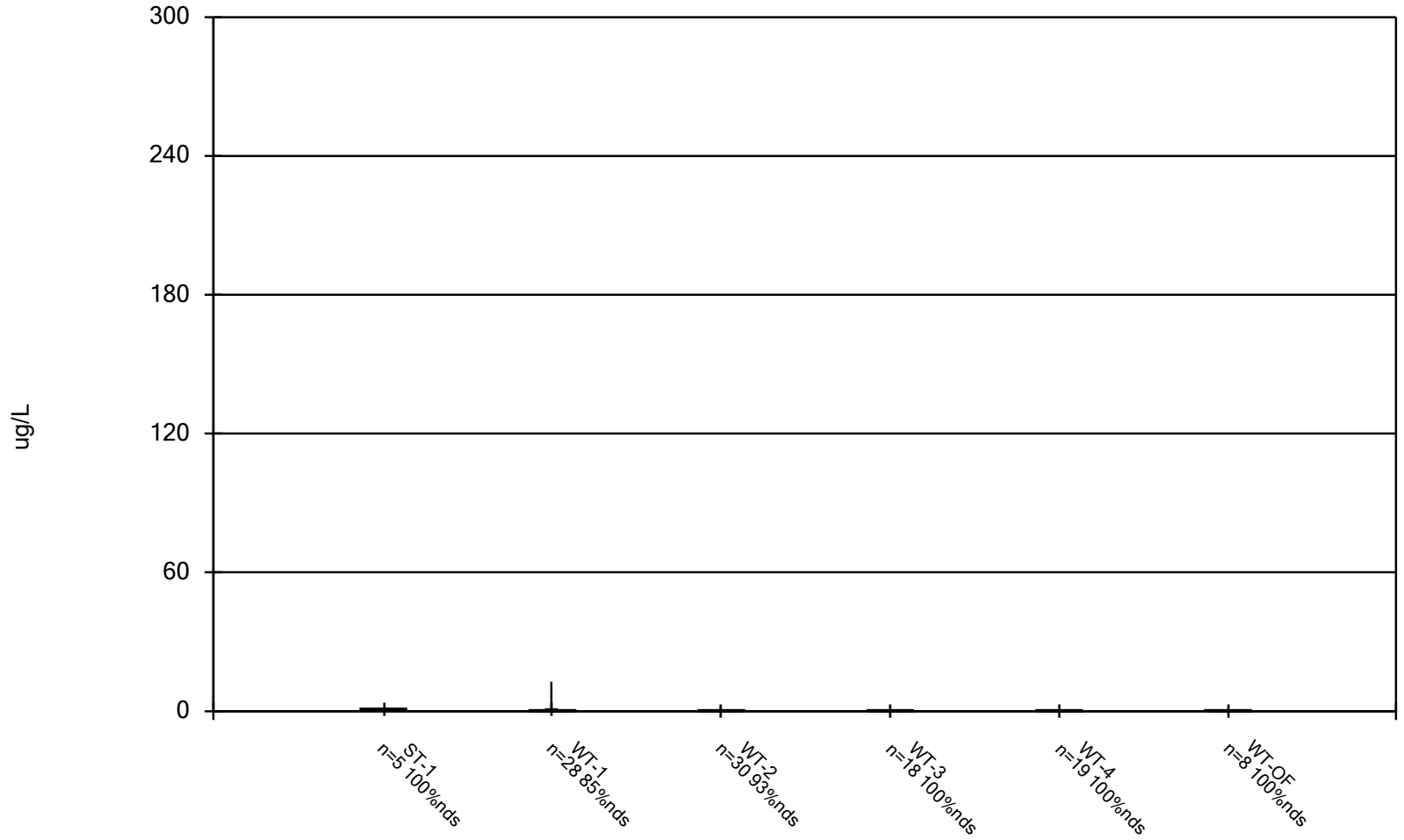

Constituent: Toluene Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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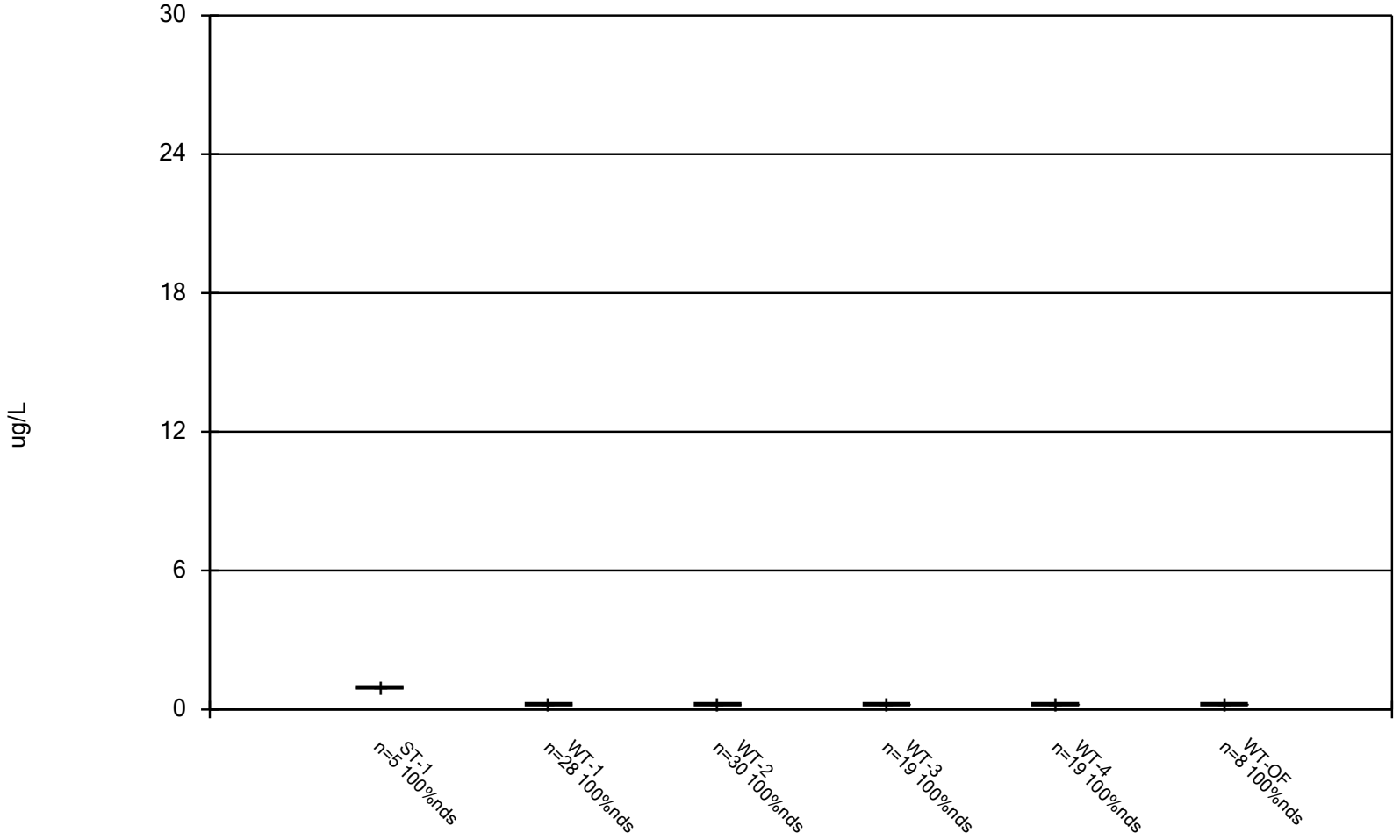

Constituent: trans-1,2-Dichloroethene Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

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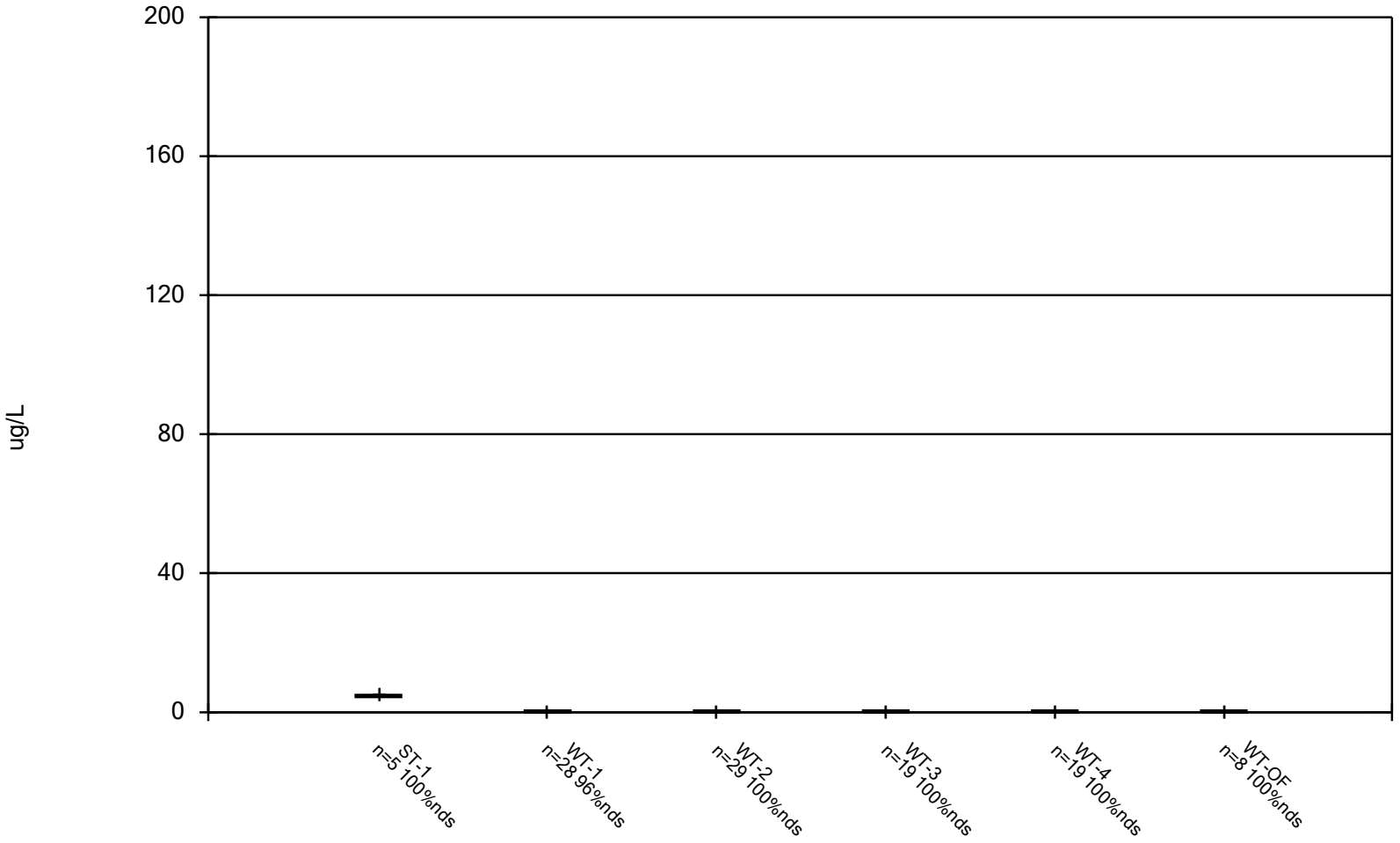

Constituent: trans-1,3-Dichloropropene Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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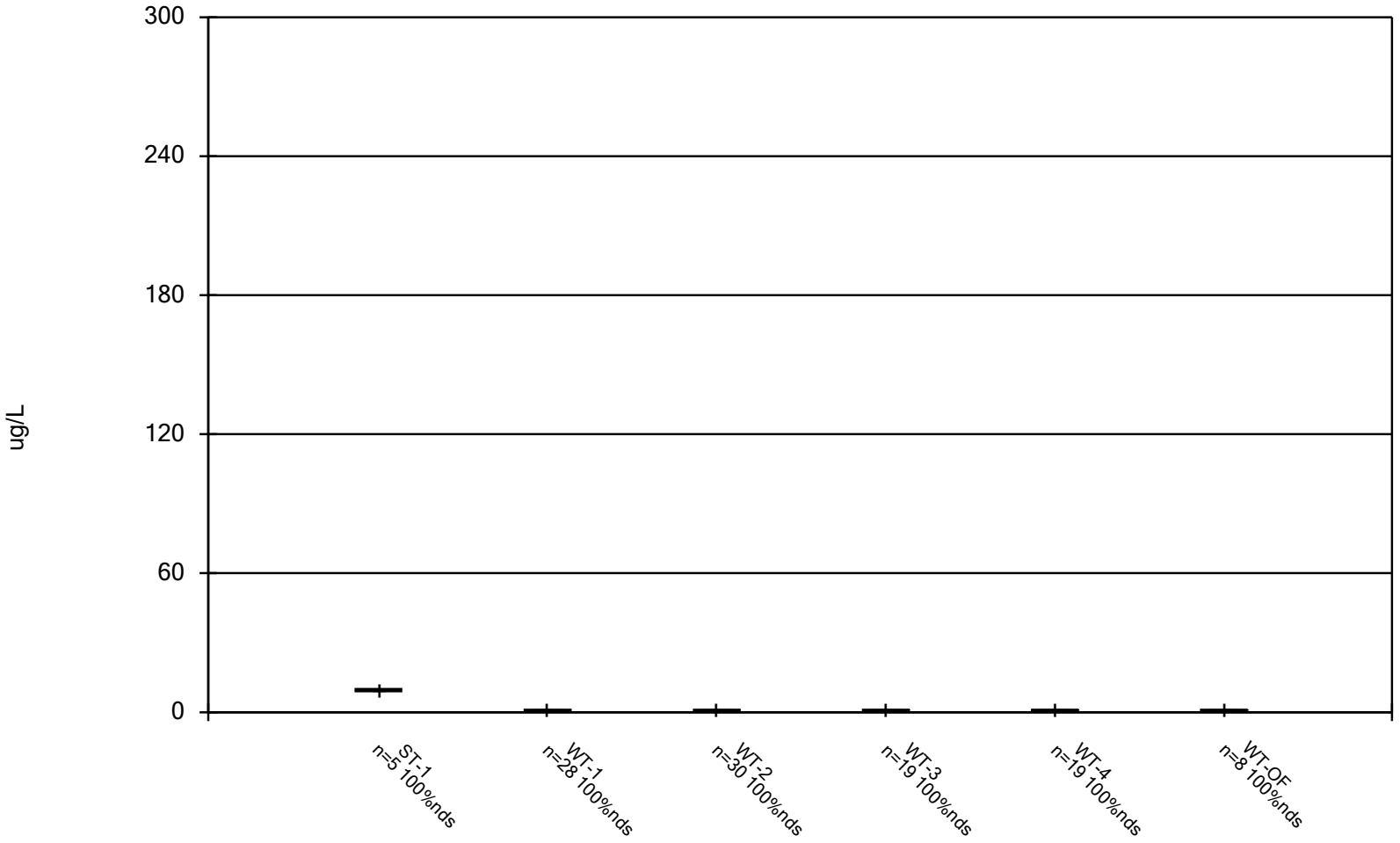

Constituent: trans-1,4-Dichloro-2-Butene Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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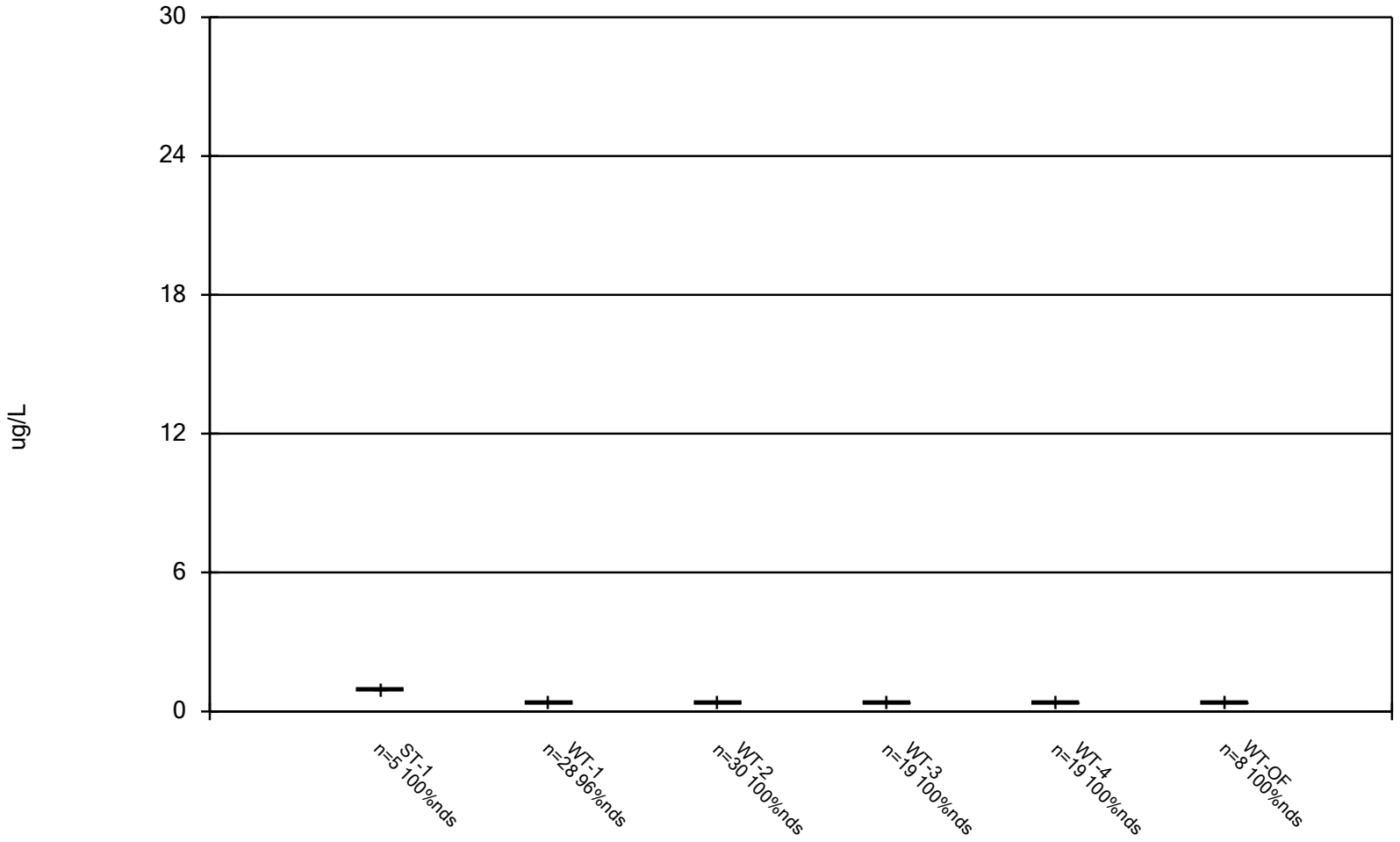

Constituent: Trichloroethene Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

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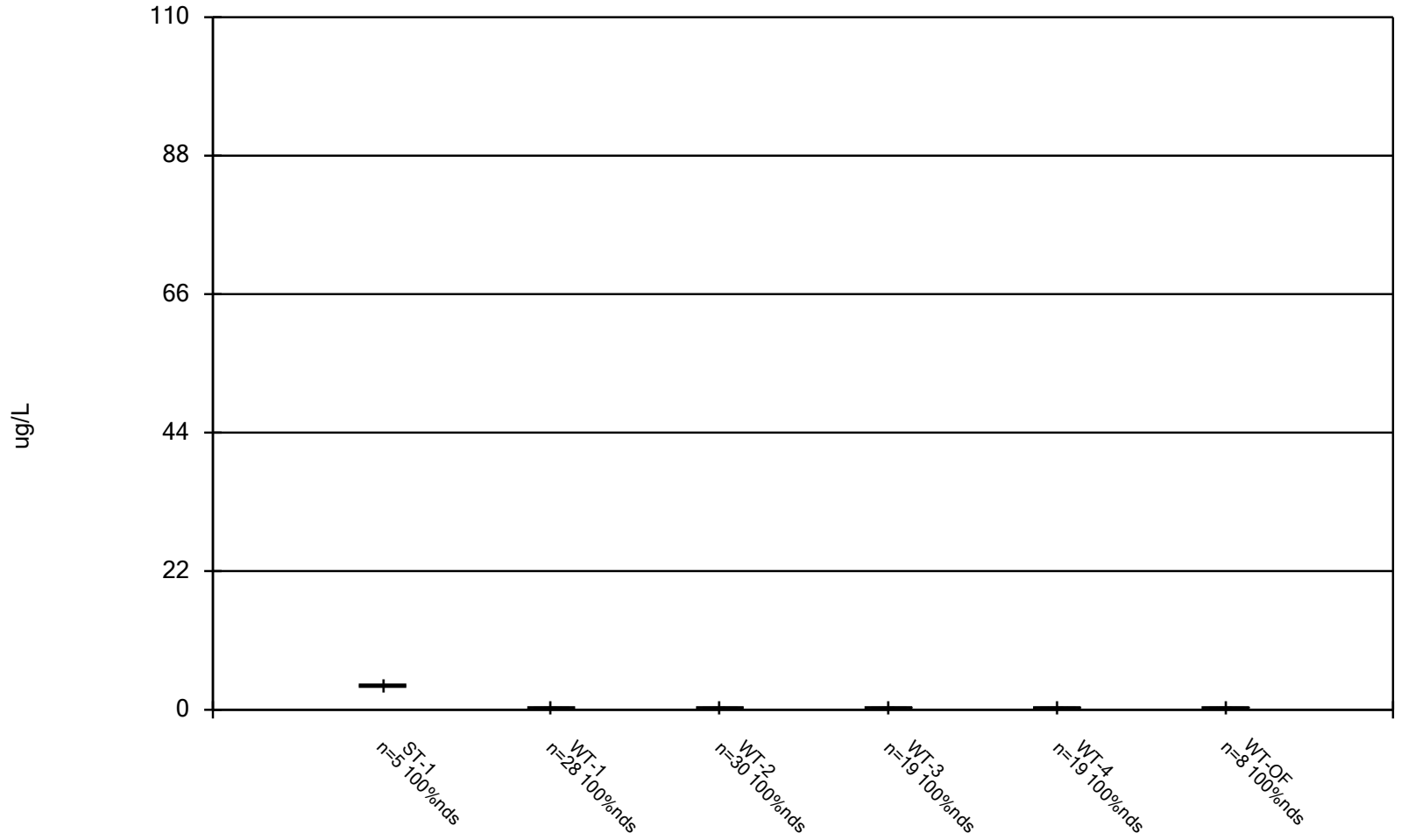

Constituent: Trichlorofluoromethane Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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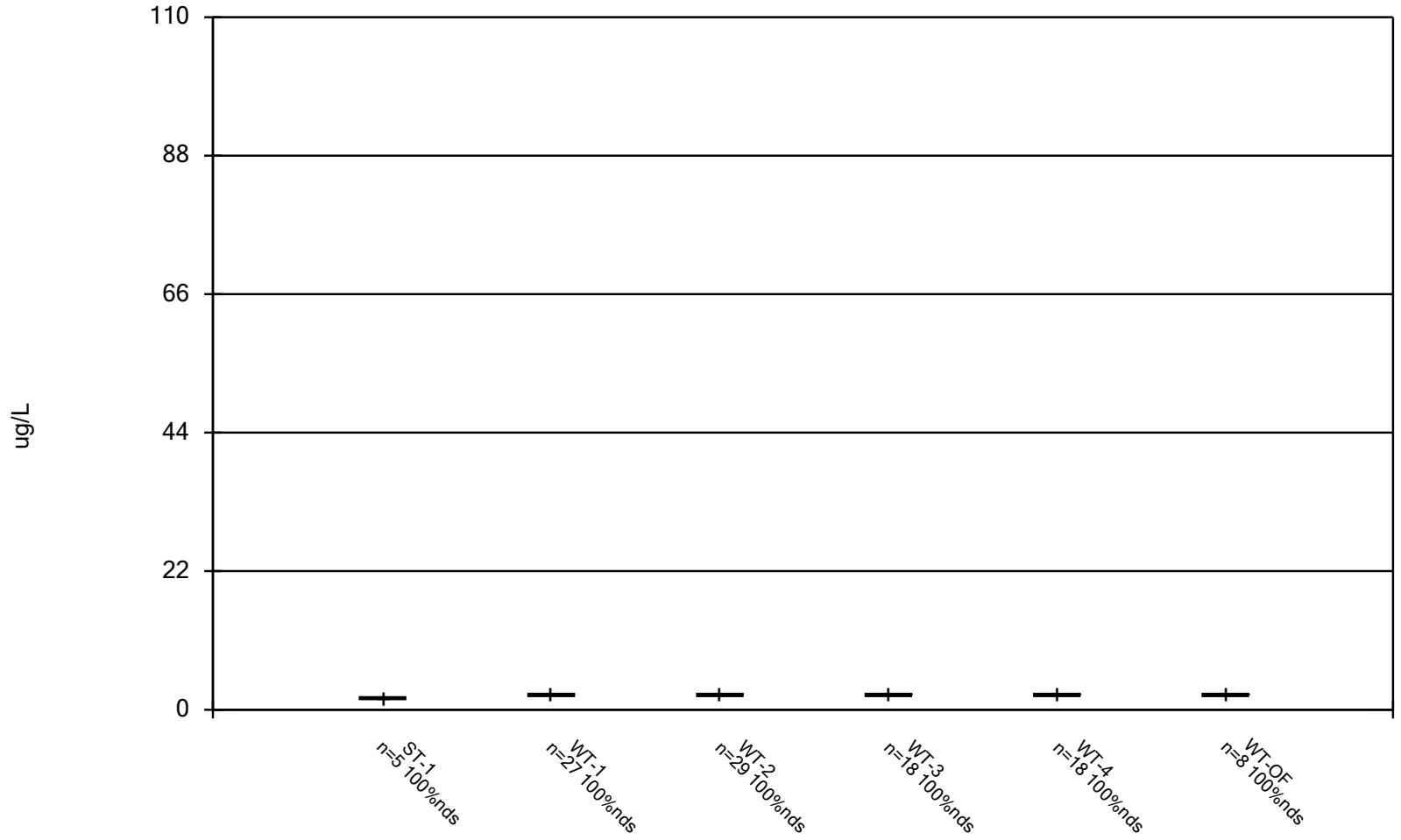
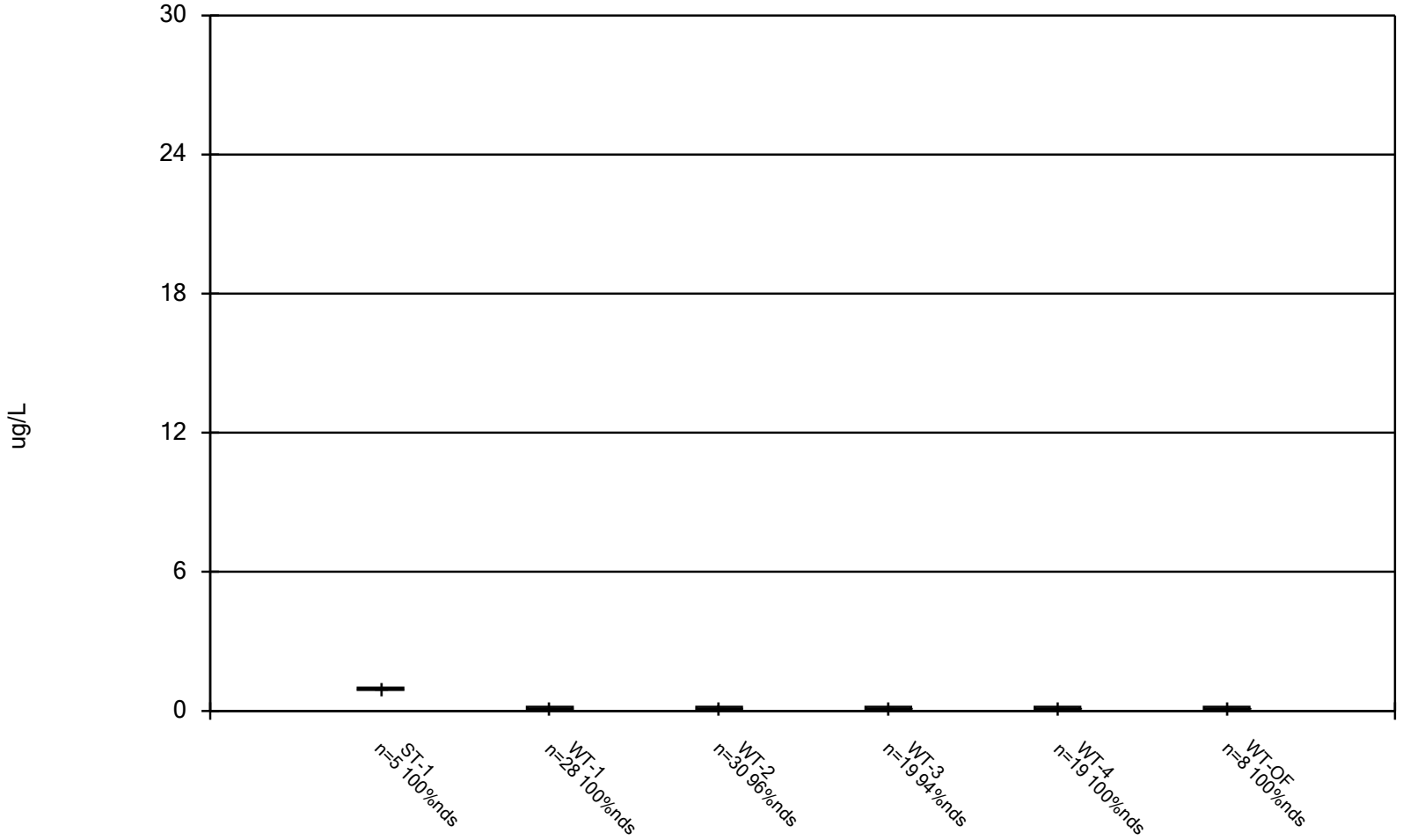


Constituent: Vinyl Acetate Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Box & Whiskers Plot



Constituent: Vinyl Chloride Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

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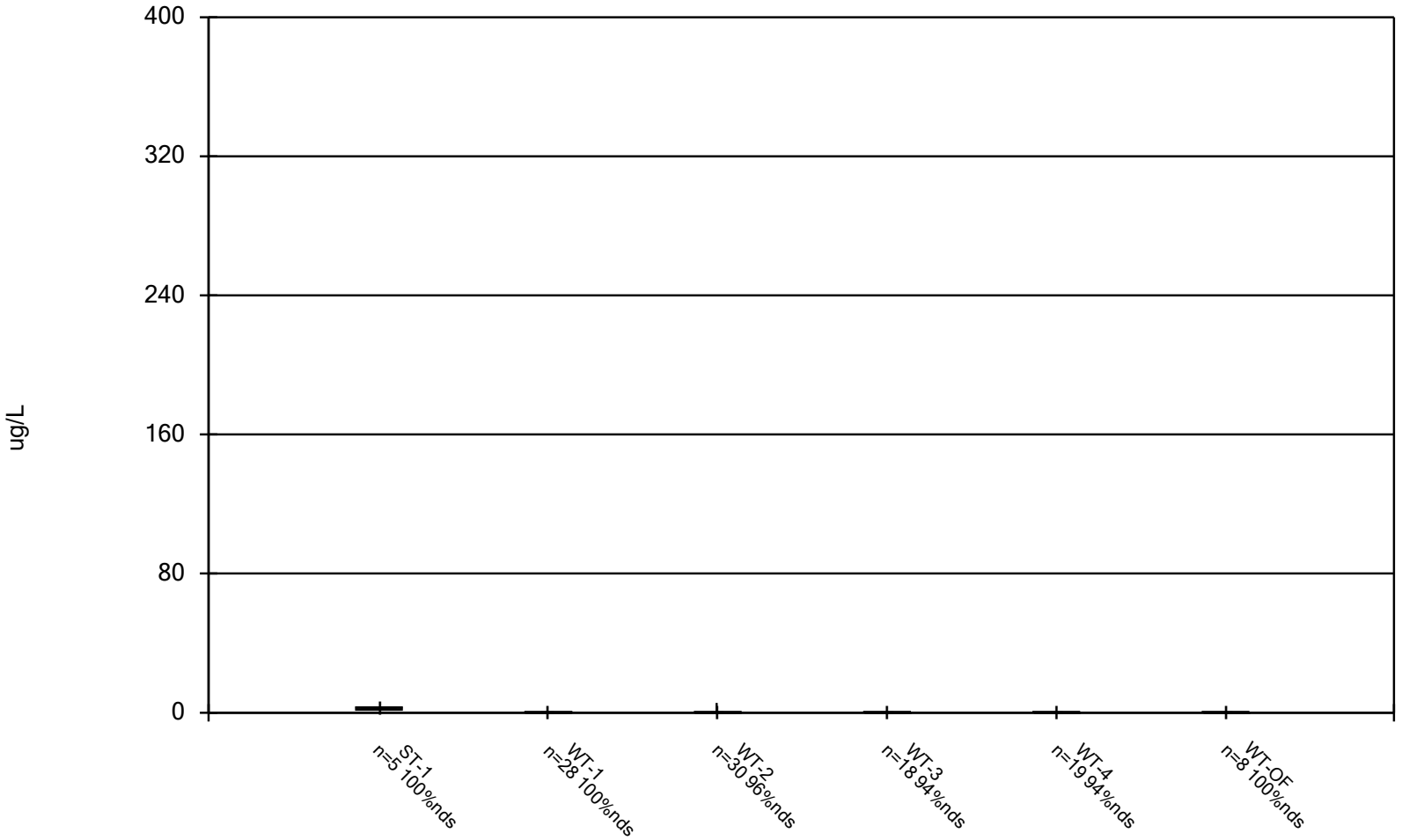

Constituent: Xylenes, Total Analysis Run 7/13/2025 10:44 AM View: 02_GU_Organics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 10:47 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
1,1,1,2-Tetrachloroethane (ug/L)	ST-1	5	1	0	0	1	1	1	100
1,1,1,2-Tetrachloroethane (ug/L)	WT-1	28	0.38	0	0	0.38	0.38	0.38	100
1,1,1,2-Tetrachloroethane (ug/L)	WT-2	30	0.38	0	0	0.38	0.38	0.38	100
1,1,1,2-Tetrachloroethane (ug/L)	WT-3	19	0.38	0	0	0.38	0.38	0.38	100
1,1,1,2-Tetrachloroethane (ug/L)	WT-4	19	0.38	0	0	0.38	0.38	0.38	100
1,1,1,2-Tetrachloroethane (ug/L)	WT-OF	8	0.38	0	0	0.38	0.38	0.38	100
1,1,1-Trichloroethane (ug/L)	ST-1	5	1	0	0	1	1	1	100
1,1,1-Trichloroethane (ug/L)	WT-1	28	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane (ug/L)	WT-2	30	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane (ug/L)	WT-3	19	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane (ug/L)	WT-4	19	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane (ug/L)	WT-OF	8	0.19	0	0	0.19	0.19	0.19	100
1,1,2,2-Tetrachloroethane (ug/L)	ST-1	5	1	0	0	1	1	1	100
1,1,2,2-Tetrachloroethane (ug/L)	WT-1	28	0.47	0	0	0.47	0.47	0.47	100
1,1,2,2-Tetrachloroethane (ug/L)	WT-2	30	0.47	0	0	0.47	0.47	0.47	100
1,1,2,2-Tetrachloroethane (ug/L)	WT-3	19	0.47	0	0	0.47	0.47	0.47	100
1,1,2,2-Tetrachloroethane (ug/L)	WT-4	19	0.47	0	0	0.47	0.47	0.47	100
1,1,2,2-Tetrachloroethane (ug/L)	WT-OF	8	0.47	0	0	0.47	0.47	0.47	100
1,1,2-Trichloroethane (ug/L)	ST-1	5	1	0	0	1	1	1	100
1,1,2-Trichloroethane (ug/L)	WT-1	28	0.45	0	0	0.45	0.45	0.45	100
1,1,2-Trichloroethane (ug/L)	WT-2	29	0.45	0	0	0.45	0.45	0.45	100
1,1,2-Trichloroethane (ug/L)	WT-3	19	0.45	0	0	0.45	0.45	0.45	100
1,1,2-Trichloroethane (ug/L)	WT-4	19	0.45	0	0	0.45	0.45	0.45	100
1,1,2-Trichloroethane (ug/L)	WT-OF	8	0.45	0	0	0.45	0.45	0.45	100
1,1-Dichloroethane (ug/L)	ST-1	5	1	0	0	1	1	1	100
1,1-Dichloroethane (ug/L)	WT-1	28	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	WT-2	30	0.2581	0.08448	0.01542	0.22	0.22	0.508	80
1,1-Dichloroethane (ug/L)	WT-3	19	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	WT-4	19	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	WT-OF	8	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethene (ug/L)	ST-1	5	2	0	0	2	2	2	100
1,1-Dichloroethene (ug/L)	WT-1	28	0.56	0	0	0.56	0.56	0.56	100
1,1-Dichloroethene (ug/L)	WT-2	30	0.56	0	0	0.56	0.56	0.56	100
1,1-Dichloroethene (ug/L)	WT-3	19	0.56	0	0	0.56	0.56	0.56	100
1,1-Dichloroethene (ug/L)	WT-4	19	0.56	0	0	0.56	0.56	0.56	100
1,1-Dichloroethene (ug/L)	WT-OF	8	0.56	0	0	0.56	0.56	0.56	100
1,2,3-Trichloropropane (ug/L)	ST-1	5	1	0	0	1	1	1	100
1,2,3-Trichloropropane (ug/L)	WT-1	28	0.59	0	0	0.59	0.59	0.59	100
1,2,3-Trichloropropane (ug/L)	WT-2	30	0.59	0	0	0.59	0.59	0.59	100
1,2,3-Trichloropropane (ug/L)	WT-3	19	0.59	0	0	0.59	0.59	0.59	100
1,2,3-Trichloropropane (ug/L)	WT-4	19	0.59	0	0	0.59	0.59	0.59	100
1,2,3-Trichloropropane (ug/L)	WT-OF	8	0.59	0	0	0.59	0.59	0.59	100
1,2-Dibromo-3-Chloropropane (ug/L)	ST-1	5	10	0	0	10	10	10	100
1,2-Dibromo-3-Chloropropane (ug/L)	WT-1	28	1.2	0	0	1.2	1.2	1.2	100
1,2-Dibromo-3-Chloropropane (ug/L)	WT-2	31	1.2	0	0	1.2	1.2	1.2	100
1,2-Dibromo-3-Chloropropane (ug/L)	WT-3	19	1.2	0	0	1.2	1.2	1.2	100
1,2-Dibromo-3-Chloropropane (ug/L)	WT-4	19	1.2	0	0	1.2	1.2	1.2	100
1,2-Dibromo-3-Chloropropane (ug/L)	WT-OF	8	1.2	0	0	1.2	1.2	1.2	100
1,2-Dibromoethane [EDB] (ug/L)	ST-1	5	10	0	0	10	10	10	100
1,2-Dibromoethane [EDB] (ug/L)	WT-1	28	0.34	0	0	0.34	0.34	0.34	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 10:47 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
1,2-Dibromoethane [EDB] (ug/L)	WT-2	31	0.34	0	0	0.34	0.34	0.34	100
1,2-Dibromoethane [EDB] (ug/L)	WT-3	19	0.34	0	0	0.34	0.34	0.34	100
1,2-Dibromoethane [EDB] (ug/L)	WT-4	19	0.34	0	0	0.34	0.34	0.34	100
1,2-Dibromoethane [EDB] (ug/L)	WT-OF	8	0.34	0	0	0.34	0.34	0.34	100
1,2-Dichlorobenzene (ug/L)	ST-1	5	1	0	0	1	1	1	100
1,2-Dichlorobenzene (ug/L)	WT-1	28	0.37	0	0	0.37	0.37	0.37	100
1,2-Dichlorobenzene (ug/L)	WT-2	30	0.37	0	0	0.37	0.37	0.37	100
1,2-Dichlorobenzene (ug/L)	WT-3	19	0.37	0	0	0.37	0.37	0.37	100
1,2-Dichlorobenzene (ug/L)	WT-4	19	0.37	0	0	0.37	0.37	0.37	100
1,2-Dichlorobenzene (ug/L)	WT-OF	8	0.37	0	0	0.37	0.37	0.37	100
1,2-Dichloroethane (ug/L)	ST-1	5	1	0	0	1	1	1	100
1,2-Dichloroethane (ug/L)	WT-1	28	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	WT-2	30	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	WT-3	19	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	WT-4	19	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	WT-OF	8	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloropropane (ug/L)	ST-1	5	1	0	0	1	1	1	100
1,2-Dichloropropane (ug/L)	WT-1	28	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (ug/L)	WT-2	30	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (ug/L)	WT-3	19	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (ug/L)	WT-4	19	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (ug/L)	WT-OF	8	0.27	0	0	0.27	0.27	0.27	100
1,4-Dichlorobenzene (ug/L)	ST-1	5	1	0	0	1	1	1	100
1,4-Dichlorobenzene (ug/L)	WT-1	28	0.23	0	0	0.23	0.23	0.23	100
1,4-Dichlorobenzene (ug/L)	WT-2	30	0.23	0	0	0.23	0.23	0.23	100
1,4-Dichlorobenzene (ug/L)	WT-3	19	0.23	0	0	0.23	0.23	0.23	100
1,4-Dichlorobenzene (ug/L)	WT-4	19	0.23	0	0	0.23	0.23	0.23	100
1,4-Dichlorobenzene (ug/L)	WT-OF	8	0.23	0	0	0.23	0.23	0.23	100
2-Butanone [MEK] (ug/L)	ST-1	5	10	0	0	10	10	10	100
2-Butanone [MEK] (ug/L)	WT-1	27	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	WT-2	30	2.377	1.515	0.2767	2.1	2.1	10.4	96.67
2-Butanone [MEK] (ug/L)	WT-3	19	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	WT-4	19	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	WT-OF	8	2.961	2.436	0.8613	2.1	2.1	8.99	87.5
2-Hexanone (ug/L)	ST-1	5	10	0	0	10	10	10	100
2-Hexanone (ug/L)	WT-1	28	2	0	0	2	2	2	100
2-Hexanone (ug/L)	WT-2	30	2	0	0	2	2	2	100
2-Hexanone (ug/L)	WT-3	19	2	0	0	2	2	2	100
2-Hexanone (ug/L)	WT-4	19	2	0	0	2	2	2	100
2-Hexanone (ug/L)	WT-OF	8	2	0	0	2	2	2	100
4-Methyl-2-pentanone [MIBK] (ug/L)	ST-1	5	10	0	0	10	10	10	100
4-Methyl-2-pentanone [MIBK] (ug/L)	WT-1	28	2.143	0.3625	0.06851	2.1	1.5	3.9	92.86
4-Methyl-2-pentanone [MIBK] (ug/L)	WT-2	29	2.065	0.1876	0.03483	2.1	1.09	2.1	96.55
4-Methyl-2-pentanone [MIBK] (ug/L)	WT-3	18	2.061	0.165	0.03889	2.1	1.4	2.1	94.44
4-Methyl-2-pentanone [MIBK] (ug/L)	WT-4	19	2.047	0.2294	0.05263	2.1	1.1	2.1	94.74
4-Methyl-2-pentanone [MIBK] (ug/L)	WT-OF	8	2.1	0	0	2.1	2.1	2.1	100
Acetone (ug/L)	ST-1	5	10	0	0	10	10	10	100
Acetone (ug/L)	WT-1	26	3.023	0.3158	0.06194	3.1	2.12	3.63	80.77
Acetone (ug/L)	WT-2	28	3.482	1.454	0.2747	3.1	3.1	10.3	89.29
Acetone (ug/L)	WT-3	19	3.472	1.482	0.3399	3.1	2.02	9.3	68.42

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 10:47 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Acetone (ug/L)	WT-4	19	3.135	0.4996	0.1146	3.1	1.97	4.9	89.47
Acetone (ug/L)	WT-OF	9	4.267	3.5	1.167	3.1	3.1	13.6	88.89
Acrylonitrile (ug/L)	ST-1	5	10	0	0	10	10	10	100
Acrylonitrile (ug/L)	WT-1	28	2.2	0	0	2.2	2.2	2.2	100
Acrylonitrile (ug/L)	WT-2	30	2.2	0	0	2.2	2.2	2.2	100
Acrylonitrile (ug/L)	WT-3	19	2.2	0	0	2.2	2.2	2.2	100
Acrylonitrile (ug/L)	WT-4	19	2.2	0	0	2.2	2.2	2.2	100
Acrylonitrile (ug/L)	WT-OF	8	2.2	0	0	2.2	2.2	2.2	100
Benzene (ug/L)	ST-1	5	0.5	0	0	0.5	0.5	0.5	100
Benzene (ug/L)	WT-1	28	0.2354	0.07932	0.01499	0.22	0.22	0.64	92.86
Benzene (ug/L)	WT-2	29	0.3693	0.4117	0.07645	0.22	0.138	1.94	72.41
Benzene (ug/L)	WT-3	18	0.2727	0.1359	0.03204	0.22	0.191	0.701	66.67
Benzene (ug/L)	WT-4	19	0.2159	0.01767	0.004053	0.22	0.143	0.22	94.74
Benzene (ug/L)	WT-OF	8	0.22	0	0	0.22	0.22	0.22	100
Bromochloromethane (ug/L)	ST-1	5	5	0	0	5	5	5	100
Bromochloromethane (ug/L)	WT-1	28	0.54	0	0	0.54	0.54	0.54	100
Bromochloromethane (ug/L)	WT-2	30	0.54	0	0	0.54	0.54	0.54	100
Bromochloromethane (ug/L)	WT-3	19	0.54	0	0	0.54	0.54	0.54	100
Bromochloromethane (ug/L)	WT-4	19	0.54	0	0	0.54	0.54	0.54	100
Bromochloromethane (ug/L)	WT-OF	8	0.54	0	0	0.54	0.54	0.54	100
Bromodichloromethane (ug/L)	ST-1	5	1	0	0	1	1	1	100
Bromodichloromethane (ug/L)	WT-1	28	0.39	0	0	0.39	0.39	0.39	100
Bromodichloromethane (ug/L)	WT-2	30	0.39	0	0	0.39	0.39	0.39	100
Bromodichloromethane (ug/L)	WT-3	18	0.39	0	0	0.39	0.39	0.39	100
Bromodichloromethane (ug/L)	WT-4	18	0.39	0	0	0.39	0.39	0.39	100
Bromodichloromethane (ug/L)	WT-OF	8	0.39	0	0	0.39	0.39	0.39	100
Bromoform (ug/L)	ST-1	4	5	0	0	5	5	5	100
Bromoform (ug/L)	WT-1	27	0.78	0	0	0.78	0.78	0.78	100
Bromoform (ug/L)	WT-2	28	0.78	0	0	0.78	0.78	0.78	100
Bromoform (ug/L)	WT-3	19	0.78	0	0	0.78	0.78	0.78	100
Bromoform (ug/L)	WT-4	19	0.78	0	0	0.78	0.78	0.78	100
Bromoform (ug/L)	WT-OF	8	0.78	0	0	0.78	0.78	0.78	100
Bromomethane (ug/L)	ST-1	5	4	0	0	4	4	4	100
Bromomethane (ug/L)	WT-1	27	1.1	0	0	1.1	1.1	1.1	100
Bromomethane (ug/L)	WT-2	29	1.073	0.1428	0.02652	1.1	0.331	1.1	96.55
Bromomethane (ug/L)	WT-3	19	1.058	0.1817	0.04168	1.1	0.308	1.1	94.74
Bromomethane (ug/L)	WT-4	19	1.057	0.1858	0.04263	1.1	0.29	1.1	94.74
Bromomethane (ug/L)	WT-OF	8	1.1	0	0	1.1	1.1	1.1	100
Carbon Disulfide (ug/L)	ST-1	5	1	0	0	1	1	1	100
Carbon Disulfide (ug/L)	WT-1	28	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	WT-2	30	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	WT-3	18	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	WT-4	19	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	WT-OF	8	0.45	0	0	0.45	0.45	0.45	100
Carbon Tetrachloride (ug/L)	ST-1	5	2	0	0	2	2	2	100
Carbon Tetrachloride (ug/L)	WT-1	28	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (ug/L)	WT-2	30	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (ug/L)	WT-3	18	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (ug/L)	WT-4	19	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (ug/L)	WT-OF	8	0.65	0	0	0.65	0.65	0.65	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 10:47 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Chlorobenzene (ug/L)	ST-1	5	1	0	0	1	1	1	100
Chlorobenzene (ug/L)	WT-1	28	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	WT-2	30	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	WT-3	19	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	WT-4	19	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	WT-OF	8	0.4	0	0	0.4	0.4	0.4	100
Chlorodibromomethane (ug/L)	ST-1	5	5	0	0	5	5	5	100
Chlorodibromomethane (ug/L)	WT-1	28	0.75	0	0	0.75	0.75	0.75	100
Chlorodibromomethane (ug/L)	WT-2	30	0.75	0	0	0.75	0.75	0.75	100
Chlorodibromomethane (ug/L)	WT-3	18	0.75	0	0	0.75	0.75	0.75	100
Chlorodibromomethane (ug/L)	WT-4	19	0.75	0	0	0.75	0.75	0.75	100
Chlorodibromomethane (ug/L)	WT-OF	8	0.75	0	0	0.75	0.75	0.75	100
Chloroethane (ug/L)	ST-1	5	4	0	0	4	4	4	100
Chloroethane (ug/L)	WT-1	28	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	WT-2	30	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	WT-3	19	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	WT-4	19	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	WT-OF	8	0.79	0	0	0.79	0.79	0.79	100
Chloroform (ug/L)	ST-1	5	1	0	0	1	1	1	100
Chloroform (ug/L)	WT-1	28	1.3	0	0	1.3	1.3	1.3	100
Chloroform (ug/L)	WT-2	30	1.3	0	0	1.3	1.3	1.3	100
Chloroform (ug/L)	WT-3	18	1.3	0	0	1.3	1.3	1.3	100
Chloroform (ug/L)	WT-4	18	1.3	0	0	1.3	1.3	1.3	100
Chloroform (ug/L)	WT-OF	8	1.3	0	0	1.3	1.3	1.3	100
Chloromethane (ug/L)	ST-1	5	3	0	0	3	3	3	100
Chloromethane (ug/L)	WT-1	28	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	WT-2	30	0.6122	0.01223	0.002233	0.61	0.61	0.677	96.67
Chloromethane (ug/L)	WT-3	19	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	WT-4	19	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	WT-OF	8	0.61	0	0	0.61	0.61	0.61	100
cis-1,2-Dichloroethene (ug/L)	ST-1	5	1	0	0	1	1	1	100
cis-1,2-Dichloroethene (ug/L)	WT-1	28	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene (ug/L)	WT-2	30	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene (ug/L)	WT-3	19	0.2074	0.01643	0.003769	0.21	0.142	0.229	89.47
cis-1,2-Dichloroethene (ug/L)	WT-4	19	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene (ug/L)	WT-OF	8	0.21	0	0	0.21	0.21	0.21	100
cis-1,3-Dichloropropene (ug/L)	ST-1	5	5	0	0	5	5	5	100
cis-1,3-Dichloropropene (ug/L)	WT-1	28	0.25	0	0	0.25	0.25	0.25	100
cis-1,3-Dichloropropene (ug/L)	WT-2	30	0.25	0	0	0.25	0.25	0.25	100
cis-1,3-Dichloropropene (ug/L)	WT-3	19	0.25	0	0	0.25	0.25	0.25	100
cis-1,3-Dichloropropene (ug/L)	WT-4	19	0.25	0	0	0.25	0.25	0.25	100
cis-1,3-Dichloropropene (ug/L)	WT-OF	8	0.25	0	0	0.25	0.25	0.25	100
Dibromomethane (ug/L)	ST-1	5	1	0	0	1	1	1	100
Dibromomethane (ug/L)	WT-1	28	0.33	0	0	0.33	0.33	0.33	100
Dibromomethane (ug/L)	WT-2	30	0.33	0	0	0.33	0.33	0.33	100
Dibromomethane (ug/L)	WT-3	19	0.33	0	0	0.33	0.33	0.33	100
Dibromomethane (ug/L)	WT-4	19	0.33	0	0	0.33	0.33	0.33	100
Dibromomethane (ug/L)	WT-OF	8	0.33	0	0	0.33	0.33	0.33	100
Ethylbenzene (ug/L)	ST-1	5	1	0	0	1	1	1	100
Ethylbenzene (ug/L)	WT-1	28	0.31	0	0	0.31	0.31	0.31	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 10:47 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Ethylbenzene (ug/L)	WT-2	30	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	WT-3	18	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	WT-4	19	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	WT-OF	8	0.31	0	0	0.31	0.31	0.31	100
Iodomethane (ug/L)	ST-1	5	10	0	0	10	10	10	100
Iodomethane (ug/L)	WT-1	28	7	0	0	7	7	7	100
Iodomethane (ug/L)	WT-2	30	7	0	0	7	7	7	100
Iodomethane (ug/L)	WT-3	19	7	0	0	7	7	7	100
Iodomethane (ug/L)	WT-4	19	7	0	0	7	7	7	100
Iodomethane (ug/L)	WT-OF	8	7	0	0	7	7	7	100
Methylene Chloride (ug/L)	ST-1	5	5	0	0	5	5	5	100
Methylene Chloride (ug/L)	WT-1	28	1.555	0.4277	0.08083	1.7	0.247	1.7	89.29
Methylene Chloride (ug/L)	WT-2	30	1.7	0	0	1.7	1.7	1.7	100
Methylene Chloride (ug/L)	WT-3	19	1.623	0.3347	0.07679	1.7	0.241	1.7	94.74
Methylene Chloride (ug/L)	WT-4	19	1.625	0.3288	0.07542	1.7	0.267	1.7	94.74
Methylene Chloride (ug/L)	WT-OF	8	1.7	0	0	1.7	1.7	1.7	100
Styrene (ug/L)	ST-1	5	1	0	0	1	1	1	100
Styrene (ug/L)	WT-1	28	0.37	0	0	0.37	0.37	0.37	100
Styrene (ug/L)	WT-2	30	0.37	0	0	0.37	0.37	0.37	100
Styrene (ug/L)	WT-3	18	0.37	0	0	0.37	0.37	0.37	100
Styrene (ug/L)	WT-4	19	0.37	0	0	0.37	0.37	0.37	100
Styrene (ug/L)	WT-OF	8	0.37	0	0	0.37	0.37	0.37	100
Tetrachloroethene (ug/L)	ST-1	5	1	0	0	1	1	1	100
Tetrachloroethene (ug/L)	WT-1	28	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	WT-2	30	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	WT-3	19	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	WT-4	19	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	WT-OF	8	0.48	0	0	0.48	0.48	0.48	100
Toluene (ug/L)	ST-1	5	1	0	0	1	1	1	100
Toluene (ug/L)	WT-1	28	1.32	2.727	0.5153	0.43	0.43	12.7	85.71
Toluene (ug/L)	WT-2	30	0.4907	0.2334	0.04261	0.43	0.43	1.47	93.33
Toluene (ug/L)	WT-3	18	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	WT-4	19	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	WT-OF	8	0.43	0	0	0.43	0.43	0.43	100
trans-1,2-Dichloroethene (ug/L)	ST-1	5	1	0	0	1	1	1	100
trans-1,2-Dichloroethene (ug/L)	WT-1	28	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethene (ug/L)	WT-2	30	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethene (ug/L)	WT-3	19	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethene (ug/L)	WT-4	19	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethene (ug/L)	WT-OF	8	0.27	0	0	0.27	0.27	0.27	100
trans-1,3-Dichloropropene (ug/L)	ST-1	5	5	0	0	5	5	5	100
trans-1,3-Dichloropropene (ug/L)	WT-1	28	0.5543	0.03024	0.005714	0.56	0.4	0.56	96.43
trans-1,3-Dichloropropene (ug/L)	WT-2	29	0.56	0	0	0.56	0.56	0.56	100
trans-1,3-Dichloropropene (ug/L)	WT-3	19	0.56	0	0	0.56	0.56	0.56	100
trans-1,3-Dichloropropene (ug/L)	WT-4	19	0.56	0	0	0.56	0.56	0.56	100
trans-1,3-Dichloropropene (ug/L)	WT-OF	8	0.56	0	0	0.56	0.56	0.56	100
trans-1,4-Dichloro-2-Butene (ug/L)	ST-1	5	10	0	0	10	10	10	100
trans-1,4-Dichloro-2-Butene (ug/L)	WT-1	28	1.1	0	0	1.1	1.1	1.1	100
trans-1,4-Dichloro-2-Butene (ug/L)	WT-2	30	1.1	0	0	1.1	1.1	1.1	100
trans-1,4-Dichloro-2-Butene (ug/L)	WT-3	19	1.1	0	0	1.1	1.1	1.1	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 10:47 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
trans-1,4-Dichloro-2-Butene (ug/L)	WT-4	19	1.1	0	0	1.1	1.1	1.1	100
trans-1,4-Dichloro-2-Butene (ug/L)	WT-OF	8	1.1	0	0	1.1	1.1	1.1	100
Trichloroethene (ug/L)	ST-1	5	1	0	0	1	1	1	100
Trichloroethene (ug/L)	WT-1	28	0.4305	0.002457	0.0004643	0.43	0.43	0.443	96.43
Trichloroethene (ug/L)	WT-2	30	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	WT-3	19	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	WT-4	19	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	WT-OF	8	0.43	0	0	0.43	0.43	0.43	100
Trichlorofluoromethane (ug/L)	ST-1	5	4	0	0	4	4	4	100
Trichlorofluoromethane (ug/L)	WT-1	28	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane (ug/L)	WT-2	30	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane (ug/L)	WT-3	19	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane (ug/L)	WT-4	19	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane (ug/L)	WT-OF	8	0.38	0	0	0.38	0.38	0.38	100
Vinyl Acetate (ug/L)	ST-1	5	2	0	0	2	2	2	100
Vinyl Acetate (ug/L)	WT-1	27	2.5	0	0	2.5	2.5	2.5	100
Vinyl Acetate (ug/L)	WT-2	29	2.5	0	0	2.5	2.5	2.5	100
Vinyl Acetate (ug/L)	WT-3	18	2.5	0	0	2.5	2.5	2.5	100
Vinyl Acetate (ug/L)	WT-4	18	2.5	0	0	2.5	2.5	2.5	100
Vinyl Acetate (ug/L)	WT-OF	8	2.5	0	0	2.5	2.5	2.5	100
Vinyl Chloride (ug/L)	ST-1	5	1	0	0	1	1	1	100
Vinyl Chloride (ug/L)	WT-1	28	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	WT-2	30	0.1818	0.009676	0.001767	0.18	0.18	0.233	96.67
Vinyl Chloride (ug/L)	WT-3	19	0.1803	0.001147	0.0002632	0.18	0.18	0.185	94.74
Vinyl Chloride (ug/L)	WT-4	19	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	WT-OF	8	0.18	0	0	0.18	0.18	0.18	100
Xylenes, Total (ug/L)	ST-1	5	3	0	0	3	3	3	100
Xylenes, Total (ug/L)	WT-1	28	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	WT-2	30	0.5723	0.9439	0.1723	0.4	0.4	5.57	96.67
Xylenes, Total (ug/L)	WT-3	18	0.4086	0.03653	0.008611	0.4	0.4	0.555	94.44
Xylenes, Total (ug/L)	WT-4	19	0.4044	0.01927	0.004421	0.4	0.4	0.484	94.74
Xylenes, Total (ug/L)	WT-OF	8	0.4	0	0	0.4	0.4	0.4	100

Groundwater Underdrain – Trends

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Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 6/24/2025, 3:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Antimony (mg/L)	ST-1	0	0	10	No	5	100	0.02	NP
Antimony (mg/L)	WT-1	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	WT-2	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	WT-3	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	WT-4	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	WT-OF	0	0	17	No	7	100	0.02	NP
Arsenic (mg/L)	ST-1	0	3	13	No	6	66.67	0.02	NP
Arsenic (mg/L)	WT-1	0.0007386	13	20	No	8	37.5	0.02	NP
Arsenic (mg/L)	WT-2	0.000831	6	20	No	8	12.5	0.02	NP
Arsenic (mg/L)	WT-3	0.00351	4	20	No	8	0	0.02	NP
Arsenic (mg/L)	WT-4	0.00003123	6	20	No	8	50	0.02	NP
Arsenic (mg/L)	WT-OF	-0.0001088	-1	-17	No	7	14.29	0.02	NP
Barium (mg/L)	ST-1	-0.007476	-1	-13	No	6	0	0.02	NP
Barium (mg/L)	WT-1	0.05723	14	20	No	8	0	0.02	NP
Barium (mg/L)	WT-2	0.04581	18	20	No	8	0	0.02	NP
Barium (mg/L)	WT-3	0.05974	18	20	No	8	0	0.02	NP
Barium (mg/L)	WT-4	0.01965	14	20	No	8	0	0.02	NP
Barium (mg/L)	WT-OF	0.02607	13	17	No	7	0	0.02	NP
Beryllium (mg/L)	ST-1	0	0	10	No	5	100	0.02	NP
Beryllium (mg/L)	WT-1	0	7	20	No	8	87.5	0.02	NP
Beryllium (mg/L)	WT-2	0	7	20	No	8	87.5	0.02	NP
Beryllium (mg/L)	WT-3	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	WT-4	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	WT-OF	0	0	17	No	7	100	0.02	NP
Cadmium (mg/L)	ST-1	0	0	10	No	5	100	0.02	NP
Cadmium (mg/L)	WT-1	0	-11	-20	No	8	75	0.02	NP
Cadmium (mg/L)	WT-2	0	7	20	No	8	62.5	0.02	NP
Cadmium (mg/L)	WT-3	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	WT-4	0	-1	-20	No	8	75	0.02	NP
Cadmium (mg/L)	WT-OF	0	4	17	No	7	71.43	0.02	NP
Chromium (mg/L)	ST-1	0	0	10	No	5	100	0.02	NP
Chromium (mg/L)	WT-1	0.0007264	10	20	No	8	62.5	0.02	NP
Chromium (mg/L)	WT-2	0	7	20	No	8	87.5	0.02	NP
Chromium (mg/L)	WT-3	0	5	20	No	8	87.5	0.02	NP
Chromium (mg/L)	WT-4	0	5	20	No	8	75	0.02	NP
Chromium (mg/L)	WT-OF	0	4	17	No	7	85.71	0.02	NP
Cobalt (mg/L)	ST-1	-0.005425	-10	-13	No	6	50	0.02	NP
Cobalt (mg/L)	WT-1	0.0007296	4	20	No	8	0	0.02	NP
Cobalt (mg/L)	WT-2	0.0004675	8	20	No	8	0	0.02	NP
Cobalt (mg/L)	WT-3	0.0002399	10	20	No	8	0	0.02	NP
Cobalt (mg/L)	WT-4	0.0001456	11	20	No	8	25	0.02	NP
Cobalt (mg/L)	WT-OF	-0.0003584	-9	-13	No	6	0	0.02	NP
Copper (mg/L)	ST-1	0	0	10	No	5	100	0.02	NP
Copper (mg/L)	WT-1	0.0006517	10	20	No	8	62.5	0.02	NP
Copper (mg/L)	WT-2	0	7	20	No	8	87.5	0.02	NP
Copper (mg/L)	WT-3	0	-5	-20	No	8	75	0.02	NP
Copper (mg/L)	WT-4	0	7	20	No	8	75	0.02	NP
Copper (mg/L)	WT-OF	0	4	17	No	7	85.71	0.02	NP
Lead (mg/L)	ST-1	0	-1	-13	No	6	83.33	0.02	NP
Lead (mg/L)	WT-1	0.001029	20	20	No	8	50	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 6/24/2025, 3:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Lead (mg/L)	WT-2	0	1	20	No	8	75	0.02	NP
Lead (mg/L)	WT-3	0	5	20	No	8	87.5	0.02	NP
Lead (mg/L)	WT-4	0	7	20	No	8	75	0.02	NP
Lead (mg/L)	WT-OF	0	4	17	No	7	85.71	0.02	NP
Nickel (mg/L)	ST-1	0	4	10	No	5	80	0.02	NP
Nickel (mg/L)	WT-1	0.001518	9	20	No	8	25	0.02	NP
Nickel (mg/L)	WT-2	0.0002296	2	20	No	8	0	0.02	NP
Nickel (mg/L)	WT-3	0.001077	10	20	No	8	12.5	0.02	NP
Nickel (mg/L)	WT-4	0.001739	6	20	No	8	0	0.02	NP
Nickel (mg/L)	WT-OF	-0.006673	-9	-17	No	7	0	0.02	NP
Selenium (mg/L)	ST-1	0	-1	-13	No	6	83.33	0.02	NP
Selenium (mg/L)	WT-1	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	WT-2	0	7	20	No	8	87.5	0.02	NP
Selenium (mg/L)	WT-3	0	-1	-20	No	8	87.5	0.02	NP
Selenium (mg/L)	WT-4	0	1	20	No	8	87.5	0.02	NP
Selenium (mg/L)	WT-OF	0	-3	-13	No	6	83.33	0.02	NP
Silver (mg/L)	ST-1	0	0	10	No	5	100	0.02	NP
Silver (mg/L)	WT-1	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	WT-2	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	WT-3	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	WT-4	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	WT-OF	0	0	17	No	7	100	0.02	NP
Thallium (mg/L)	ST-1	0	0	10	No	5	100	0.02	NP
Thallium (mg/L)	WT-1	0	5	20	No	8	87.5	0.02	NP
Thallium (mg/L)	WT-2	0	7	20	No	8	75	0.02	NP
Thallium (mg/L)	WT-3	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	WT-4	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	WT-OF	0	0	17	No	7	100	0.02	NP
Vanadium (mg/L)	ST-1	0	0	10	No	5	100	0.02	NP
Vanadium (mg/L)	WT-1	0.001234	16	20	No	8	62.5	0.02	NP
Vanadium (mg/L)	WT-2	0	1	20	No	8	75	0.02	NP
Vanadium (mg/L)	WT-3	0	5	20	No	8	87.5	0.02	NP
Vanadium (mg/L)	WT-4	0	5	20	No	8	75	0.02	NP
Vanadium (mg/L)	WT-OF	0	4	17	No	7	85.71	0.02	NP
Zinc (mg/L)	ST-1	0	-5	-13	No	6	66.67	0.02	NP
Zinc (mg/L)	WT-1	0.00118	10	20	No	8	62.5	0.02	NP
Zinc (mg/L)	WT-2	0	6	20	No	8	62.5	0.02	NP
Zinc (mg/L)	WT-3	0	-5	-20	No	8	87.5	0.02	NP
Zinc (mg/L)	WT-4	0	7	20	No	8	75	0.02	NP
Zinc (mg/L)	WT-OF	0	4	17	No	7	85.71	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:00 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
1,1,1,2-Tetrachloroethane (...	ST-1	0	0	10	No	5	100	0.02	NP
1,1,1,2-Tetrachloroethane (...	WT-1	0	0	20	No	8	100	0.02	NP
1,1,1,2-Tetrachloroethane (...	WT-2	0	0	20	No	8	100	0.02	NP
1,1,1,2-Tetrachloroethane (...	WT-3	0	0	20	No	8	100	0.02	NP
1,1,1,2-Tetrachloroethane (...	WT-4	0	0	20	No	8	100	0.02	NP
1,1,1,2-Tetrachloroethane (...	WT-OF	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
1,1,2,2-Tetrachloroethane (...	ST-1	0	0	10	No	5	100	0.02	NP
1,1,2,2-Tetrachloroethane (...	WT-1	0	0	20	No	8	100	0.02	NP
1,1,2,2-Tetrachloroethane (...	WT-2	0	0	20	No	8	100	0.02	NP
1,1,2,2-Tetrachloroethane (...	WT-3	0	0	20	No	8	100	0.02	NP
1,1,2,2-Tetrachloroethane (...	WT-4	0	0	20	No	8	100	0.02	NP
1,1,2,2-Tetrachloroethane (...	WT-OF	0	0	20	No	8	100	0.02	NP
1,1,2-Trichloroethane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
1,1,2-Trichloroethane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
1,1,2-Trichloroethane (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
1,1,2-Trichloroethane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
1,1,2-Trichloroethane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
1,1,2-Trichloroethane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
1,1-Dichloroethane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	WT-2	0	-3	-20	No	8	87.5	0.02	NP
1,1-Dichloroethane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethene (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
1,1-Dichloroethene (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethene (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethene (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethene (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethene (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
1,2,3-Trichloropropane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
1,2,3-Trichloropropane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
1,2,3-Trichloropropane (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
1,2,3-Trichloropropane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
1,2,3-Trichloropropane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
1,2,3-Trichloropropane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
1,2-Dibromo-3-Chloropropane...	ST-1	0	0	10	No	5	100	0.02	NP
1,2-Dibromo-3-Chloropropane...	WT-1	0	0	20	No	8	100	0.02	NP
1,2-Dibromo-3-Chloropropane...	WT-2	0	0	20	No	8	100	0.02	NP
1,2-Dibromo-3-Chloropropane...	WT-3	0	0	20	No	8	100	0.02	NP
1,2-Dibromo-3-Chloropropane...	WT-4	0	0	20	No	8	100	0.02	NP
1,2-Dibromo-3-Chloropropane...	WT-OF	0	0	20	No	8	100	0.02	NP
1,2-Dibromoethane [EDB] (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
1,2-Dibromoethane [EDB] (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:00 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
1,2-Dibromoethane [EDB] (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
1,2-Dibromoethane [EDB] (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
1,2-Dibromoethane [EDB] (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
1,2-Dibromoethane [EDB] (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
1,2-Dichlorobenzene (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
1,2-Dichlorobenzene (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
1,2-Dichlorobenzene (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
1,2-Dichlorobenzene (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
1,2-Dichlorobenzene (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
1,2-Dichlorobenzene (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
1,2-Dichloroethane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
1,2-Dichloropropane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
1,4-Dichlorobenzene (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
1,4-Dichlorobenzene (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
1,4-Dichlorobenzene (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
1,4-Dichlorobenzene (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
1,4-Dichlorobenzene (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
1,4-Dichlorobenzene (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
2-Butanone [MEK] (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	WT-OF	0	1	20	No	8	87.5	0.02	NP
2-Hexanone (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
2-Hexanone (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
2-Hexanone (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
2-Hexanone (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
2-Hexanone (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
2-Hexanone (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	ST-1	0	0	10	No	5	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	WT-1	0	5	20	No	8	75	0.02	NP
4-Methyl-2-pentanone [MIBK]...	WT-2	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	WT-3	0	5	20	No	8	87.5	0.02	NP
4-Methyl-2-pentanone [MIBK]...	WT-4	0	5	20	No	8	87.5	0.02	NP
4-Methyl-2-pentanone [MIBK]...	WT-OF	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Acetone (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	WT-3	0	-2	-20	No	8	62.5	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:00 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Acetone (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	WT-OF	0	-1	-20	No	8	87.5	0.02	NP
Acrylonitrile (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Acrylonitrile (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Acrylonitrile (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Acrylonitrile (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Acrylonitrile (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Acrylonitrile (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Benzene (ug/L)	WT-1	0	3	20	No	8	87.5	0.02	NP
Benzene (ug/L)	WT-2	0	-3	-20	No	8	87.5	0.02	NP
Benzene (ug/L)	WT-3	0	2	20	No	8	62.5	0.02	NP
Benzene (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Bromochloromethane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Bromochloromethane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Bromochloromethane (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Bromochloromethane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Bromochloromethane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Bromochloromethane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Bromodichloromethane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Bromodichloromethane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Bromodichloromethane (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Bromodichloromethane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Bromodichloromethane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Bromodichloromethane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Bromoform (ug/L)	ST-1	0	0	8	No	4	100	0.02	NP
Bromoform (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Bromoform (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Bromoform (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Bromoform (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Bromoform (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Bromomethane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Bromomethane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Bromomethane (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Bromomethane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Bromomethane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Bromomethane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Carbon Disulfide (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Carbon Tetrachloride (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:00 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Chlorobenzene (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Chlorobenzene (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Chlorodibromomethane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Chlorodibromomethane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Chlorodibromomethane (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Chlorodibromomethane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Chlorodibromomethane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Chlorodibromomethane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Chloroethane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Chloroform (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Chloroform (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Chloroform (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Chloroform (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Chloroform (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Chloroform (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Chloromethane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
cis-1,3-Dichloropropene (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
cis-1,3-Dichloropropene (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
cis-1,3-Dichloropropene (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
cis-1,3-Dichloropropene (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
cis-1,3-Dichloropropene (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
cis-1,3-Dichloropropene (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Dibromomethane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Dibromomethane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Dibromomethane (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Dibromomethane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Dibromomethane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Dibromomethane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Ethylbenzene (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:00 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Ethylbenzene (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Iodomethane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Iodomethane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Iodomethane (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Iodomethane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Iodomethane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Iodomethane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Methylene Chloride (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Methylene Chloride (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Methylene Chloride (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Methylene Chloride (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Methylene Chloride (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Methylene Chloride (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Styrene (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Styrene (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Styrene (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Styrene (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Styrene (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Styrene (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Tetrachloroethene (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Toluene (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	ST-1	0	0	10	No	5	100	0.02	NP
trans-1,2-Dichloroethene (u...	WT-1	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	WT-2	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	WT-3	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	WT-4	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	WT-OF	0	0	20	No	8	100	0.02	NP
trans-1,3-Dichloropropene (...	ST-1	0	0	10	No	5	100	0.02	NP
trans-1,3-Dichloropropene (...	WT-1	0	5	20	No	8	87.5	0.02	NP
trans-1,3-Dichloropropene (...	WT-2	0	0	20	No	8	100	0.02	NP
trans-1,3-Dichloropropene (...	WT-3	0	0	20	No	8	100	0.02	NP
trans-1,3-Dichloropropene (...	WT-4	0	0	20	No	8	100	0.02	NP
trans-1,3-Dichloropropene (...	WT-OF	0	0	20	No	8	100	0.02	NP
trans-1,4-Dichloro-2-Butene...	ST-1	0	0	10	No	5	100	0.02	NP
trans-1,4-Dichloro-2-Butene...	WT-1	0	0	20	No	8	100	0.02	NP
trans-1,4-Dichloro-2-Butene...	WT-2	0	0	20	No	8	100	0.02	NP
trans-1,4-Dichloro-2-Butene...	WT-3	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:00 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
trans-1,4-Dichloro-2-Butene...	WT-4	0	0	20	No	8	100	0.02	NP
trans-1,4-Dichloro-2-Butene...	WT-OF	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Trichloroethene (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Trichlorofluoromethane (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Vinyl Acetate (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Vinyl Acetate (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Vinyl Acetate (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Vinyl Acetate (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Vinyl Acetate (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Vinyl Acetate (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Vinyl Chloride (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	ST-1	0	0	10	No	5	100	0.02	NP
Xylenes, Total (ug/L)	WT-1	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	WT-2	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	WT-3	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	WT-4	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	WT-OF	0	0	20	No	8	100	0.02	NP

Groundwater Underdrain –

Prediction Limits

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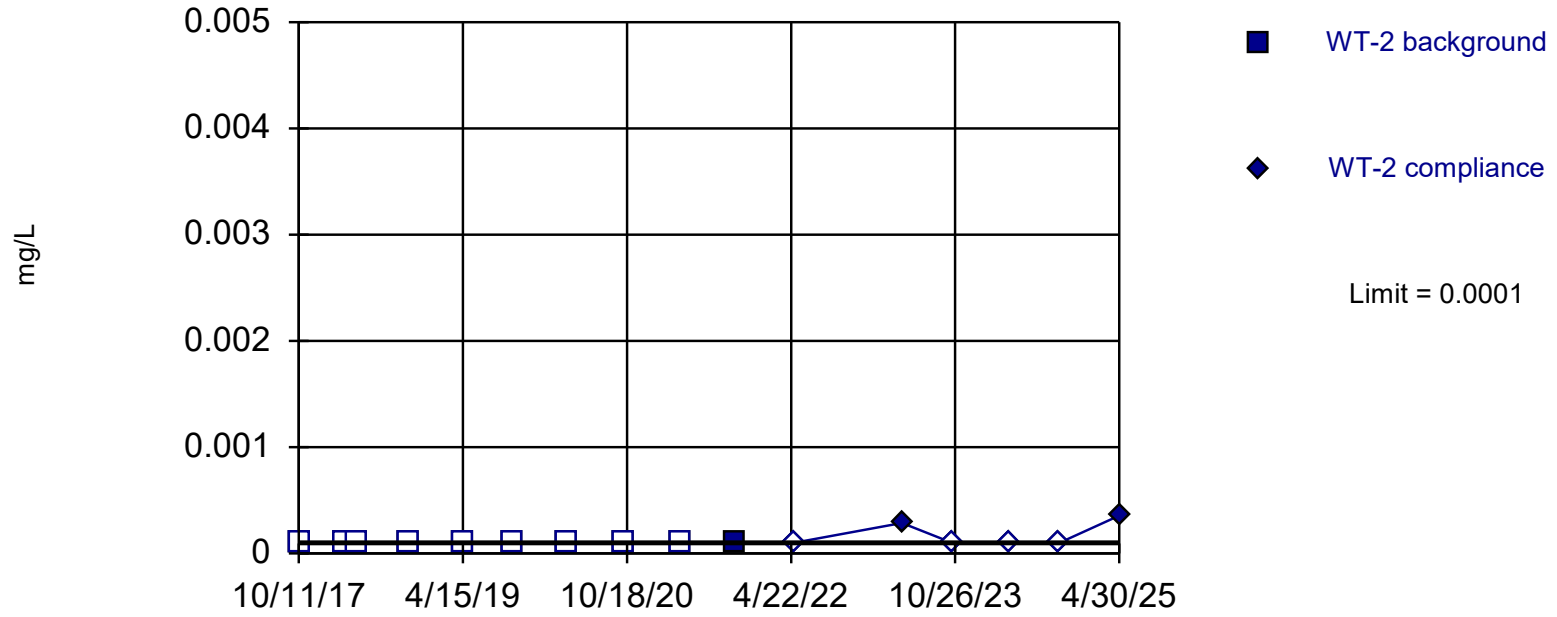
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Cadmium Analysis Run 6/24/2025 3:48 PM View: 01_GU_Inorganics_PL_WT1 & WT2

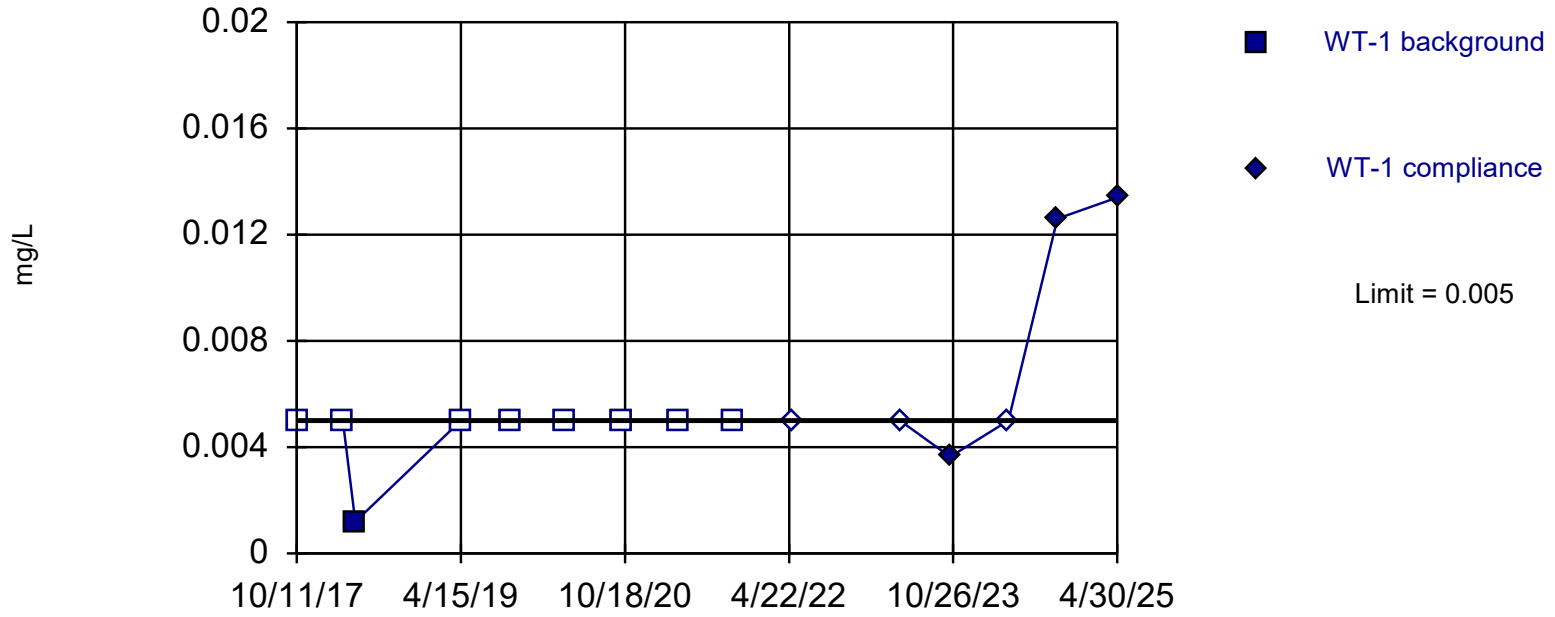
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2).

Constituent: Chromium Analysis Run 6/24/2025 3:48 PM View: 01_GU_Inorganics_PL_WT1 & WT2

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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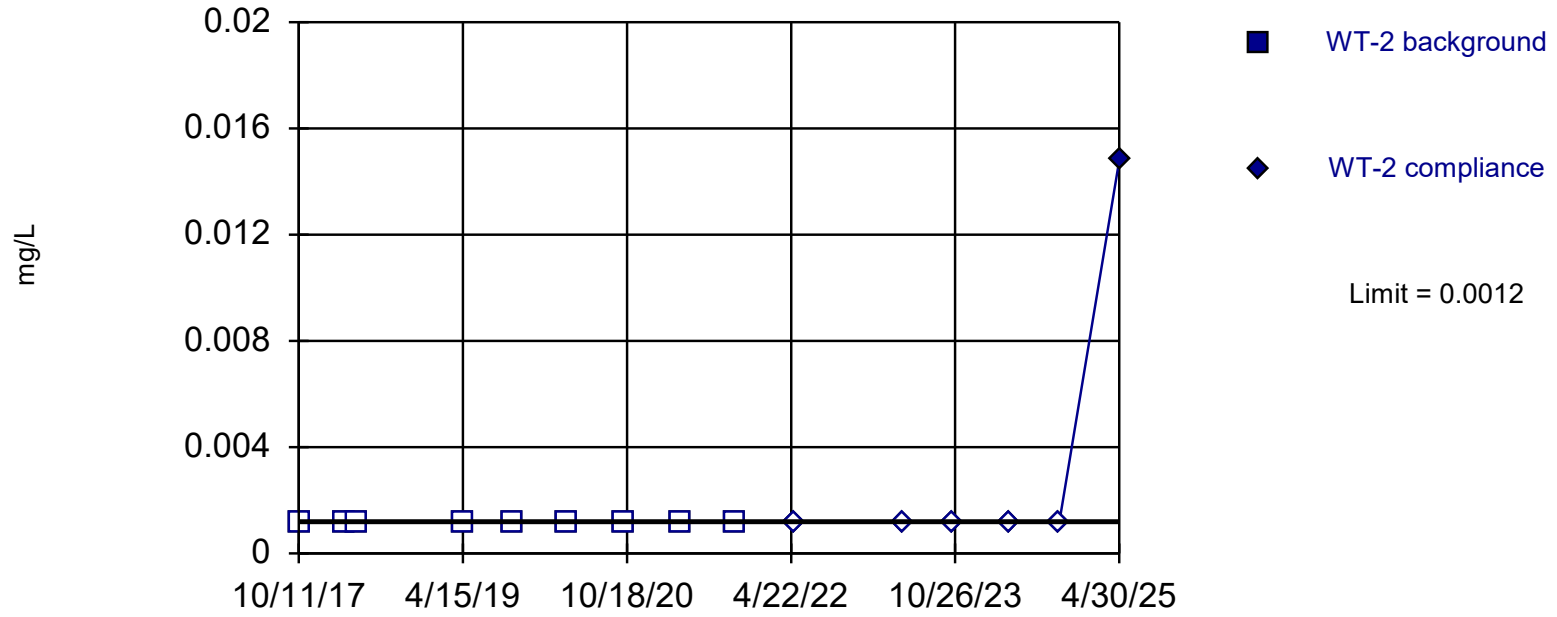
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 9) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2).

Constituent: Chromium Analysis Run 6/24/2025 3:48 PM View: 01_GU_Inorganics_PL_WT1 & WT2

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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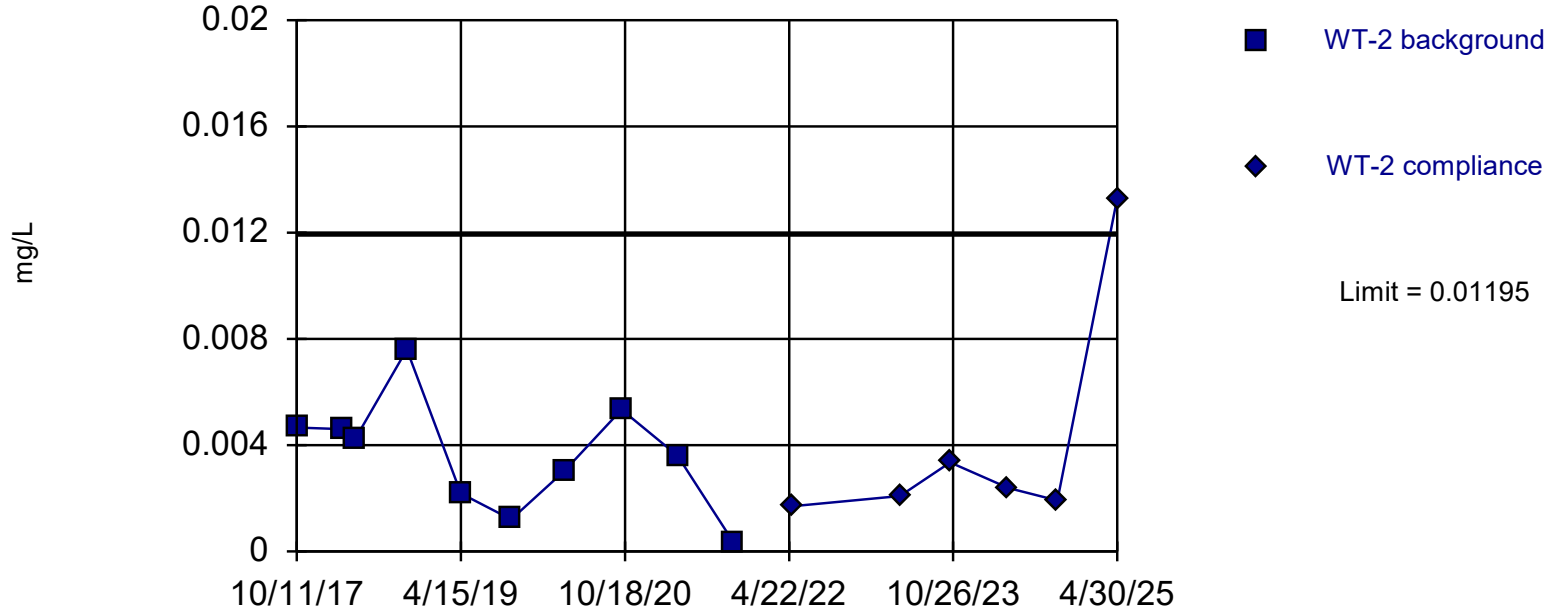
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.003681, Std. Dev.=0.002119, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9805, critical = 0.781. Kappa = 3.9 (c=14, w=42, 1 of 2, event alpha = 0.05132). Report alpha = 0.00008959.

Constituent: Cobalt Analysis Run 6/24/2025 3:48 PM View: 01_GU_Inorganics_PL_WT1 & WT2

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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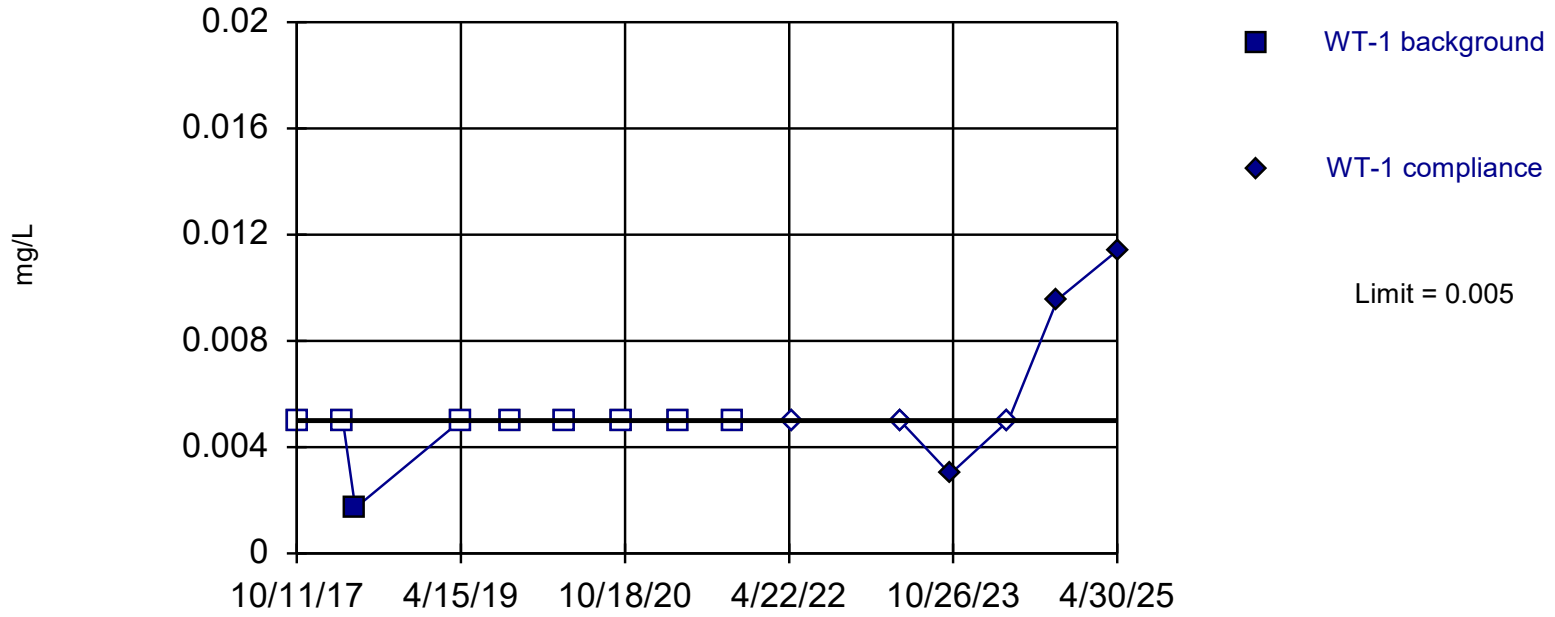
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2).

Constituent: Copper Analysis Run 6/24/2025 3:48 PM View: 01_GU_Inorganics_PL_WT1 & WT2

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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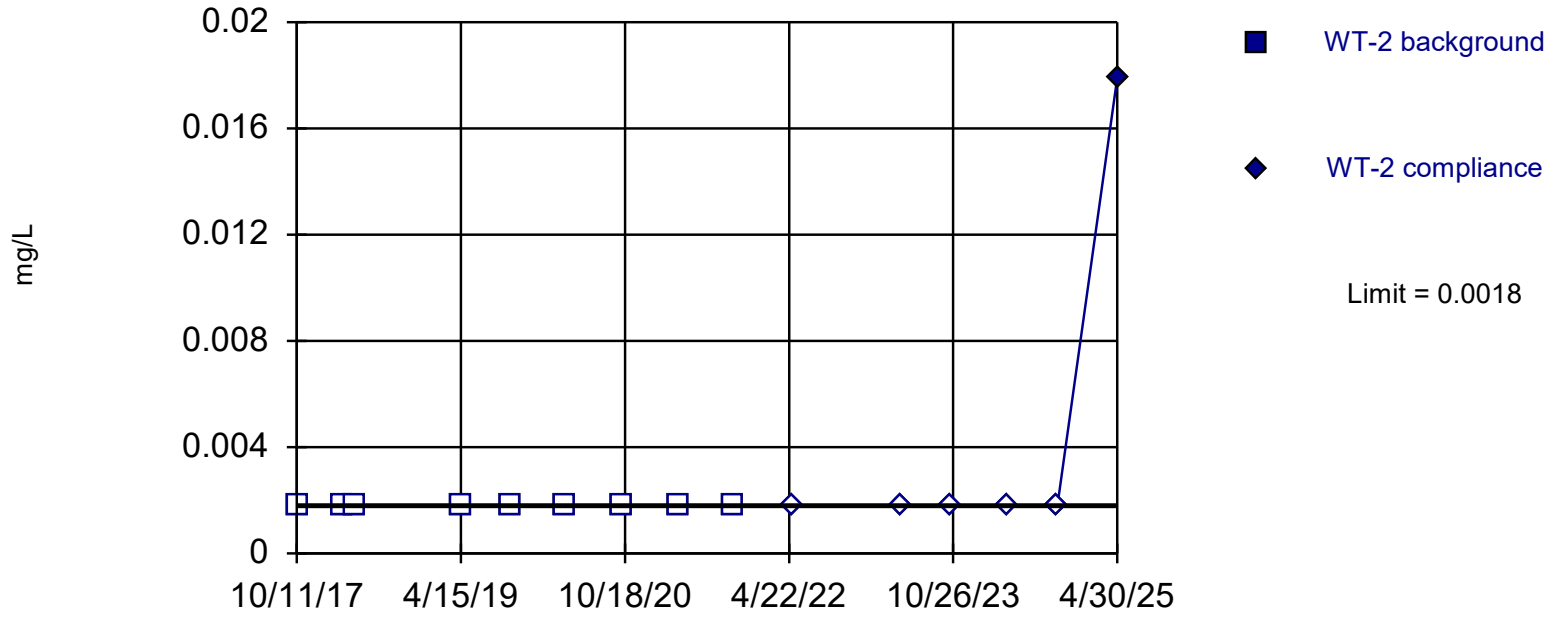
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 9) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2).

Constituent: Copper Analysis Run 6/24/2025 3:48 PM View: 01_GU_Inorganics_PL_WT1 & WT2

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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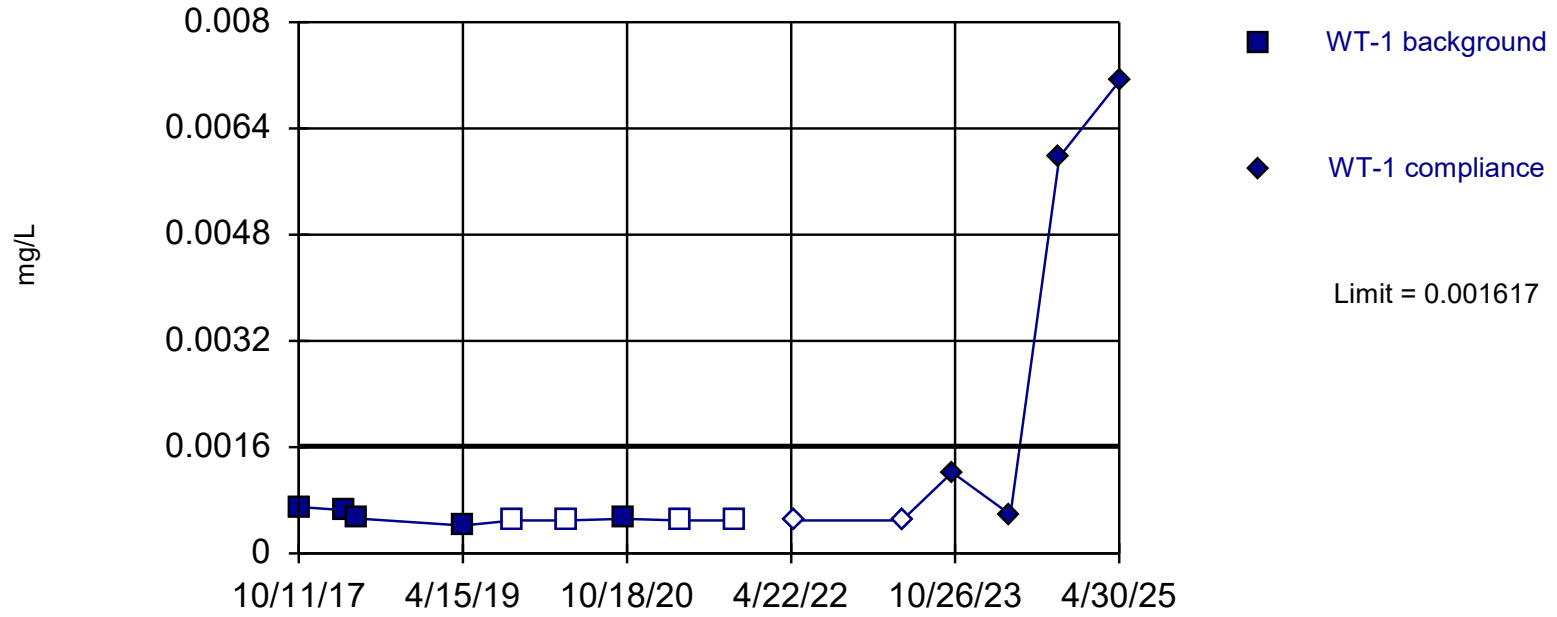
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Aitchison`s Adjustment): Mean=0.0003133, Std. Dev.=0.0003073, n=9, 44.44% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8328, critical = 0.764. Kappa = 4.243 (c=14, w=42, 1 of 2, event alpha = 0.05132). Report alpha = 0.00008959.

Constituent: Lead Analysis Run 6/24/2025 3:48 PM View: 01_GU_Inorganics_PL_WT1 & WT2

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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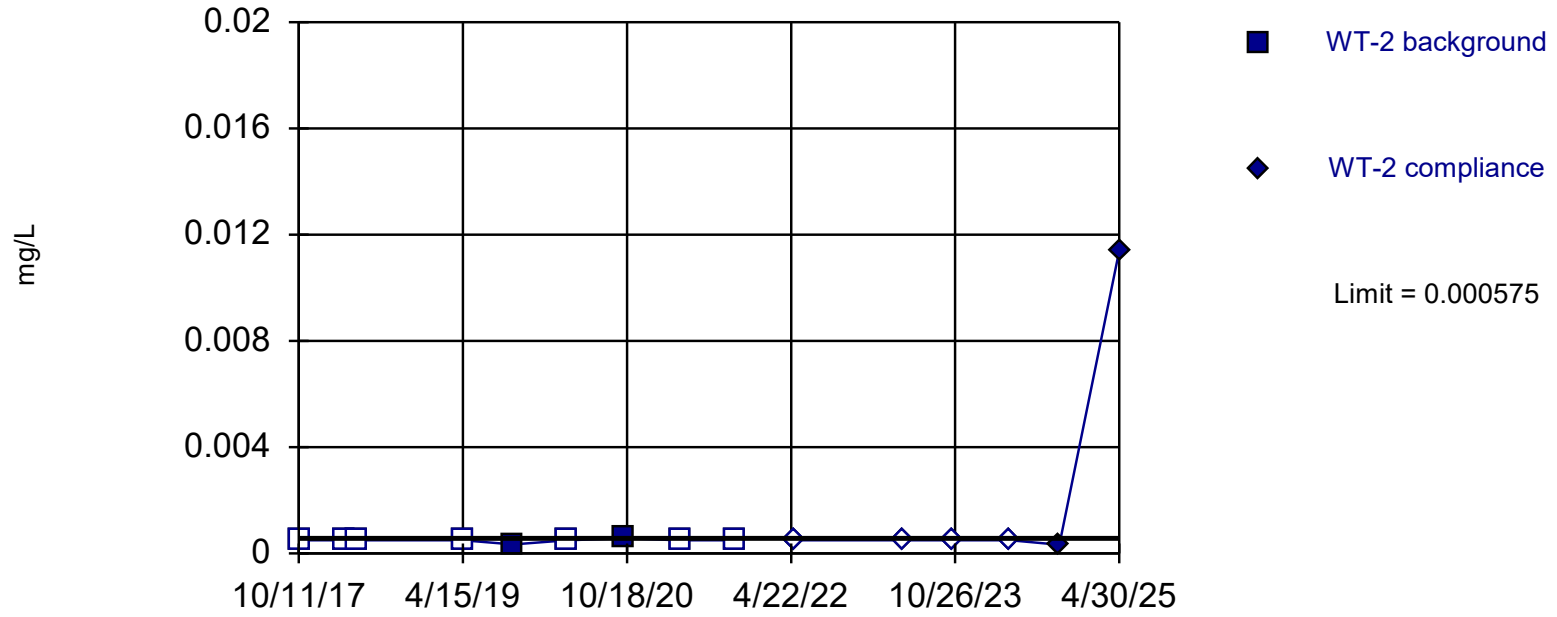
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2).

Constituent: Lead Analysis Run 6/24/2025 3:48 PM View: 01_GU_Inorganics_PL_WT1 & WT2

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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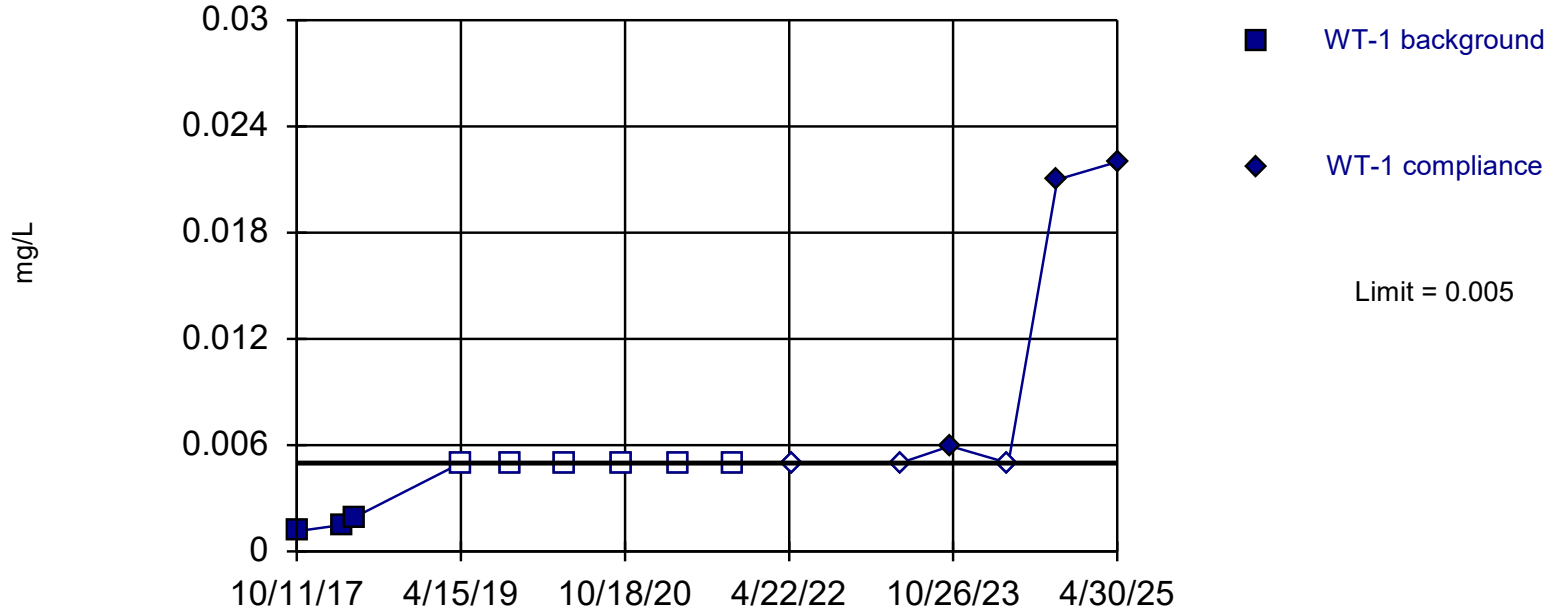
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2).

Constituent: Vanadium Analysis Run 6/24/2025 3:48 PM View: 01_GU_Inorganics_PL_WT1 & WT2

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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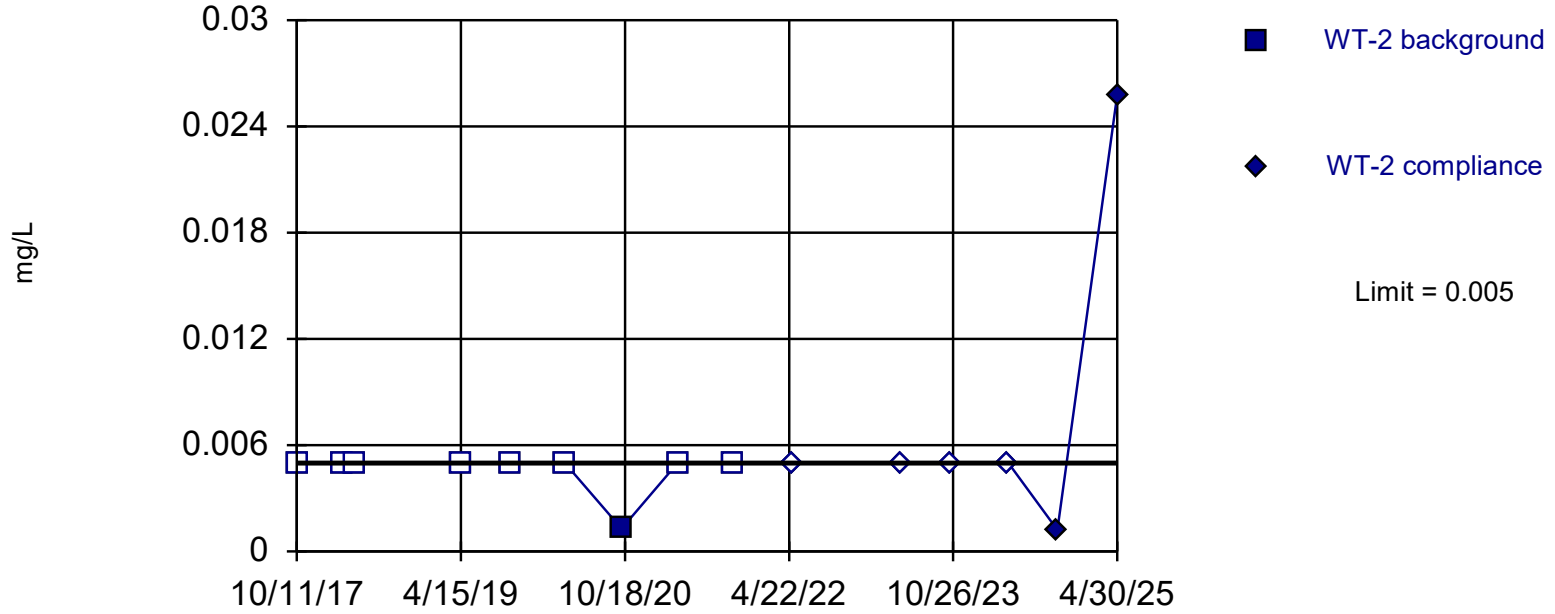
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2).

Constituent: Vanadium Analysis Run 6/24/2025 3:48 PM View: 01_GU_Inorganics_PL_WT1 & WT2

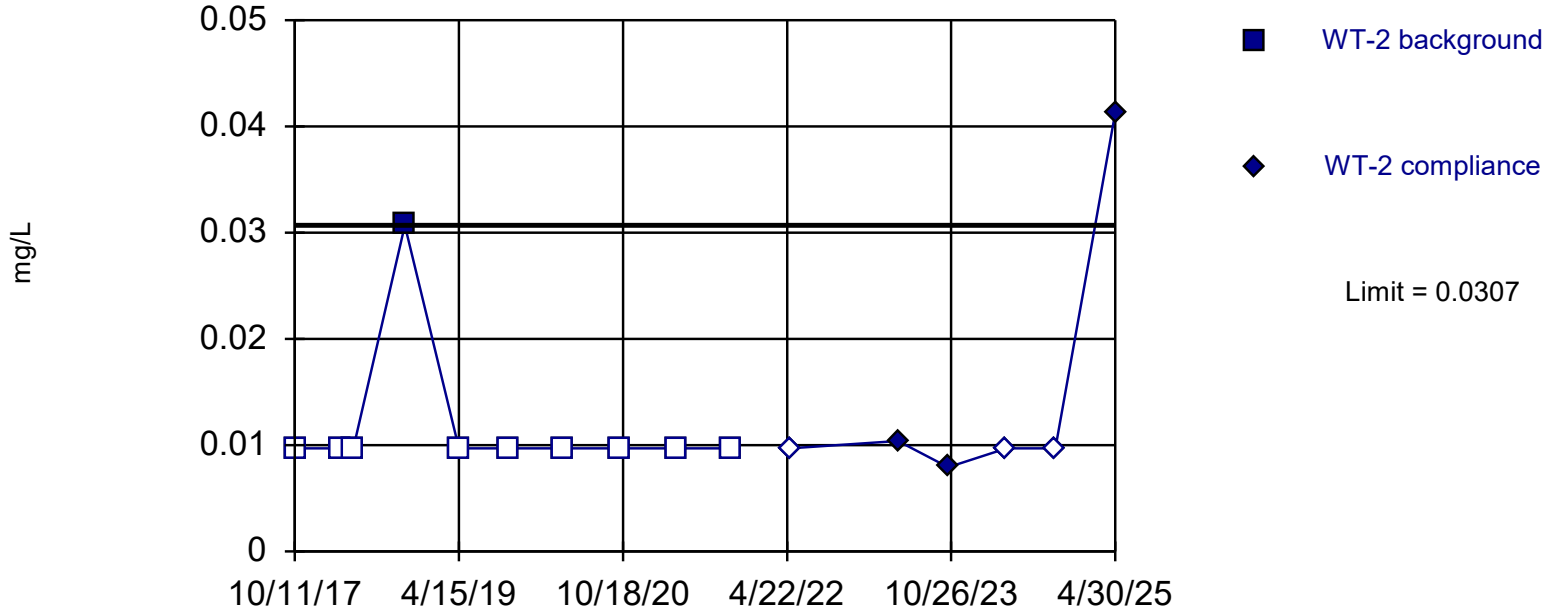
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Zinc Analysis Run 6/24/2025 3:48 PM View: 01_GU_Inorganics_PL_WT1 & WT2

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 6/24/2025, 3:48 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	WT-1	0.001	4/30/2025	0.001ND	No	10	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Antimony (mg/L)	WT-2	0.001	4/30/2025	0.001ND	No	10	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	WT-1	0.009447	4/30/2025	0.00426	No	10	n/a	30	Aitch...	No	0.000...	Param Intra 1 of 2
Arsenic (mg/L)	WT-2	0.1016	4/30/2025	0.0096	No	10	n/a	10	None	x^(1/3)	0.000...	Param Intra 1 of 2
Barium (mg/L)	WT-1	0.4891	4/30/2025	0.331	No	9	n/a	0	None	No	0.000...	Param Intra 1 of 2
Barium (mg/L)	WT-2	0.3807	4/30/2025	0.282	No	10	n/a	0	None	No	0.000...	Param Intra 1 of 2
Beryllium (mg/L)	WT-1	0.00033	4/30/2025	0.000692J	No	10	n/a	100	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	WT-2	0.000538	4/30/2025	0.00093J	No	10	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	WT-1	0.0002	4/30/2025	0.000178J	No	10	n/a	100	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	**WT-2**	**0.0001**	**4/30/2025**	**0.000356**	**Yes**	**10**	**n/a**	**90**	**n/a**	**n/a**	**0.01476**	**NP Intra (NDs) 1 of 2**
Chromium (mg/L)	**WT-1**	**0.005**	**4/30/2025**	**0.0134**	**Yes**	**9**	**n/a**	**88.89**	**n/a**	**n/a**	**0.01809**	**NP Intra (NDs) 1 of 2**
Chromium (mg/L)	**WT-2**	**0.0012**	**4/30/2025**	**0.0148**	**Yes**	**9**	**n/a**	**100**	**n/a**	**n/a**	**0.01809**	**NP Intra (NDs) 1 of 2**
Cobalt (mg/L)	WT-1	0.01128	4/30/2025	0.0099	No	9	n/a	0	None	No	0.000...	Param Intra 1 of 2
Cobalt (mg/L)	**WT-2**	**0.01195**	**4/30/2025**	**0.0133**	**Yes**	**10**	**n/a**	**0**	**None**	**No**	**0.000...**	**Param Intra 1 of 2**
Copper (mg/L)	**WT-1**	**0.005**	**4/30/2025**	**0.0114**	**Yes**	**9**	**n/a**	**88.89**	**n/a**	**n/a**	**0.01809**	**NP Intra (NDs) 1 of 2**
Copper (mg/L)	**WT-2**	**0.0018**	**4/30/2025**	**0.0179**	**Yes**	**9**	**n/a**	**100**	**n/a**	**n/a**	**0.01809**	**NP Intra (NDs) 1 of 2**
Lead (mg/L)	**WT-1**	**0.001617**	**4/30/2025**	**0.00711**	**Yes**	**9**	**n/a**	**44.44**	**Aitch...**	**No**	**0.000...**	**Param Intra 1 of 2**
Lead (mg/L)	**WT-2**	**0.000575**	**4/30/2025**	**0.0114**	**Yes**	**9**	**n/a**	**77.78**	**n/a**	**n/a**	**0.01809**	**NP Intra (NDs) 1 of 2**
Nickel (mg/L)	WT-1	0.04897	4/30/2025	0.014	No	10	n/a	10	None	sqrt(x)	0.000...	Param Intra 1 of 2
Nickel (mg/L)	WT-2	0.02661	4/30/2025	0.0209	No	10	n/a	0	None	No	0.000...	Param Intra 1 of 2
Selenium (mg/L)	WT-1	0.00233	4/30/2025	0.0014ND	No	10	n/a	80	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Selenium (mg/L)	WT-2	0.00178	4/30/2025	0.00205J	No	10	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Silver (mg/L)	WT-1	0.00059	4/30/2025	0.0005ND	No	10	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Silver (mg/L)	WT-2	0.0005	4/30/2025	0.0005ND	No	10	n/a	100	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Thallium (mg/L)	WT-1	0.00057	4/30/2025	0.00057ND	No	10	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Thallium (mg/L)	WT-2	0.00057	4/30/2025	0.00057ND	No	10	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	**WT-1**	**0.005**	**4/30/2025**	**0.022**	**Yes**	**9**	**n/a**	**66.67**	**n/a**	**n/a**	**0.01809**	**NP Intra (NDs) 1 of 2**
Vanadium (mg/L)	**WT-2**	**0.005**	**4/30/2025**	**0.0258**	**Yes**	**9**	**n/a**	**88.89**	**n/a**	**n/a**	**0.01809**	**NP Intra (NDs) 1 of 2**
Zinc (mg/L)	WT-1	0.0315	4/30/2025	0.0304	No	10	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Zinc (mg/L)	**WT-2**	**0.0307**	**4/30/2025**	**0.0413**	**Yes**	**10**	**n/a**	**90**	**n/a**	**n/a**	**0.01476**	**NP Intra (NDs) 1 of 2**

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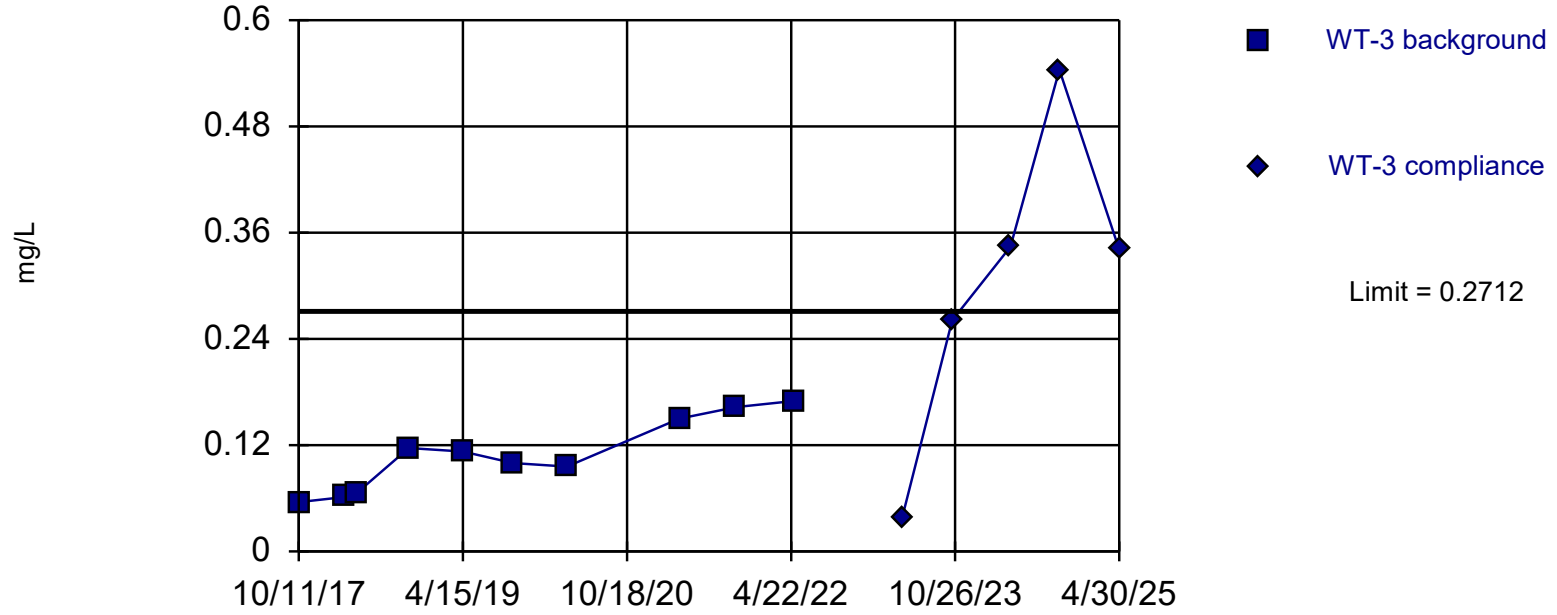
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.1093, Std. Dev.=0.04151, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9257, critical = 0.781. Kappa = 3.9 (c=14, w=42, 1 of 2, event alpha = 0.05132). Report alpha = 0.00008959.

Constituent: Barium Analysis Run 6/24/2025 3:51 PM View: 01_GU_Inorganics_PL_WT3

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 6/24/2025, 3:51 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	WT-3	0.001	4/30/2025	0.001ND	No	10	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	WT-3	0.03575	4/30/2025	0.012	No	10	n/a	0	None	No	0.000...	Param Intra 1 of 2
Barium (mg/L)	**WT-3**	**0.2712**	**4/30/2025**	**0.341**	**Yes**	**10**	**n/a**	**0**	**None**	**No**	**0.000...**	**Param Intra 1 of 2**
Beryllium (mg/L)	WT-3	0.00033	4/30/2025	0.00033ND	No	10	n/a	100	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	WT-3	0.0001	4/30/2025	0.0001ND	No	10	n/a	100	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Chromium (mg/L)	WT-3	0.0018	4/30/2025	0.0018ND	No	9	n/a	100	n/a	n/a	0.01809	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	WT-3	0.02079	4/30/2025	0.00104	No	10	n/a	0	None	sqrt(x)	0.000...	Param Intra 1 of 2
Copper (mg/L)	WT-3	0.0052	4/30/2025	0.0032ND	No	10	n/a	80	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Lead (mg/L)	WT-3	0.00033	4/30/2025	0.00033ND	No	9	n/a	100	n/a	n/a	0.01809	NP Intra (NDs) 1 of 2
Nickel (mg/L)	WT-3	0.02137	4/30/2025	0.00115ND	No	10	n/a	0	None	No	0.000...	Param Intra 1 of 2
Selenium (mg/L)	WT-3	0.0014	4/30/2025	0.0014ND	No	10	n/a	100	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Silver (mg/L)	WT-3	0.0005	4/30/2025	0.0005ND	No	10	n/a	100	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Thallium (mg/L)	WT-3	0.00057	4/30/2025	0.00057ND	No	10	n/a	100	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	WT-3	0.0017	4/30/2025	0.0017ND	No	9	n/a	100	n/a	n/a	0.01809	NP Intra (NDs) 1 of 2
Zinc (mg/L)	WT-3	0.0174	4/30/2025	0.013ND	No	10	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 6/24/2025, 3:53 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	WT-4	0.001	4/30/2025	0.001ND	No	9	n/a	88.89	n/a	n/a	0.01809	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	WT-4	0.00266	4/30/2025	0.00053ND	No	9	n/a	55.56	n/a	n/a	0.01809	NP Intra (NDs) 1 of 2
Barium (mg/L)	WT-4	0.1258	4/30/2025	0.0782	No	9	n/a	0	None	ln(x)	0.000...	Param Intra 1 of 2
Beryllium (mg/L)	WT-4	0.00033	4/30/2025	0.00033ND	No	9	n/a	100	n/a	n/a	0.01809	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	WT-4	0.00022	4/30/2025	0.0001ND	No	9	n/a	66.67	n/a	n/a	0.01809	NP Intra (NDs) 1 of 2
Chromium (mg/L)	WT-4	0.0018	4/30/2025	0.0018ND	No	8	n/a	100	n/a	n/a	0.02144	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	WT-4	0.00361	4/30/2025	0.00099	No	9	n/a	11.11	None	No	0.000...	Param Intra 1 of 2
Copper (mg/L)	WT-4	0.00498	4/30/2025	0.0032ND	No	9	n/a	88.89	n/a	n/a	0.01809	NP Intra (NDs) 1 of 2
Lead (mg/L)	WT-4	0.000645	4/30/2025	0.00033ND	No	8	n/a	62.5	n/a	n/a	0.02144	NP Intra (NDs) 1 of 2
Nickel (mg/L)	WT-4	0.04288	4/30/2025	0.00475J	No	9	n/a	11.11	None	No	0.000...	Param Intra 1 of 2
Selenium (mg/L)	WT-4	0.00148	4/30/2025	0.0014ND	No	8	n/a	87.5	n/a	n/a	0.02144	NP Intra (NDs) 1 of 2
Silver (mg/L)	WT-4	0.0005	4/30/2025	0.0005ND	No	9	n/a	100	n/a	n/a	0.01809	NP Intra (NDs) 1 of 2
Thallium (mg/L)	WT-4	0.00057	4/30/2025	0.00057ND	No	9	n/a	100	n/a	n/a	0.01809	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	WT-4	0.0017	4/30/2025	0.0017ND	No	8	n/a	87.5	n/a	n/a	0.02144	NP Intra (NDs) 1 of 2
Zinc (mg/L)	WT-4	0.0131	4/30/2025	0.013ND	No	8	n/a	75	n/a	n/a	0.02144	NP Intra (NDs) 1 of 2

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Groundwater Underdrain –

DQR

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Data Screening

Analysis Run 7/13/2025 11:09 AM View: 02_GU_Organics
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

UG 'Double Quantification Rule' results for 47 constituents in 6 wells on 17 dates:

-none-

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Statistical Analysis:

Monitoring Wells

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Groundwater Monitoring Wells –

Outliers Analysis

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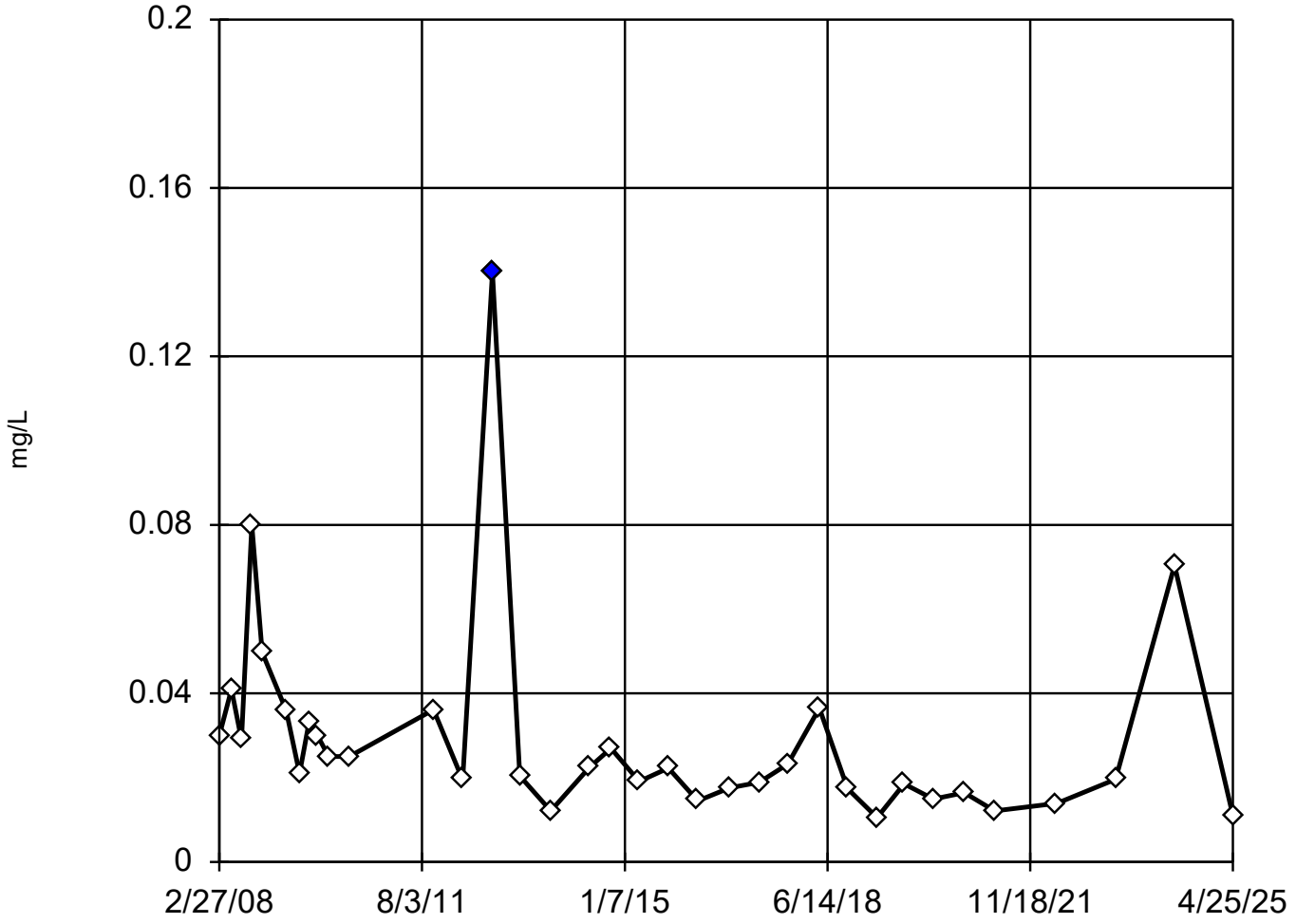
Rosner's Outlier Test

MW-8B



n = 35

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.

k = 1
r = 3.078
Tabulated value = 2.95
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9601
Critical = 0.943 (after natural log transformation)
The distribution, after removal of suspect value, was found to be log-normal.

Constituent: Arsenic Analysis Run 7/13/2025 7:36 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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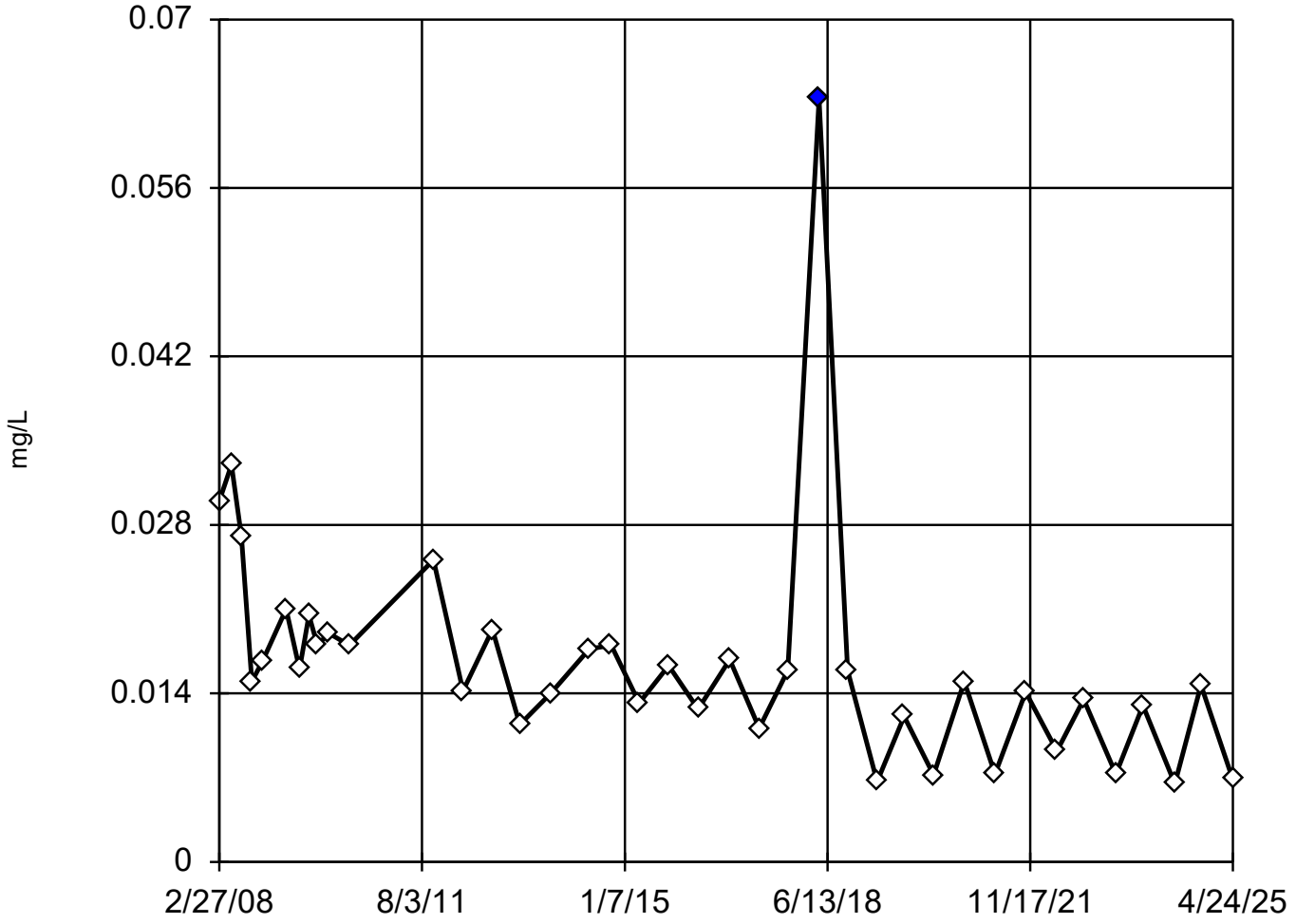
Tukey's Outlier Screening

MW-15A



n = 39

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.05926, low cutoff = 0.003676, based on IQR multiplier of 3.

Constituent: Arsenic Analysis Run 7/13/2025 7:36 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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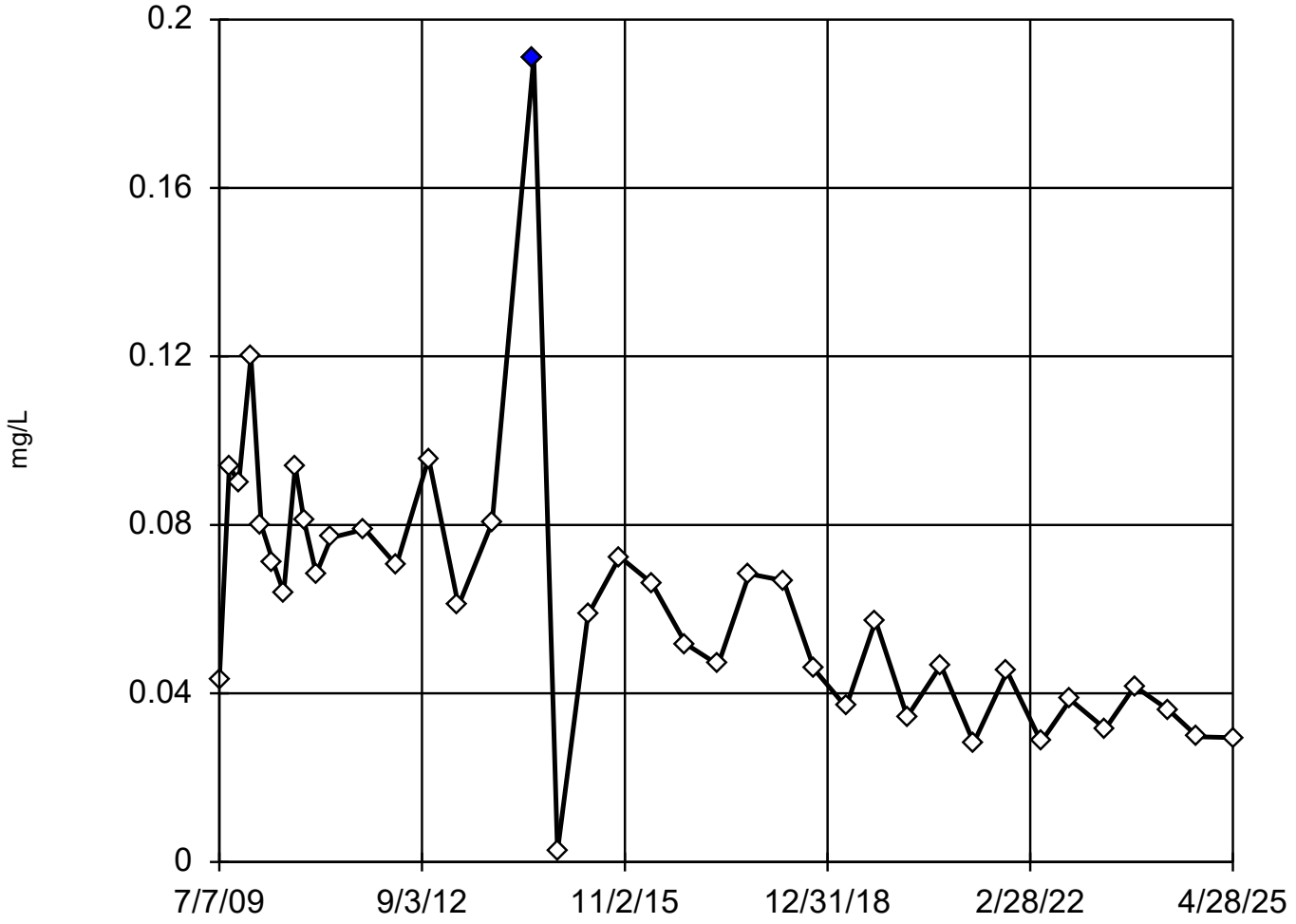
Rosner's Outlier Test

MW-209B



n = 39

Statistical outlier is drawn as solid.
2 values manually flagged as outliers.

k = 1
r = 4.008
Tabulated value = 2.974
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9805
Critical = 0.947
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Arsenic Analysis Run 7/13/2025 7:36 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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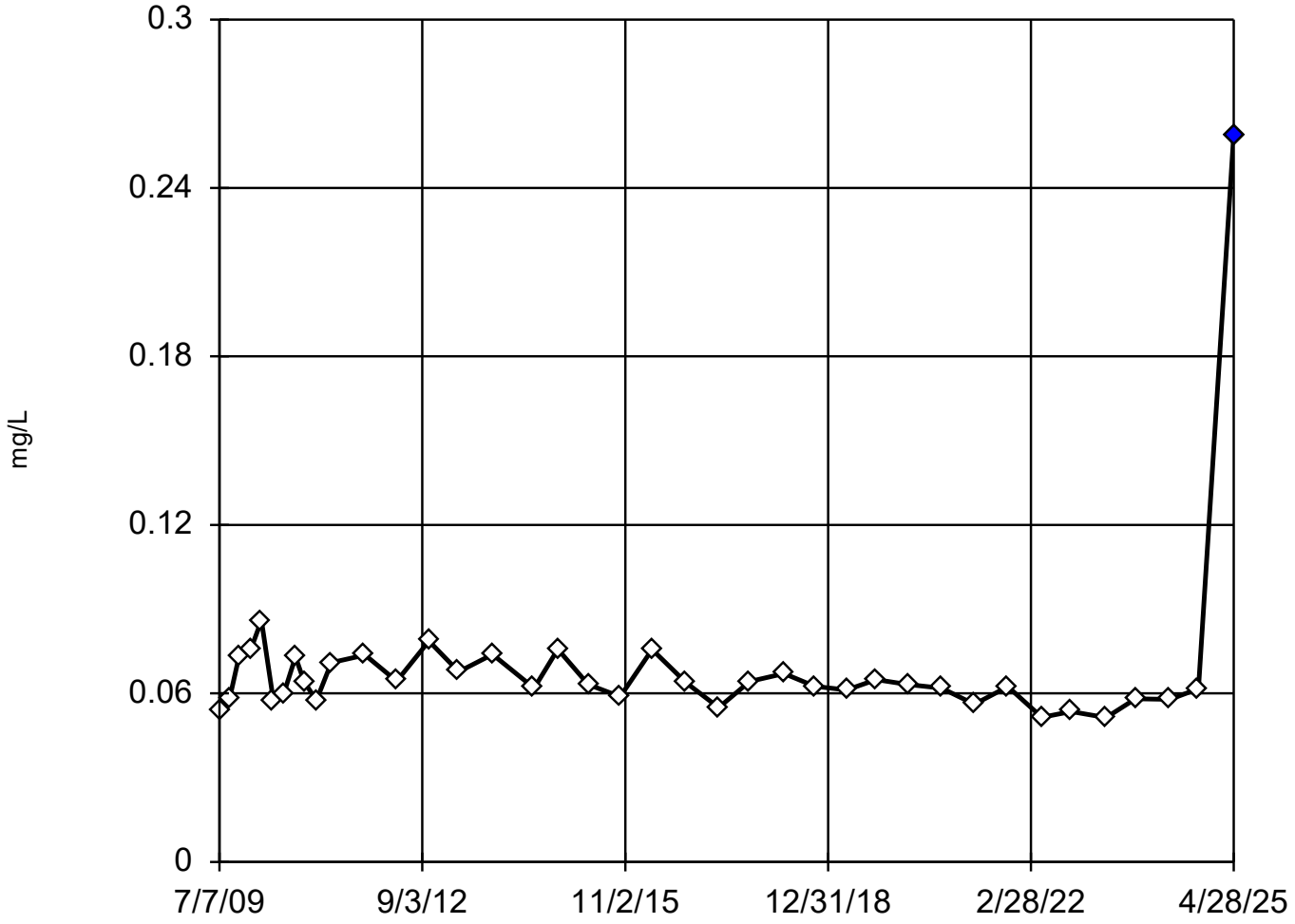
Rosner's Outlier Test

MW-207A



n = 39

Statistical outlier is drawn as solid.

k = 1
r = 5.89
Tabulated value = 2.974
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9494
Critical = 0.947
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Arsenic Analysis Run 7/13/2025 7:36 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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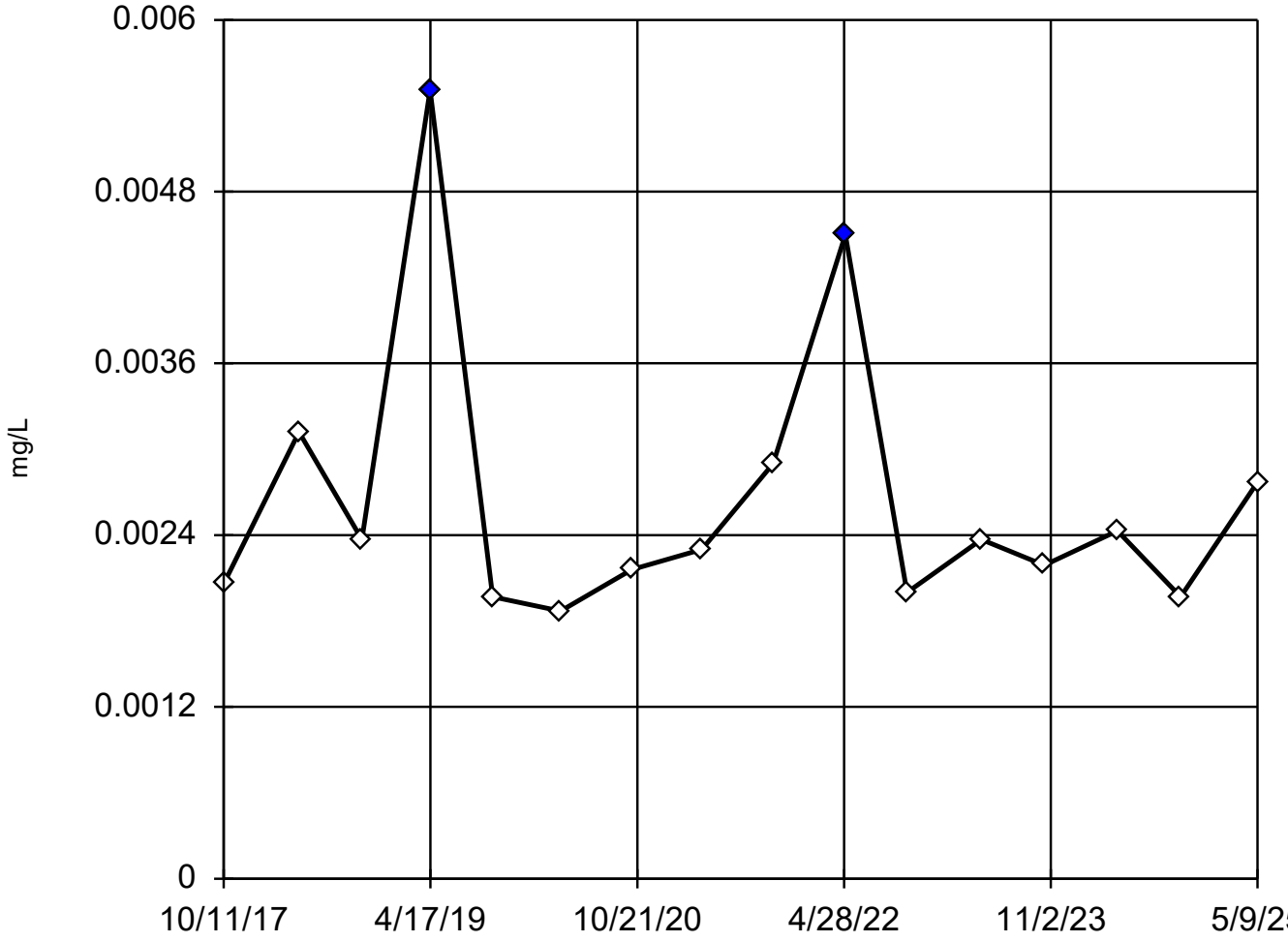
Dixon's Outlier Test

MW-7C



n = 16

Statistical outliers are drawn as solid.
2 values manually flagged as outliers.
Testing for 2 high outliers.
Mean = 0.002656.
Std. Dev. = 0.0009994.
0.0045 (o): c = 0.6324
tabl = 0.507.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9042
Critical = 0.895
The distribution, after removal of suspect values, was found to be normally distributed.

Constituent: Arsenic Analysis Run 7/13/2025 7:36 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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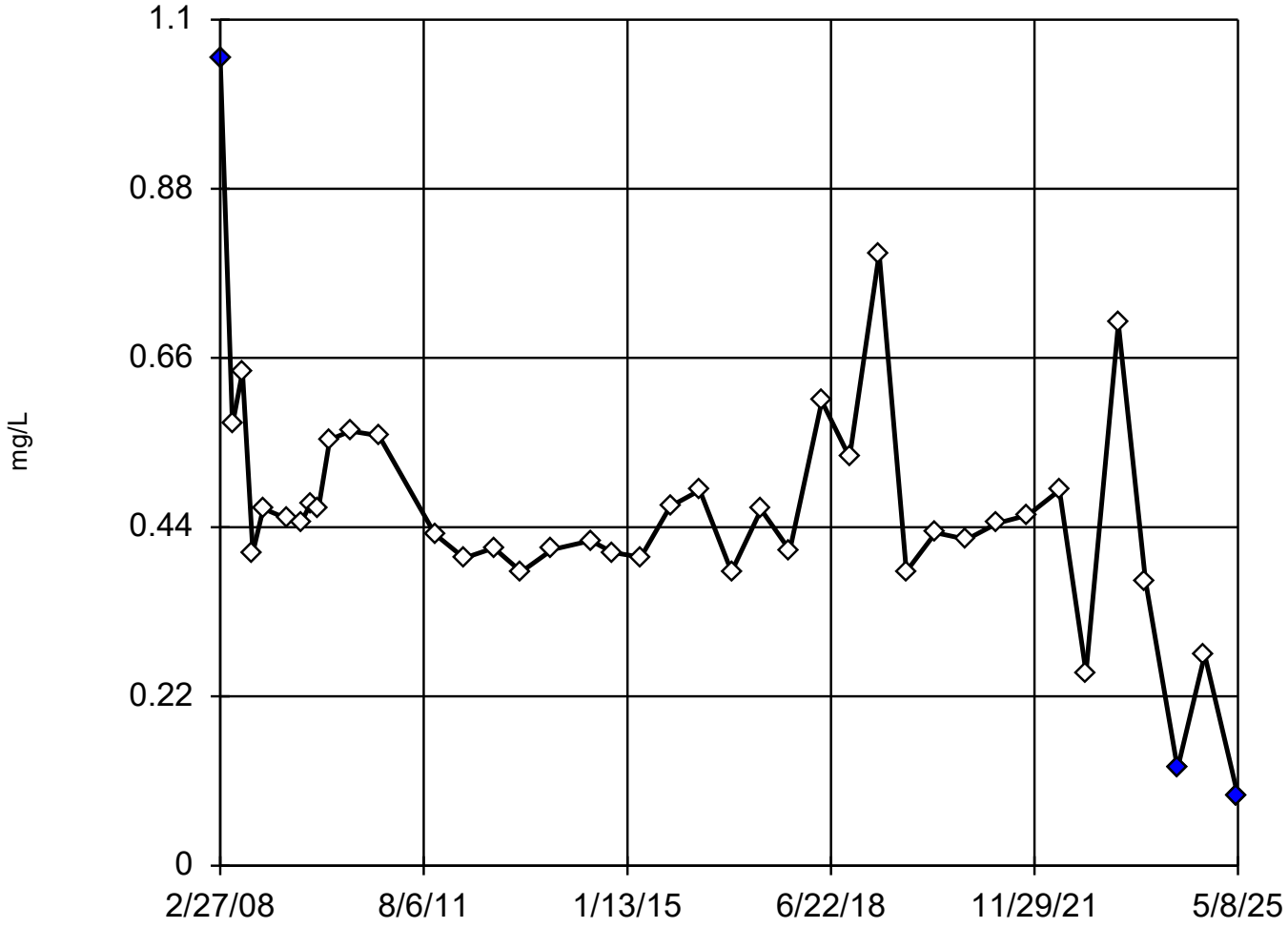
Tukey's Outlier Screening

MW-1A



n = 40

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.8982, low cutoff = 0.1612, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/13/2025 7:36 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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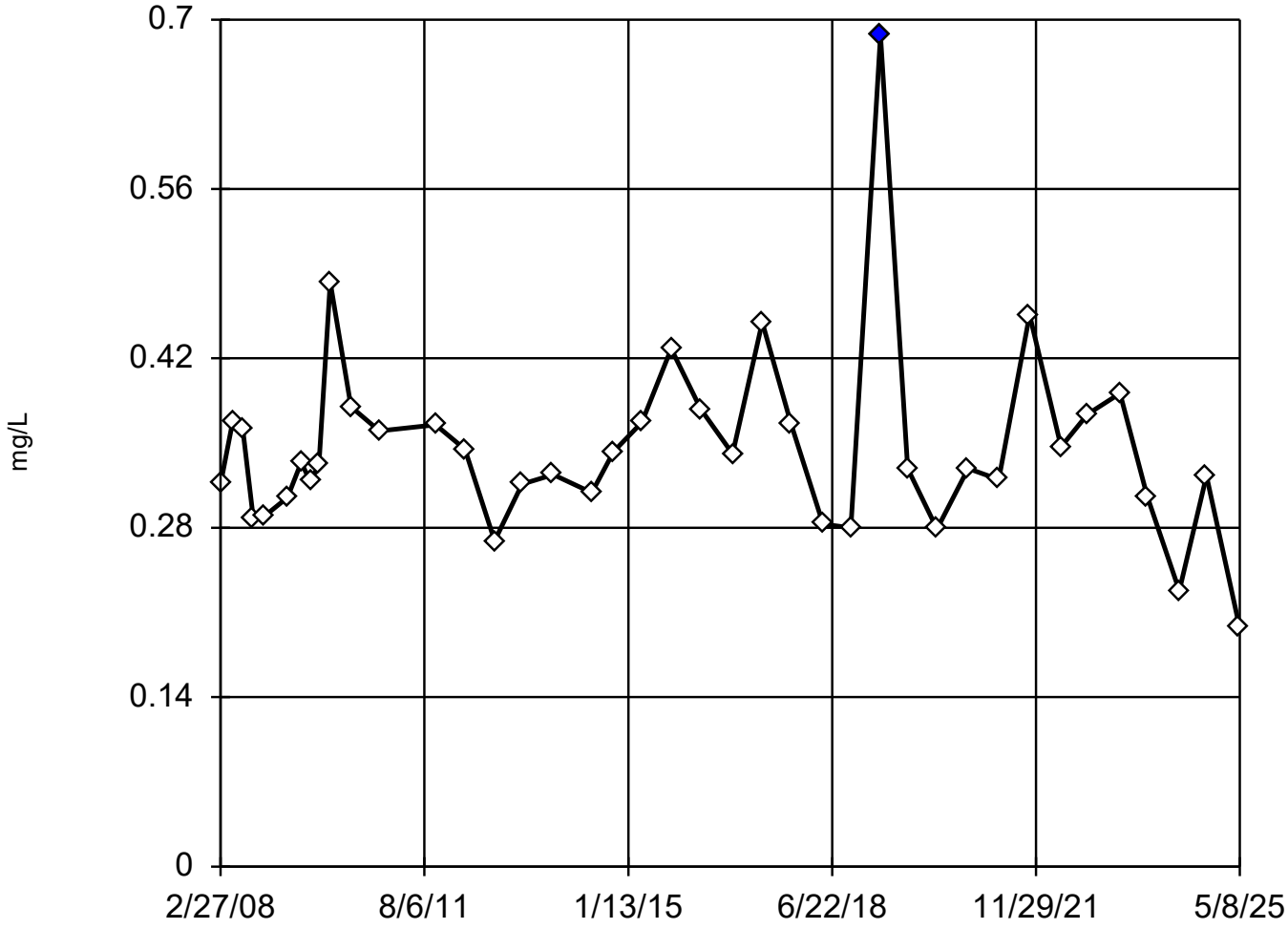
Rosner's Outlier Test

MW-2A-97



n = 40

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.

k = 2
r = 4.311
Tabulated value = 2.98
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9687
Critical = 0.948
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Barium Analysis Run 7/13/2025 7:36 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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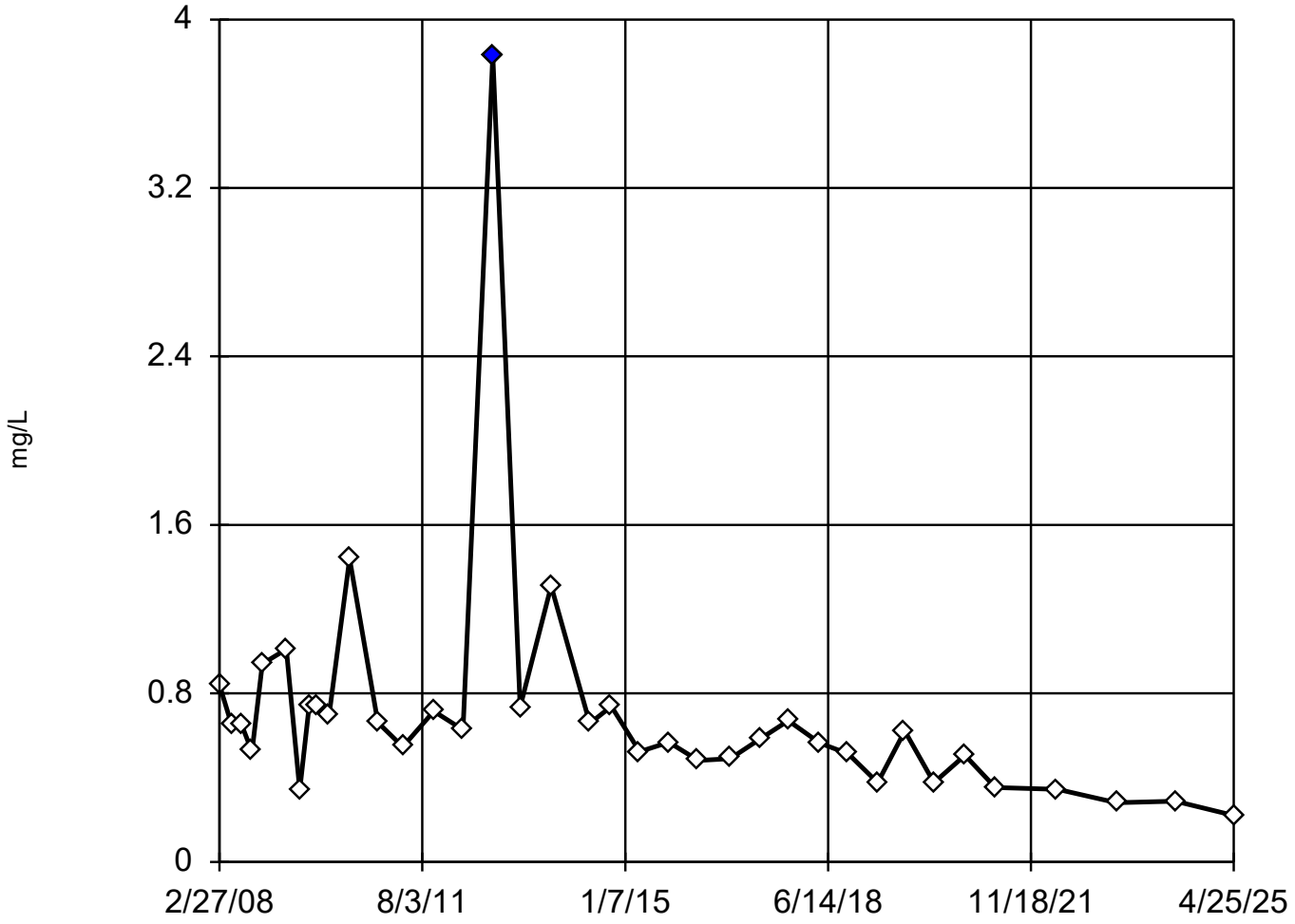
Rosner's Outlier Test

MW-8B



n = 37

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.

k = 1
r = 3.633
Tabulated value = 2.962
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9714
Critical = 0.945 (after natural log transformation)
The distribution, after removal of suspect value, was found to be log-normal.

Constituent: Barium Analysis Run 7/13/2025 7:37 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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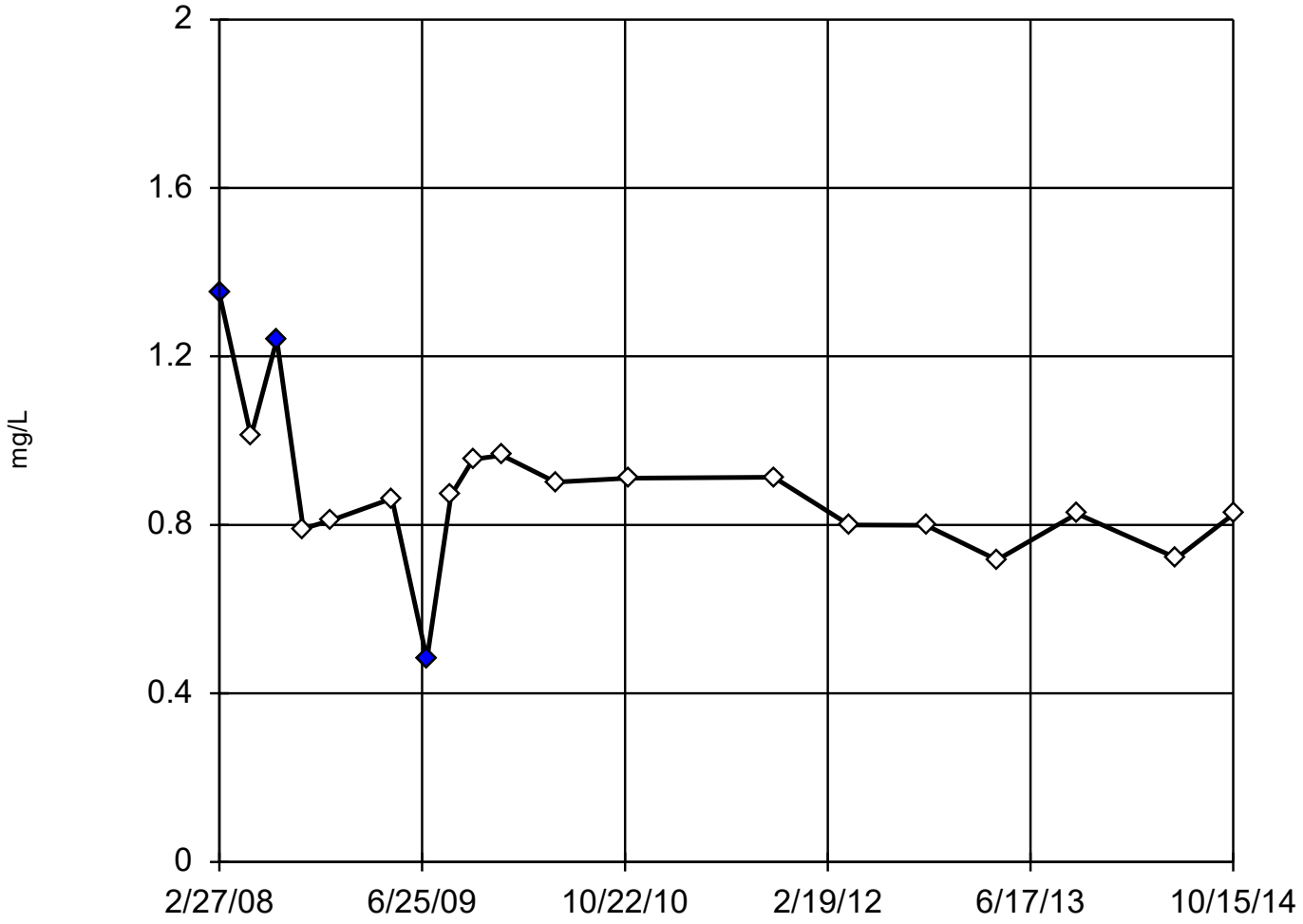
Dixon's Outlier Test

MW-15A



n = 19

Statistical outliers are drawn as solid.
Testing for 2 high and 1 low outliers.
Mean = 0.8816.
Std. Dev. = 0.1865.
1.24: c = 0.5299
tabl = 0.462.
0.481: c = 0.4959
tabl = 0.462.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9682
Critical = 0.906
The distribution, after removal of suspect values, was found to be normally distributed.

Constituent: Barium Analysis Run 7/13/2025 7:37 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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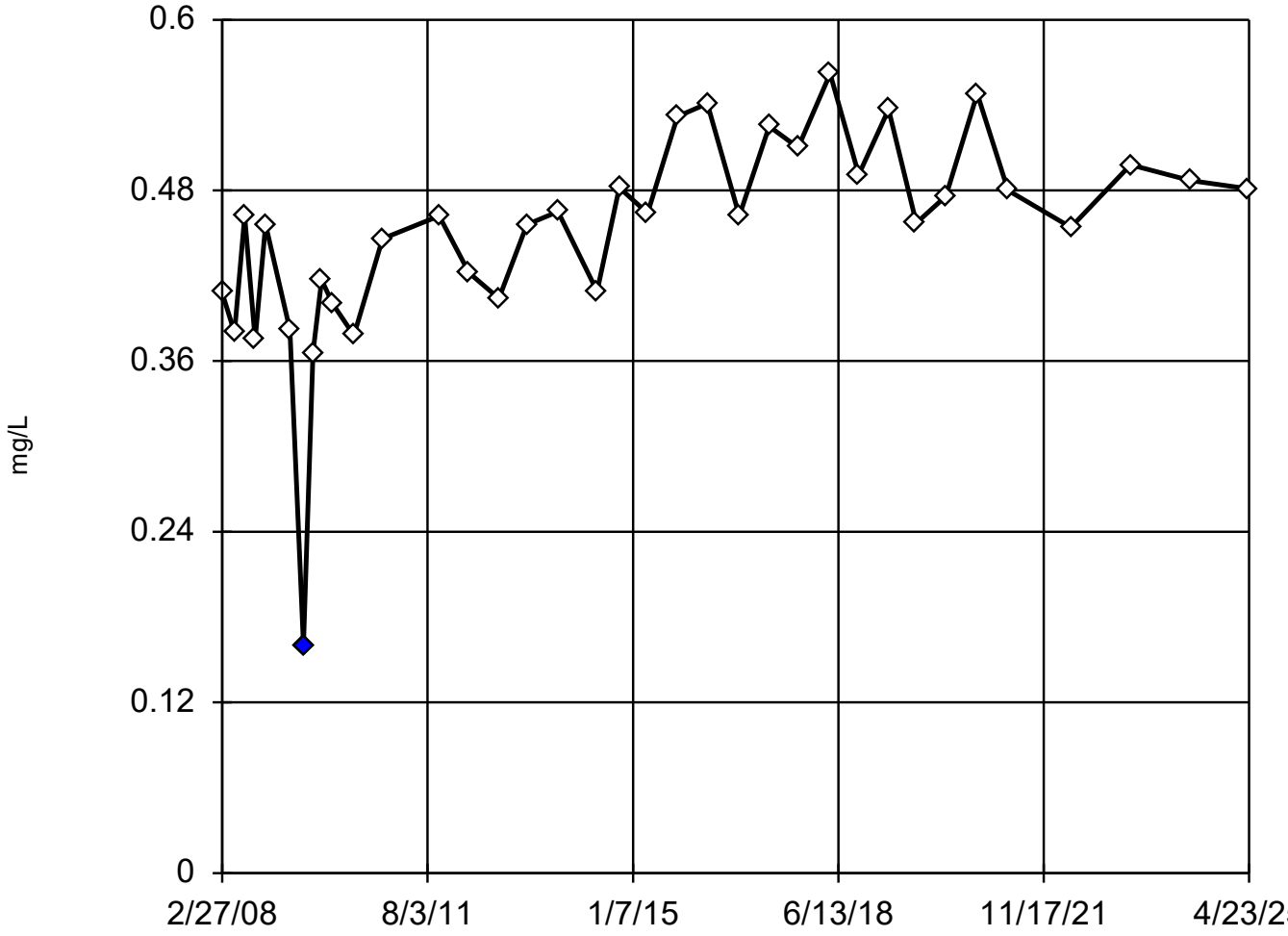
Rosner's Outlier Test

MW-17A-00



n = 36

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.

k = 1
r = 3.999
Tabulated value = 2.956
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.957
Critical = 0.944
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Barium Analysis Run 7/13/2025 7:37 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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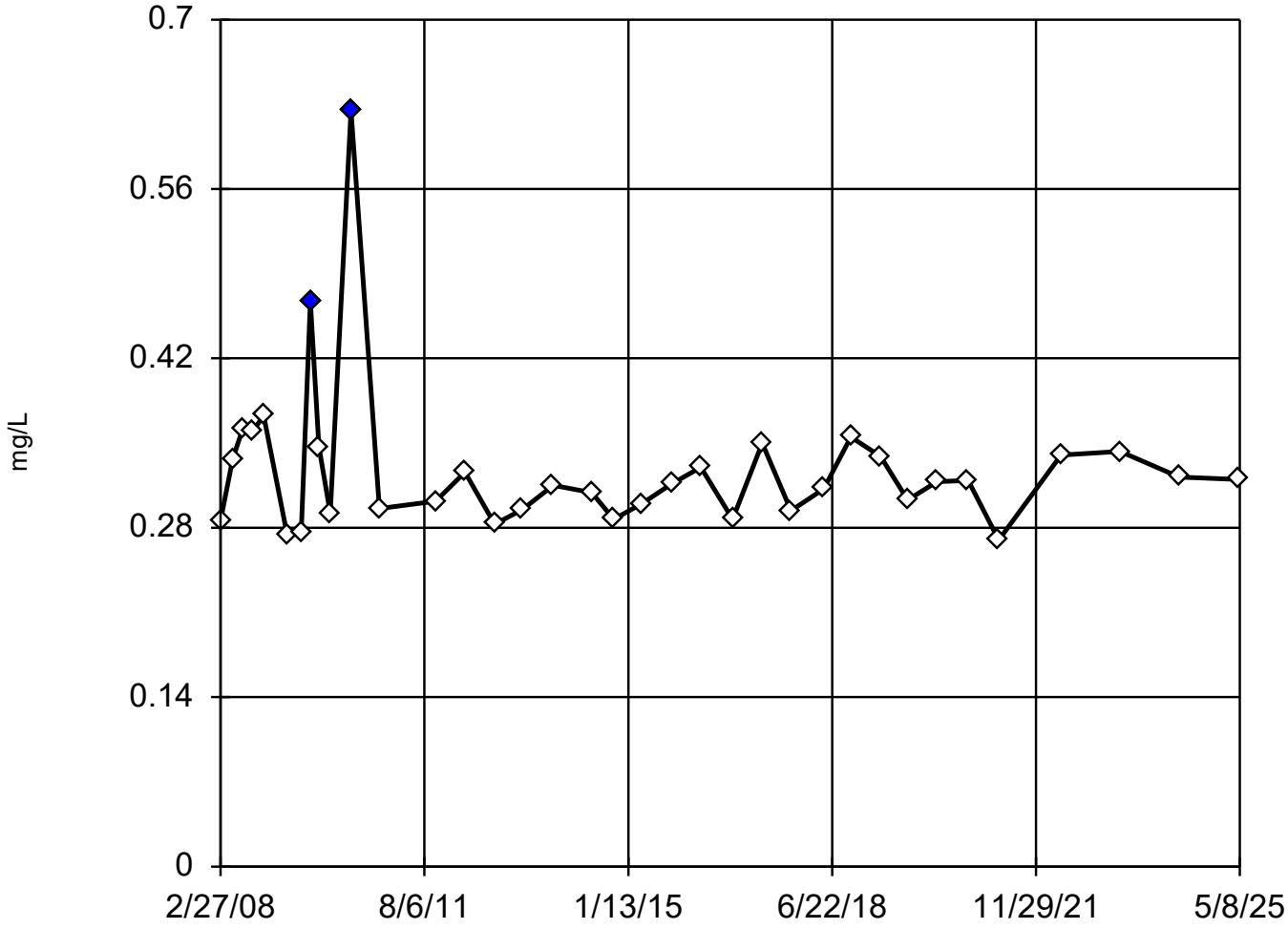
Rosner's Outlier Test

MW-23A



n = 36

Statistical outliers are drawn as solid.
2 values manually flagged as outliers.

k = 2
r = 3.925
Tabulated value = 3.452
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9657
Critical = 0.943
The distribution, after removal of suspect values, was found to be normally distributed.

Constituent: Barium Analysis Run 7/13/2025 7:37 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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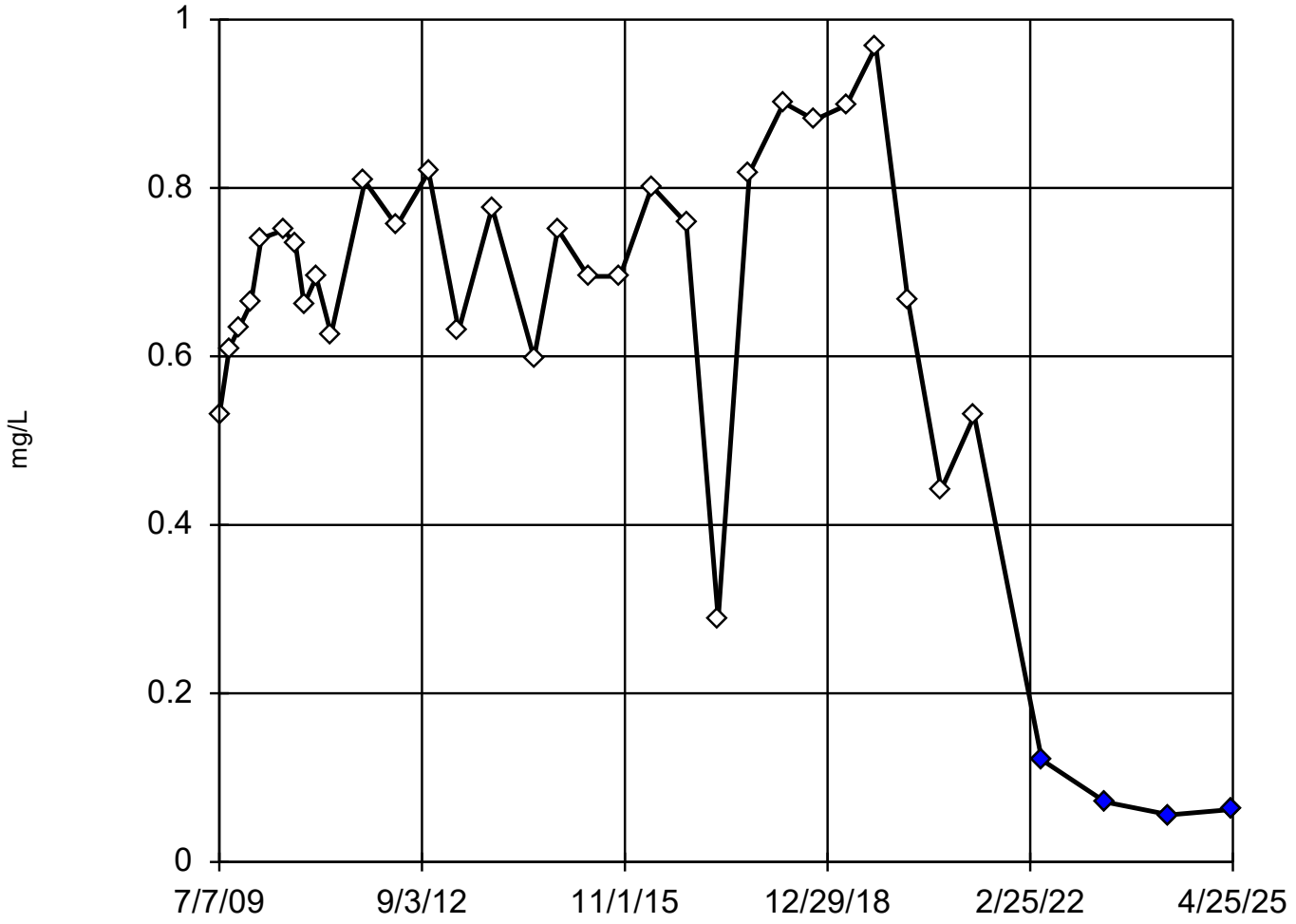
Rosner's Outlier Test

MW-208B



n = 34

Statistical outliers are drawn as solid.

k = 5
r = 3.233
Tabulated value = 3.07
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9629
Critical = 0.939
The distribution, after removal of suspect values, was found to be normally distributed.

Constituent: Barium Analysis Run 7/13/2025 7:37 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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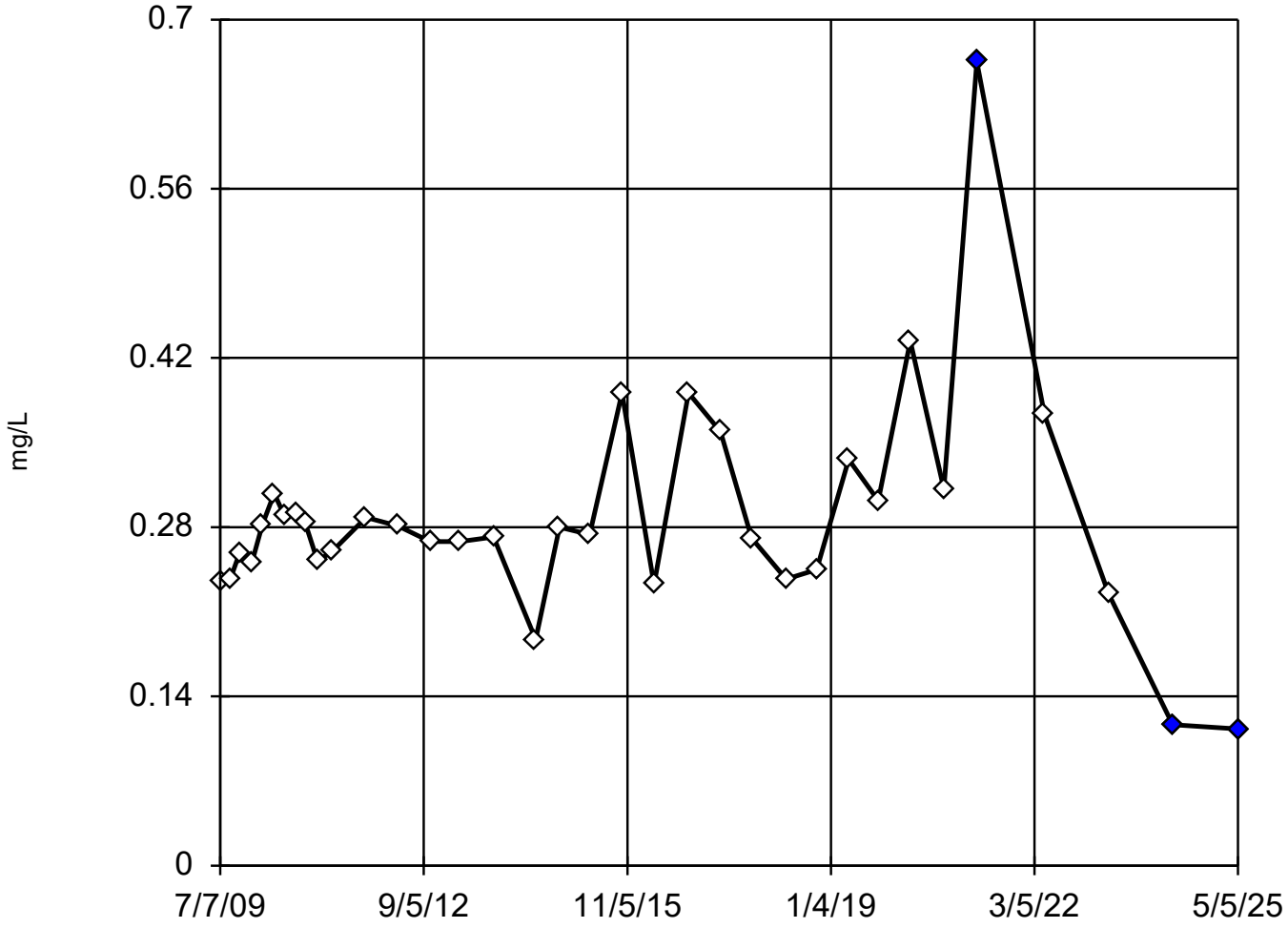
Rosner's Outlier Test

MW-210B



n = 35

Statistical outliers are drawn as solid.
1 value manually flagged as an outlier.

k = 3
r = 3.583
Tabulated value = 3.495
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9591
Critical = 0.941 (after natural log transformation)
The distribution, after removal of suspect values, was found to be log-normal.

Constituent: Barium Analysis Run 7/13/2025 7:37 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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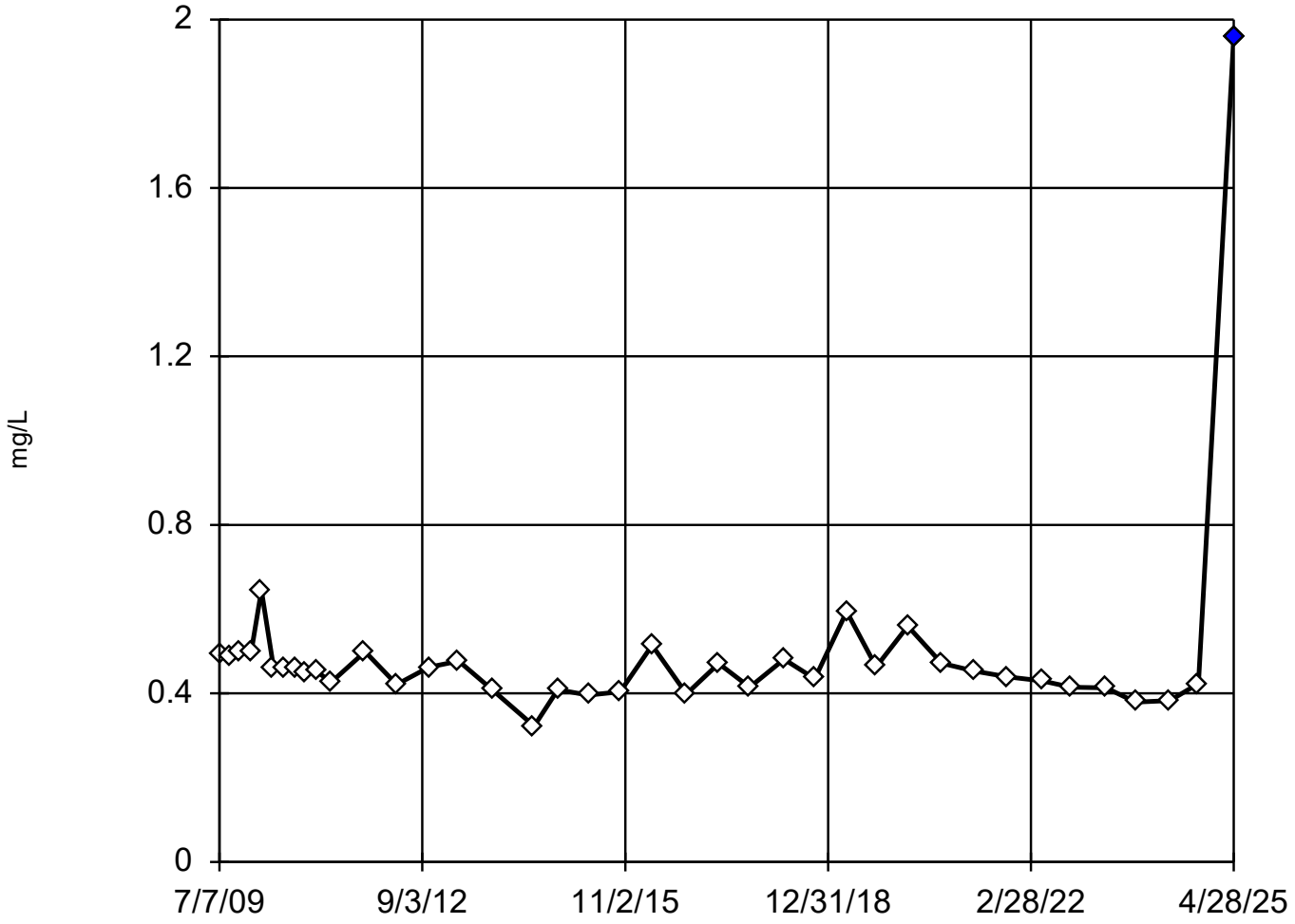
Rosner's Outlier Test

MW-207A



n = 39

Statistical outlier is drawn as solid.

k = 1
r = 5.369
Tabulated value = 2.974
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.969
Critical = 0.947 (after natural log transformation)
The distribution, after removal of suspect value, was found to be log-normal.

Constituent: Barium Analysis Run 7/13/2025 7:37 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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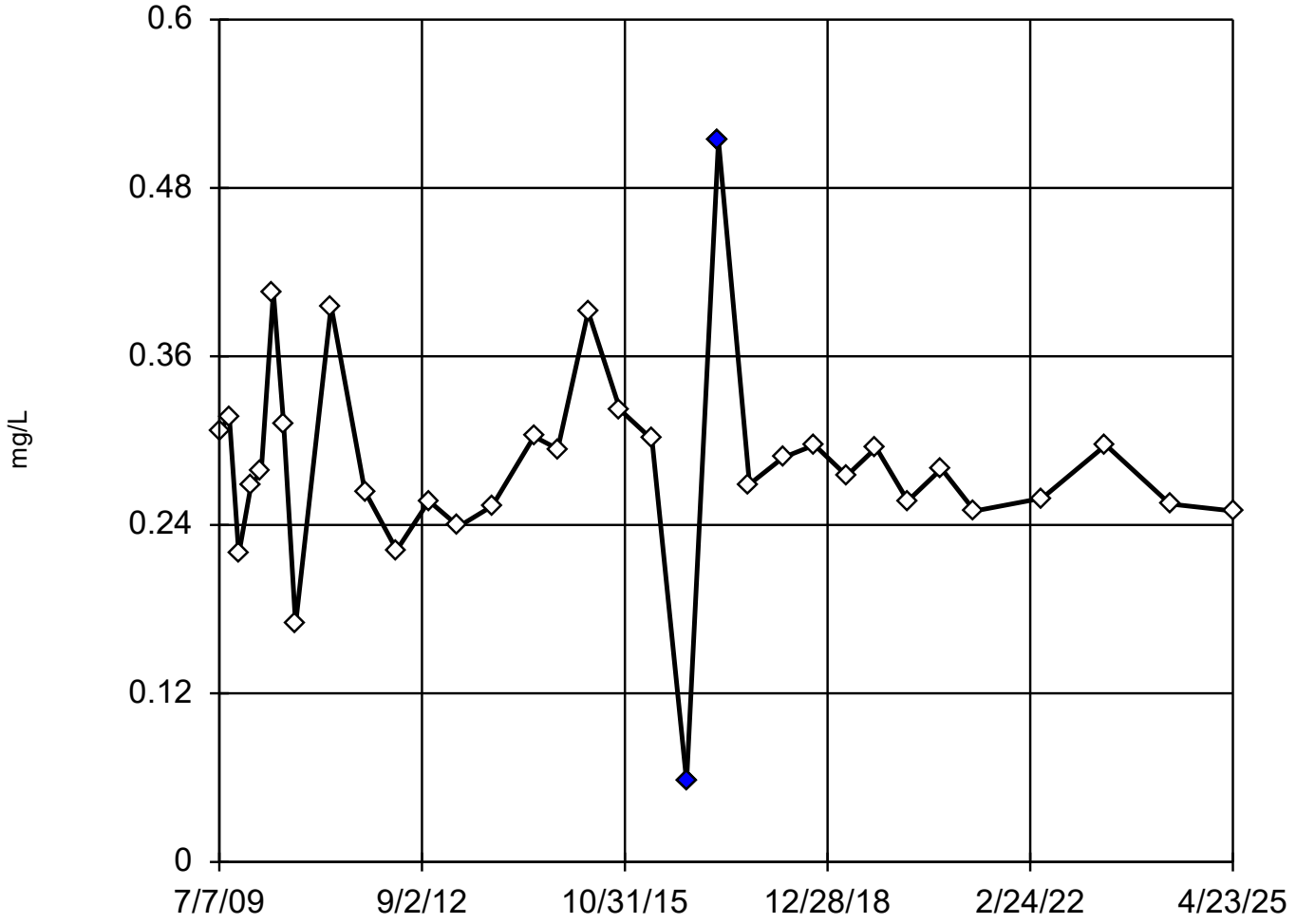
Tukey's Outlier Screening

MW-214A



n = 33

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.4573, low cutoff = 0.102, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/13/2025 7:37 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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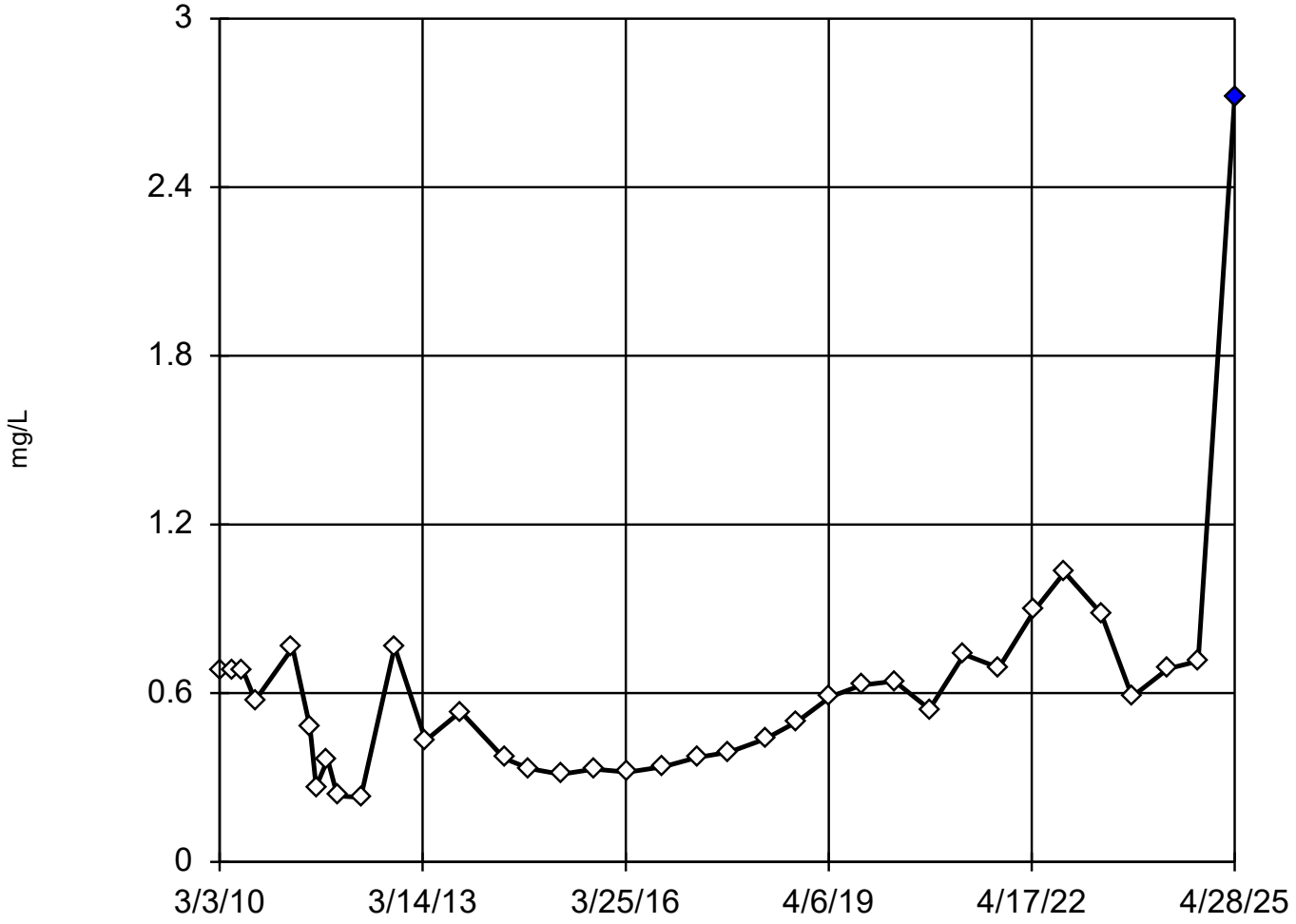
Rosner's Outlier Test

MW-211B



n = 36

Statistical outlier is drawn as solid.

k = 1
r = 5.103
Tabulated value = 2.956
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.956
Critical = 0.944
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Barium Analysis Run 7/13/2025 7:37 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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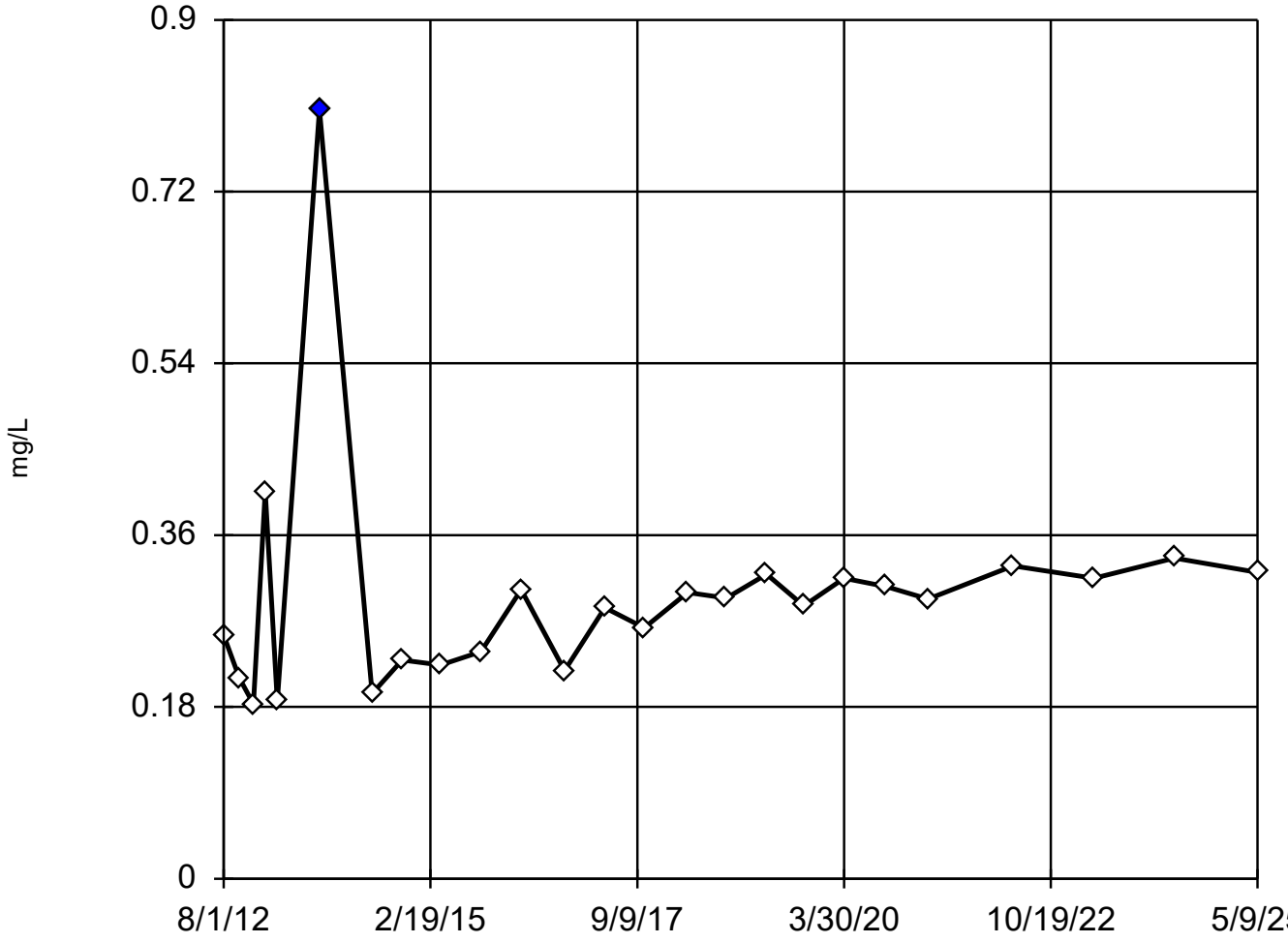
Rosner's Outlier Test

MW-38A (bg)



n = 25

Statistical outlier is drawn as solid.

k = 1
r = 4.27
Tabulated value = 2.84
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9506
Critical = 0.93
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Barium Analysis Run 7/13/2025 7:37 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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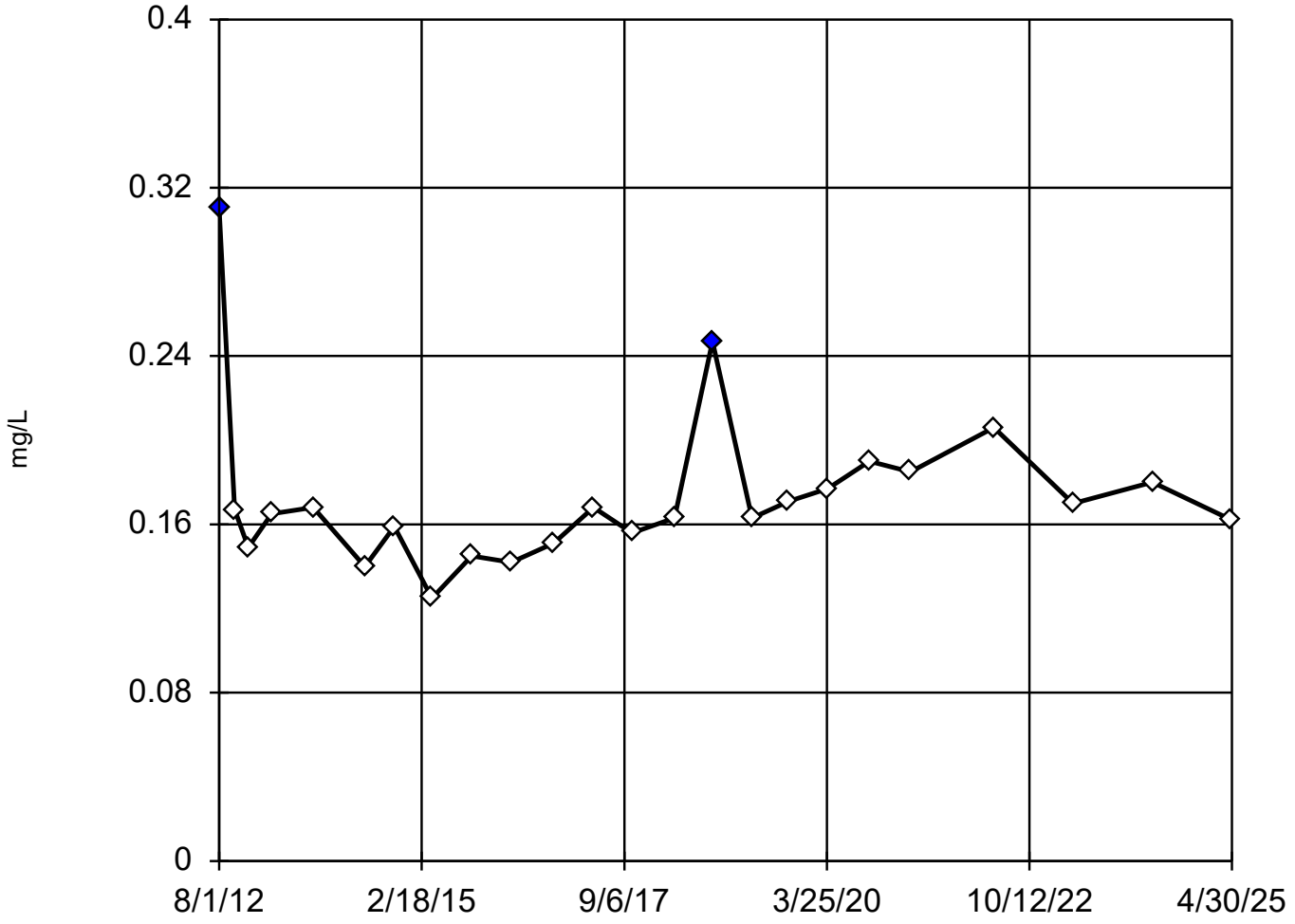
Rosner's Outlier Test

MW-39B (bg)



n = 24

Statistical outliers are drawn as solid.

k = 2
r = 3.216
Tabulated value = 3.194
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9856
Critical = 0.926
The distribution, after removal of suspect values, was found to be normally distributed.

Constituent: Barium Analysis Run 7/13/2025 7:37 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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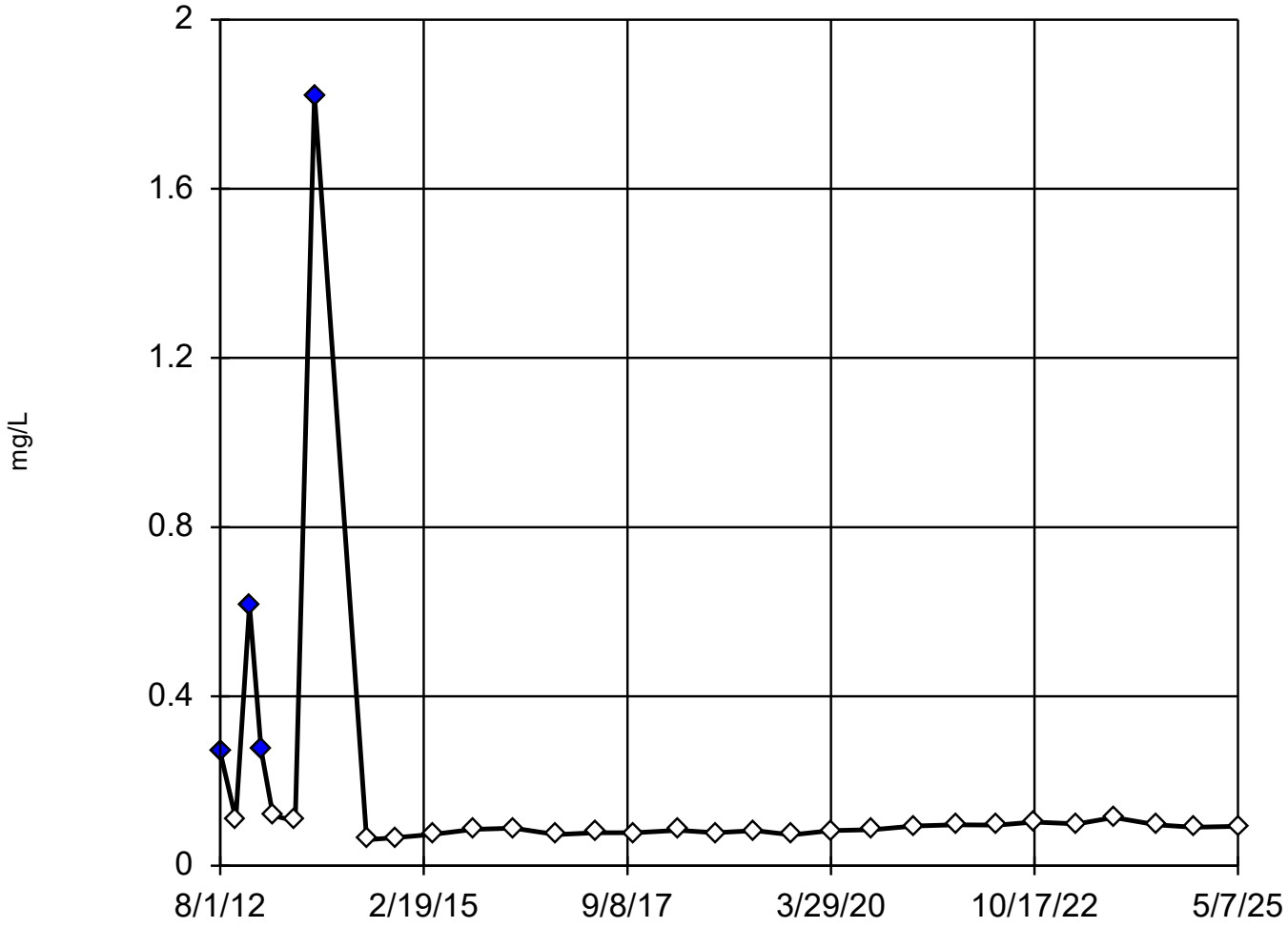
Rosner's Outlier Test

MW-217A



n = 30

Statistical outliers are drawn as solid.
2 values manually flagged as outliers.

k = 4
r = 4.629
Tabulated value = 3.48
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9838
Critical = 0.933
The distribution, after removal of suspect values, was found to be normally distributed.

Constituent: Barium Analysis Run 7/13/2025 7:37 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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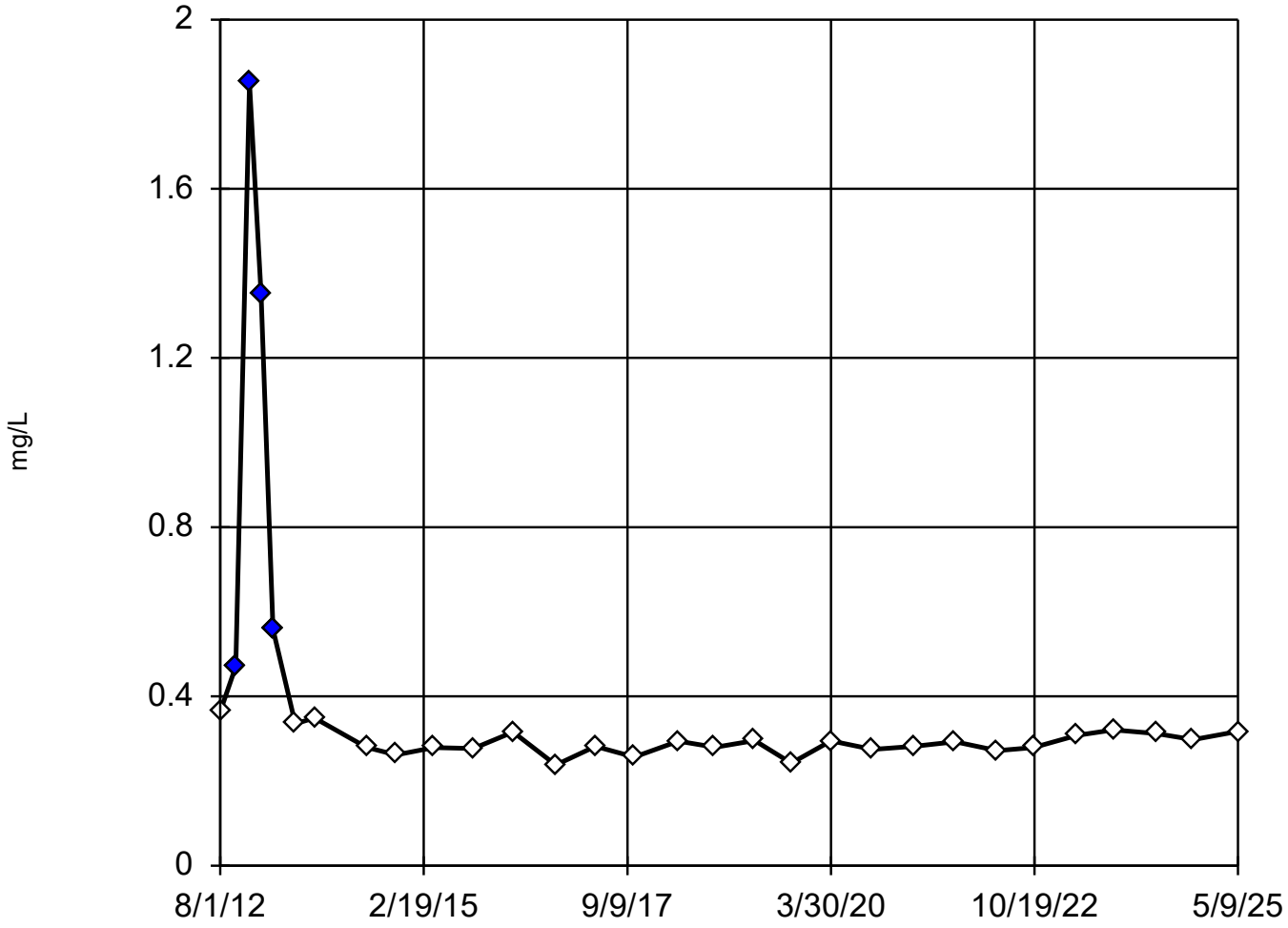
Rosner's Outlier Test

MW-220A



n = 30

Statistical outliers are drawn as solid.
2 values manually flagged as outliers.

k = 4
r = 3.806
Tabulated value = 3.48
Alpha = 0.01

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9666
Critical = 0.933
The distribution, after removal of suspect values, was found to be normally distributed.

Constituent: Barium Analysis Run 7/13/2025 7:37 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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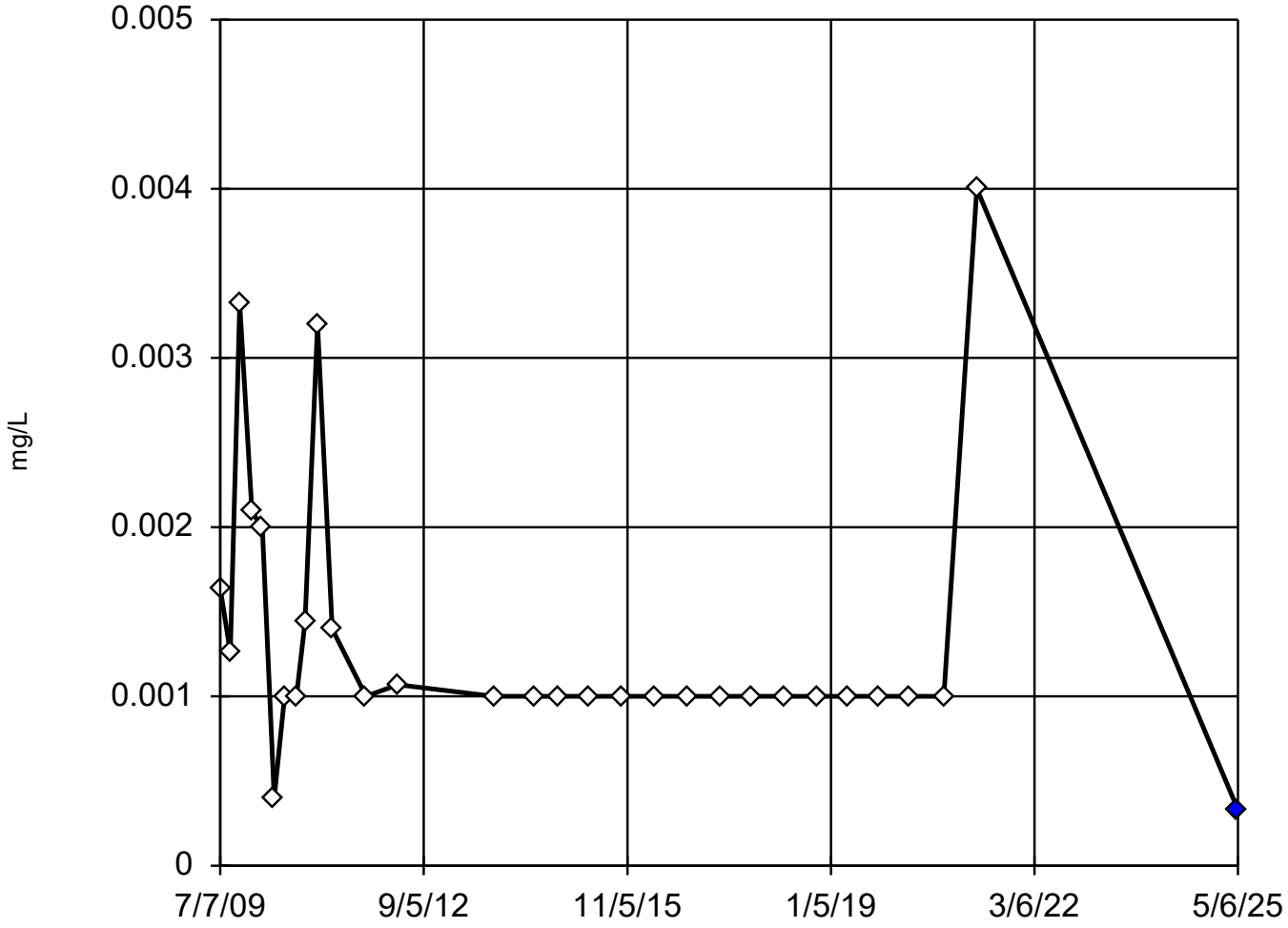
Tukey's Outlier Screening

MW-201A



n = 30

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.004064, low cutoff = 0.0003494, based on IQR multiplier of 3.

Constituent: Beryllium Analysis Run 7/13/2025 7:37 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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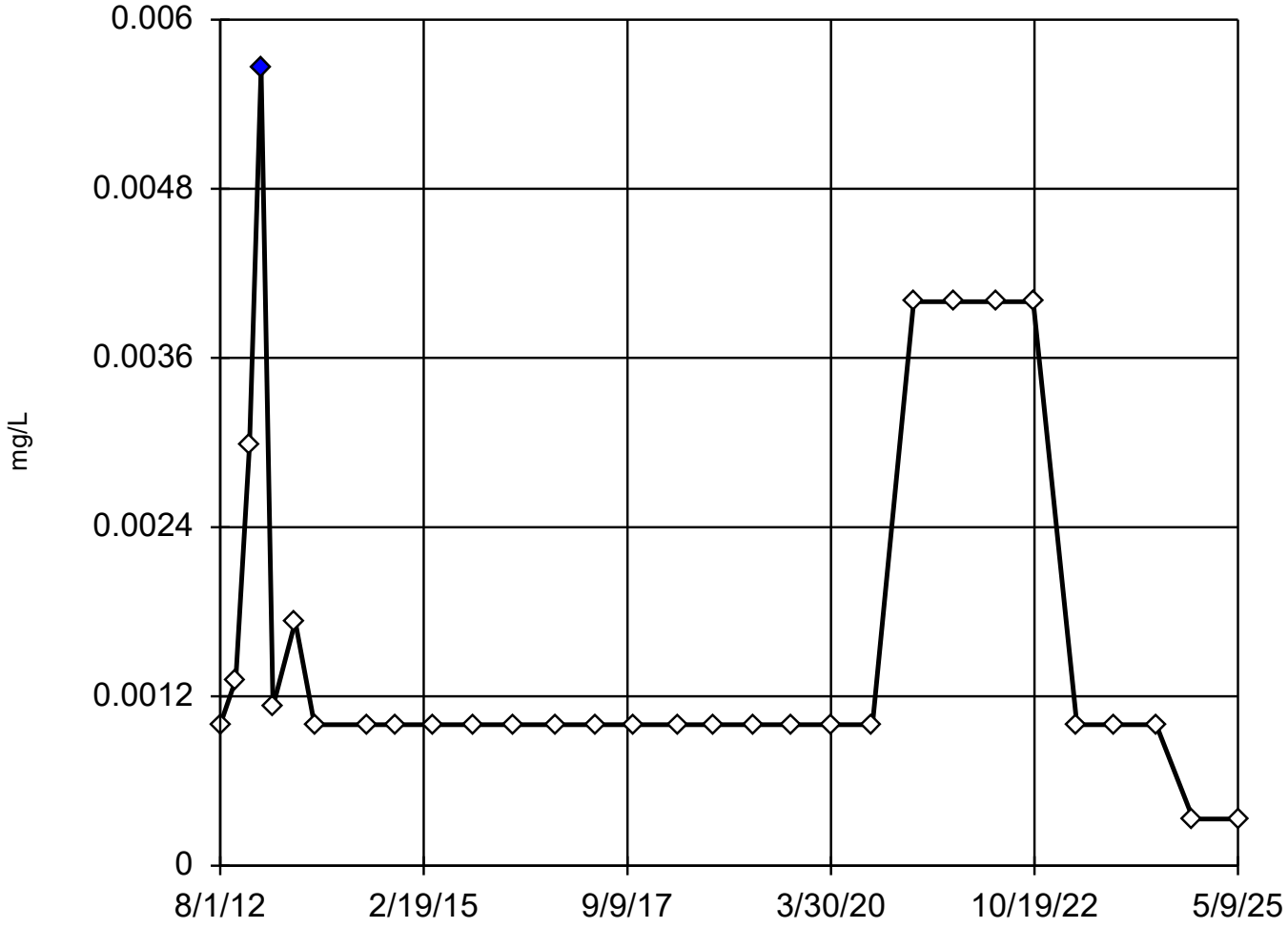
Tukey's Outlier Screening

MW-220A



n = 30

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.005215, low cutoff = 0.0002898, based on IQR multiplier of 3.

Constituent: Beryllium Analysis Run 7/13/2025 7:38 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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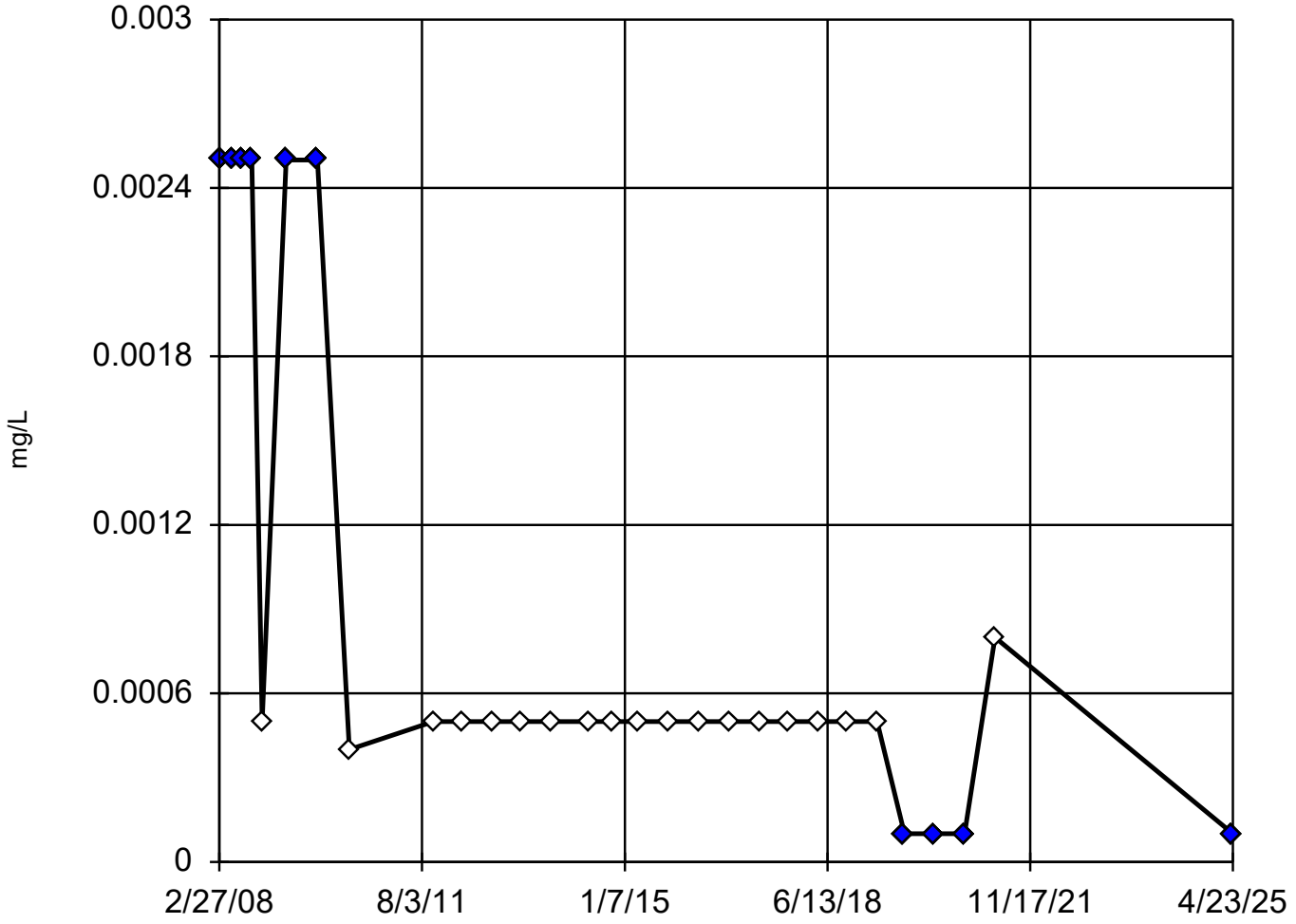
Tukey's Outlier Screening

MW-17A-00



n = 29

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.00128, low cutoff = 0.0002471, based on IQR multiplier of 3.

Constituent: Cadmium Analysis Run 7/13/2025 7:38 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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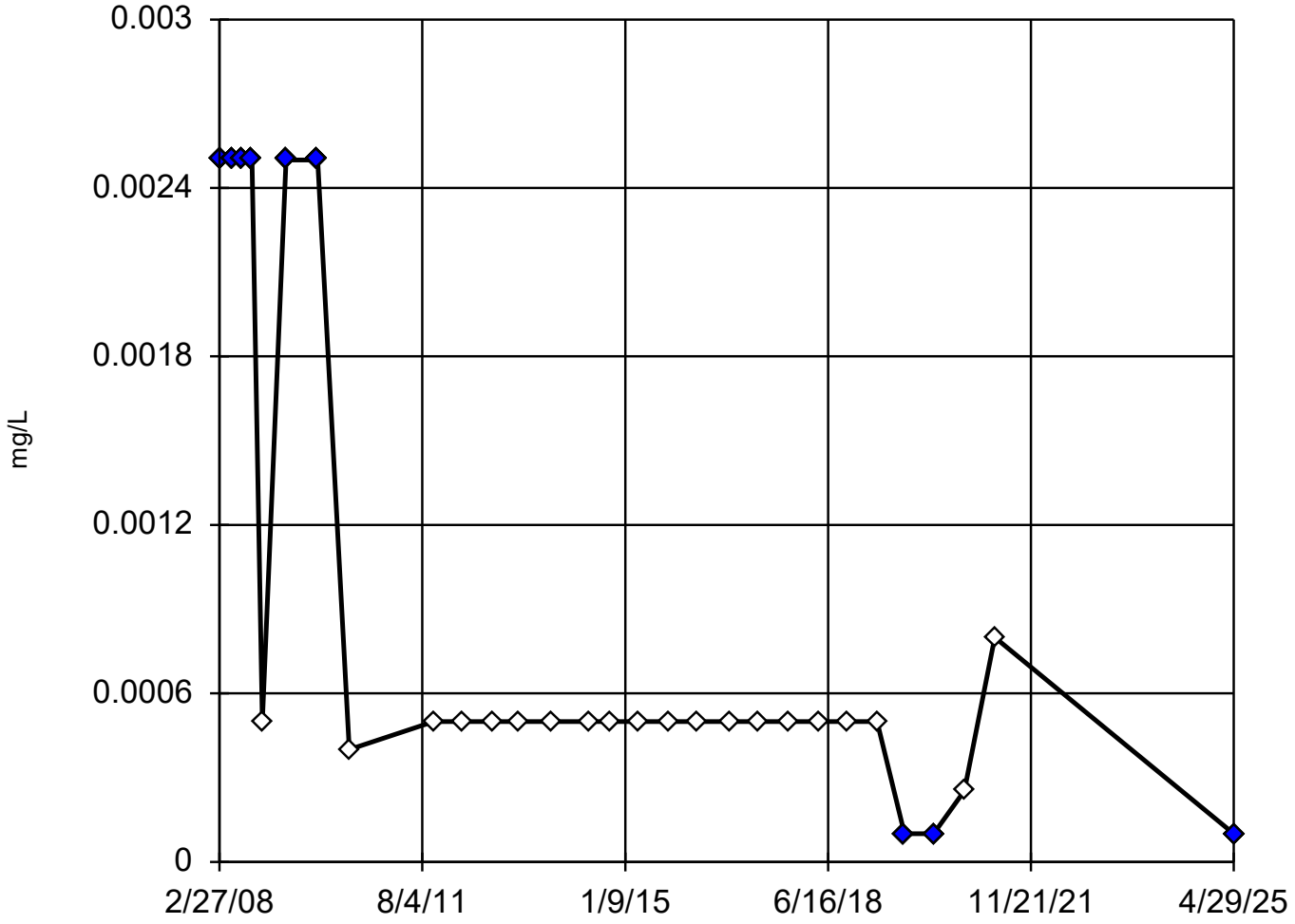
Tukey's Outlier Screening

MW-18A-07



n = 29

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.00128, low cutoff = 0.0002471, based on IQR multiplier of 3.

Constituent: Cadmium Analysis Run 7/13/2025 7:38 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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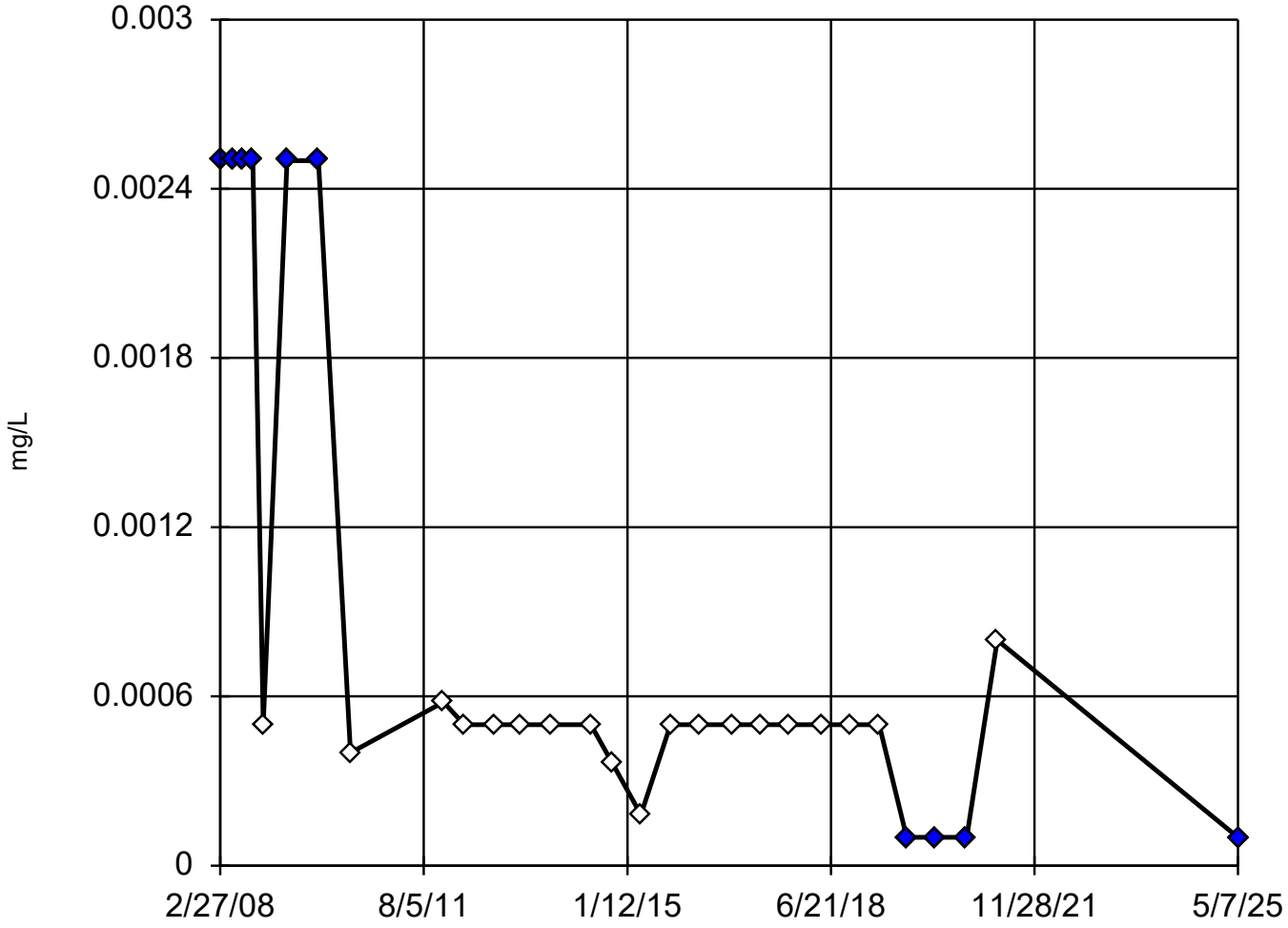
Tukey's Outlier Screening

MW-24A



n = 29

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.002407, low cutoff = 0.0001266, based on IQR multiplier of 3.

Constituent: Cadmium Analysis Run 7/13/2025 7:38 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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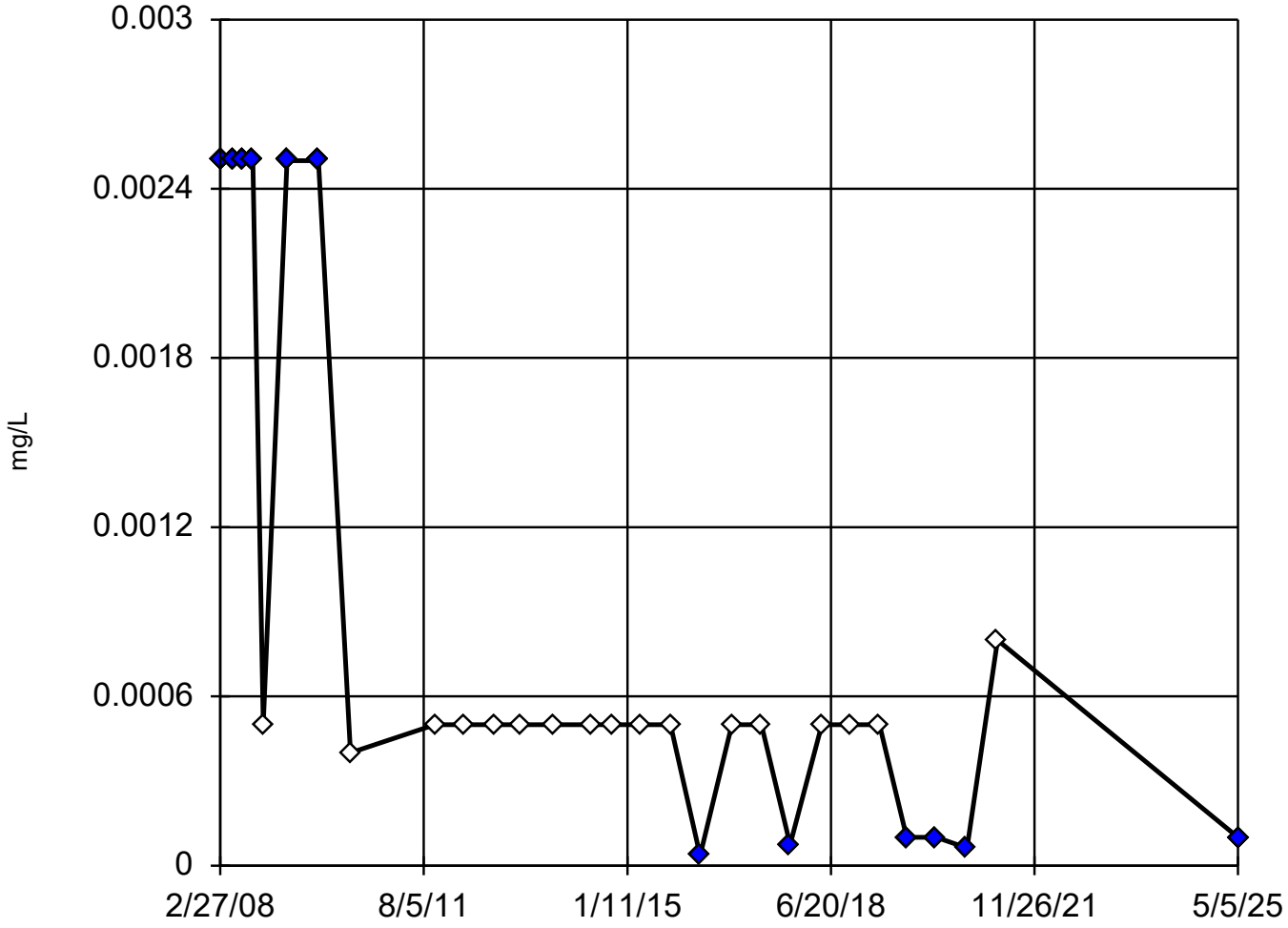
Tukey's Outlier Screening

MW-29A



n = 29

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.001789, low cutoff = 0.0001581, based on IQR multiplier of 3.

Constituent: Cadmium Analysis Run 7/13/2025 7:38 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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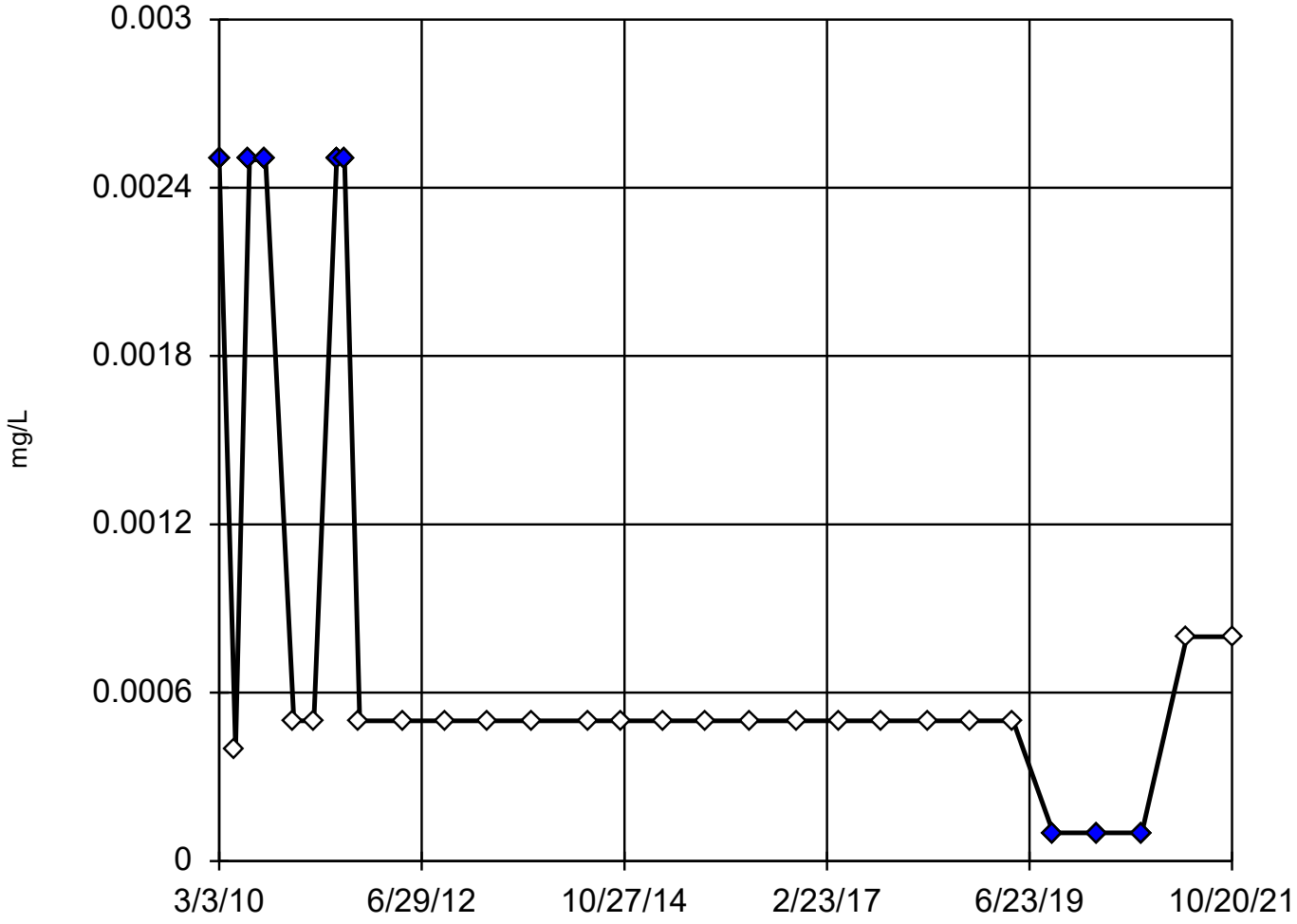
Tukey's Outlier Screening

MW-200A



n = 29

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.00128, low cutoff = 0.0002471, based on IQR multiplier of 3.

Constituent: Cadmium Analysis Run 7/13/2025 7:38 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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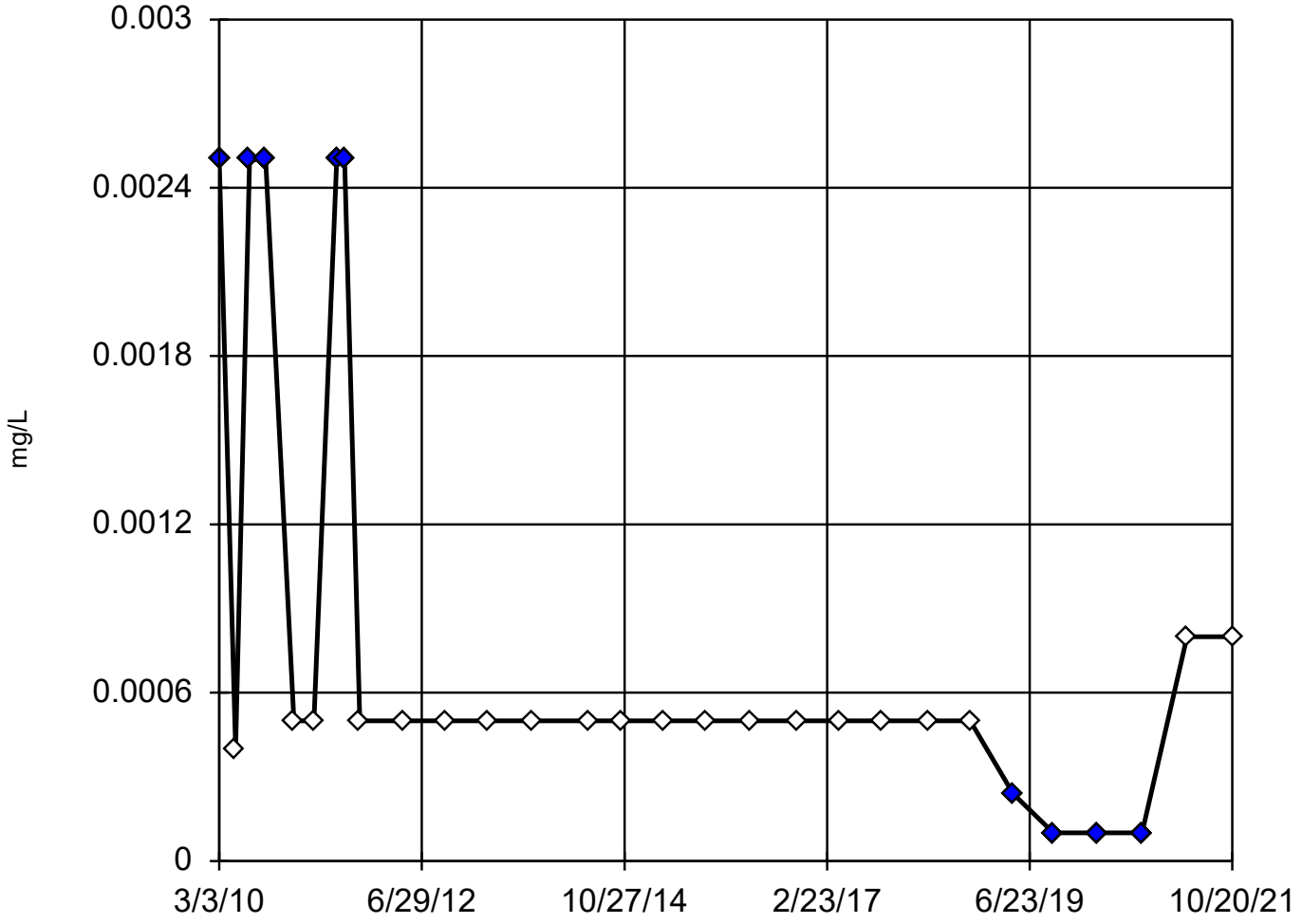
Tukey's Outlier Screening

MW-205A



n = 29

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.00128, low cutoff = 0.0002471, based on IQR multiplier of 3.

Constituent: Cadmium Analysis Run 7/13/2025 7:38 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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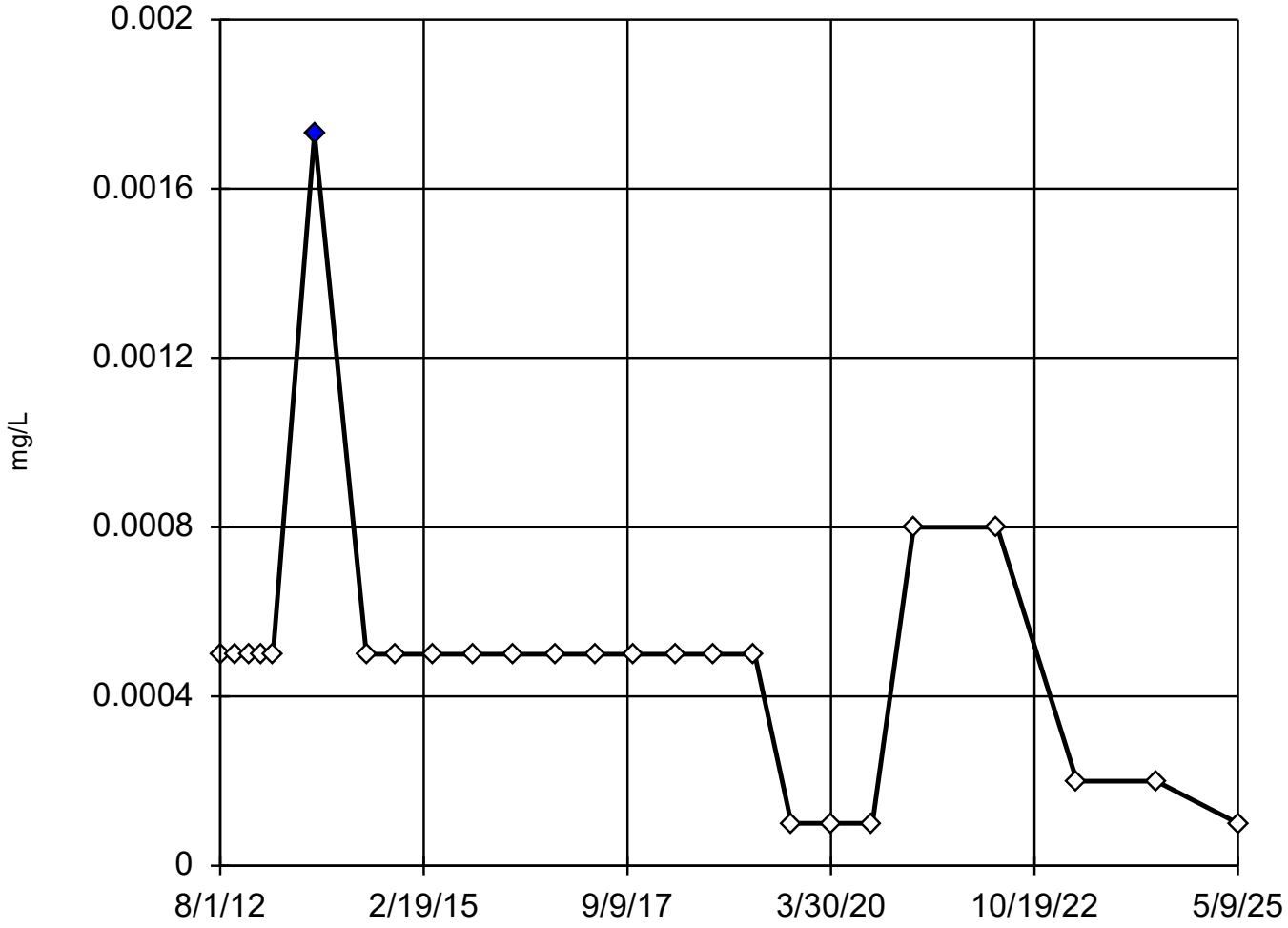
Tukey's Outlier Screening

MW-38A (bg)



n = 25

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.001357, low cutoff = 0.00005312, based on IQR multiplier of 3.

Constituent: Cadmium Analysis Run 7/13/2025 7:38 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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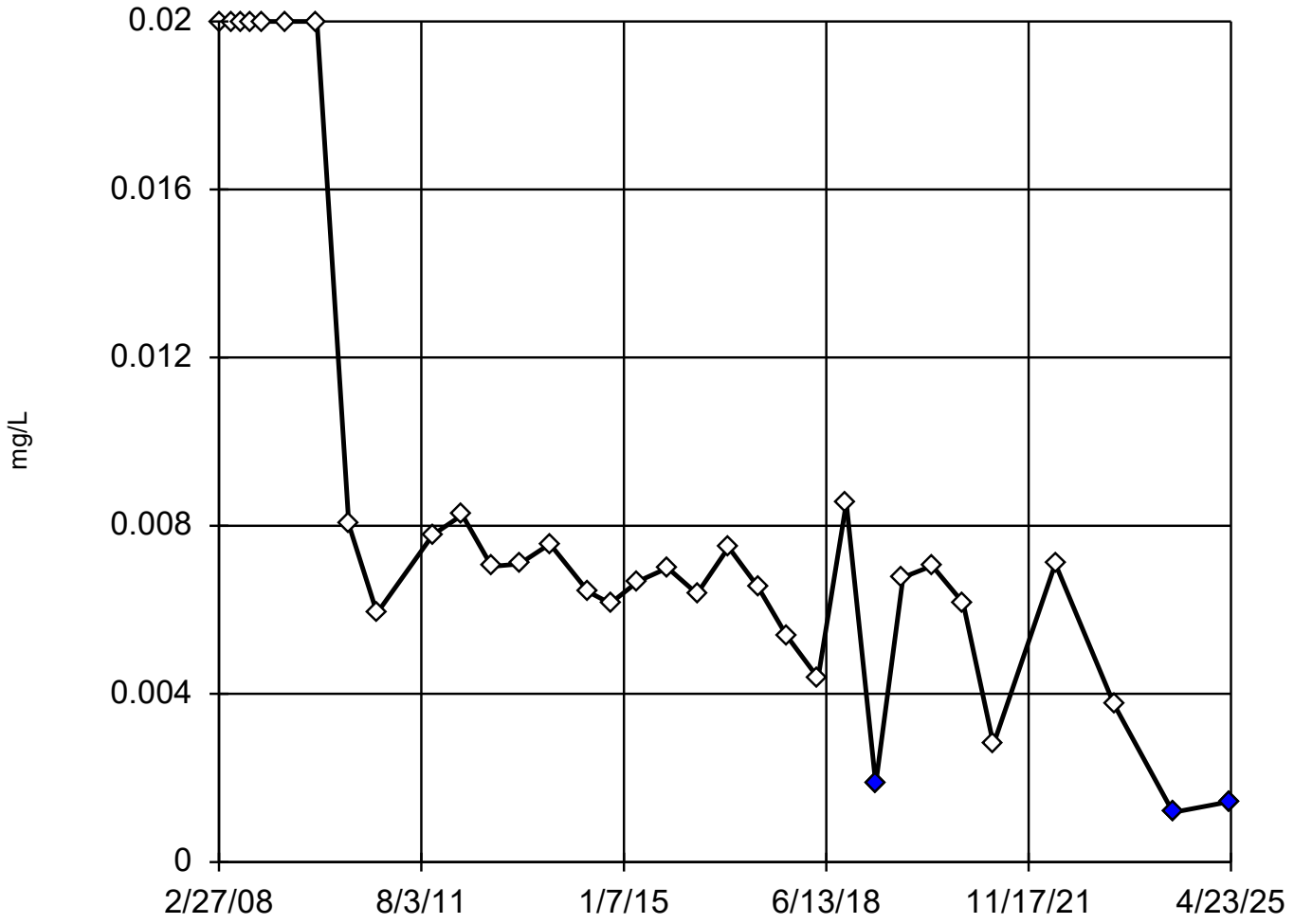
Tukey's Outlier Screening

MW-14B



n = 33

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.0227, low cutoff = 0.002233, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 7/13/2025 7:39 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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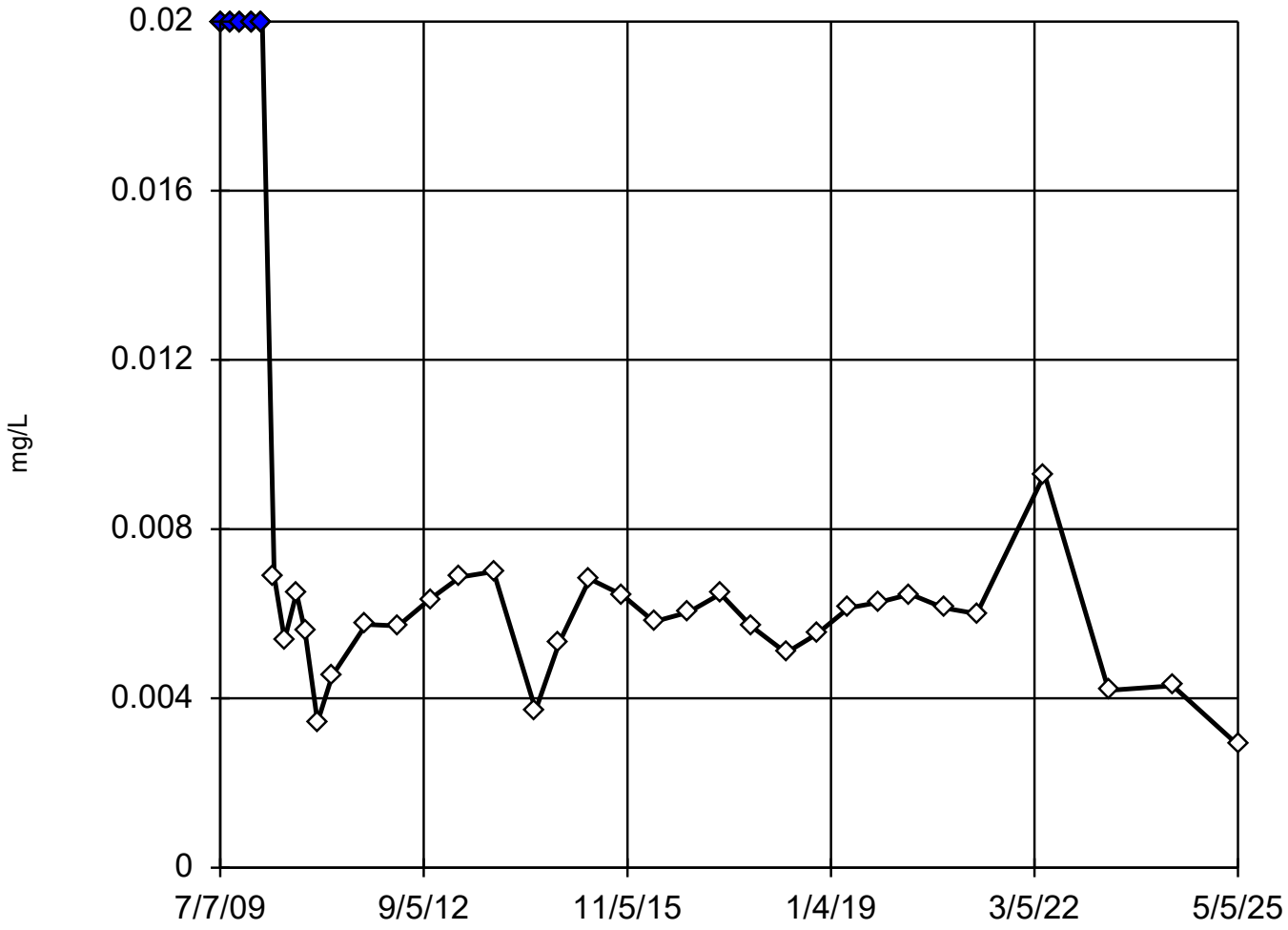
Tukey's Outlier Screening

MW-210B



n = 35

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01423, low cutoff = 0.002603, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 7/13/2025 7:40 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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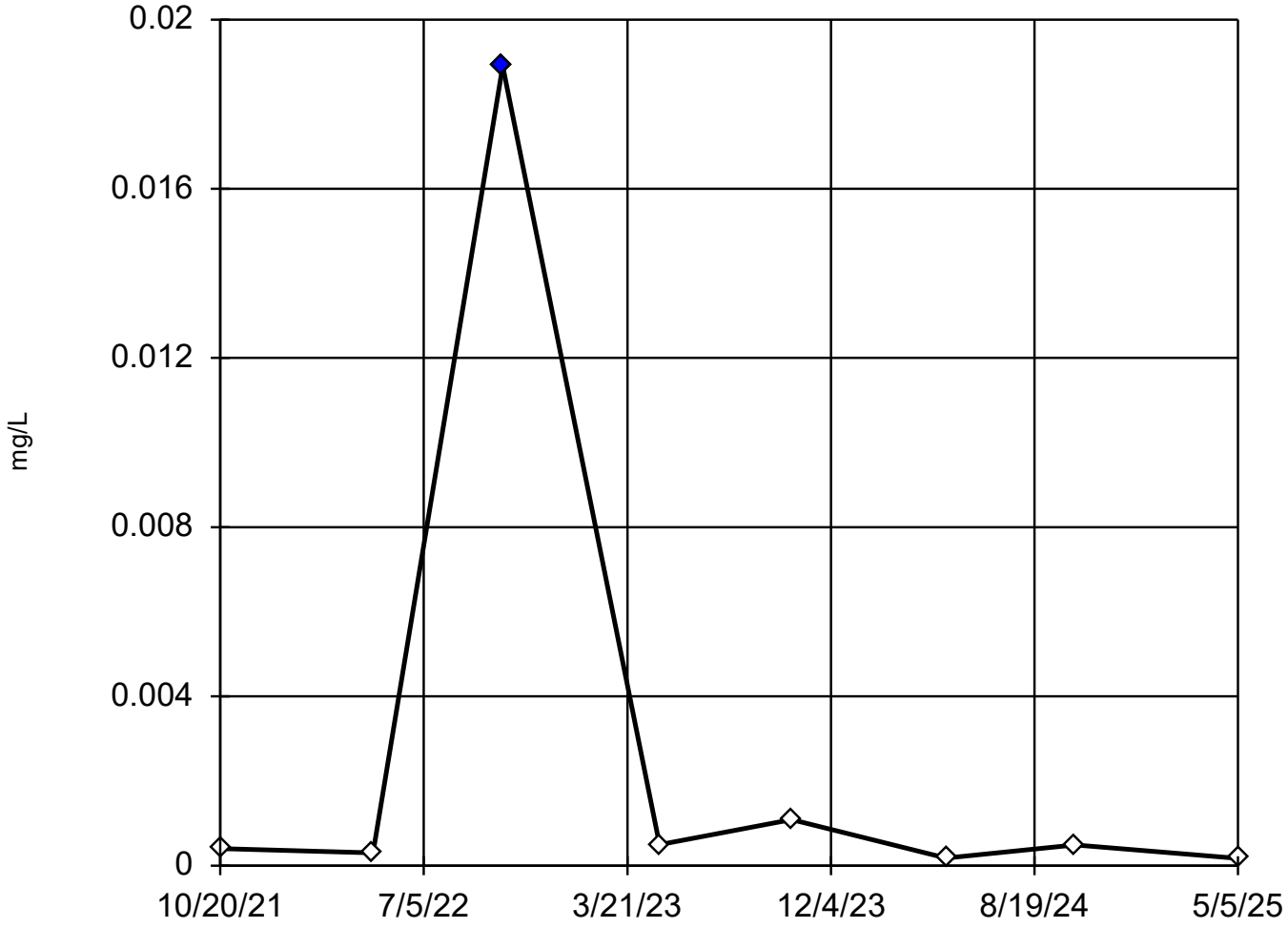
Dixon's Outlier Test

MW-408



n = 8

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 0.002754.
Std. Dev. = 0.006531.
0.0189 (o): c = 0.6123
tabl = 0.554.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9394
Critical = 0.838 (after natural log transformation)
The distribution, after removal of suspect value, was found to be log-normal.

Constituent: Cobalt Analysis Run 7/13/2025 7:40 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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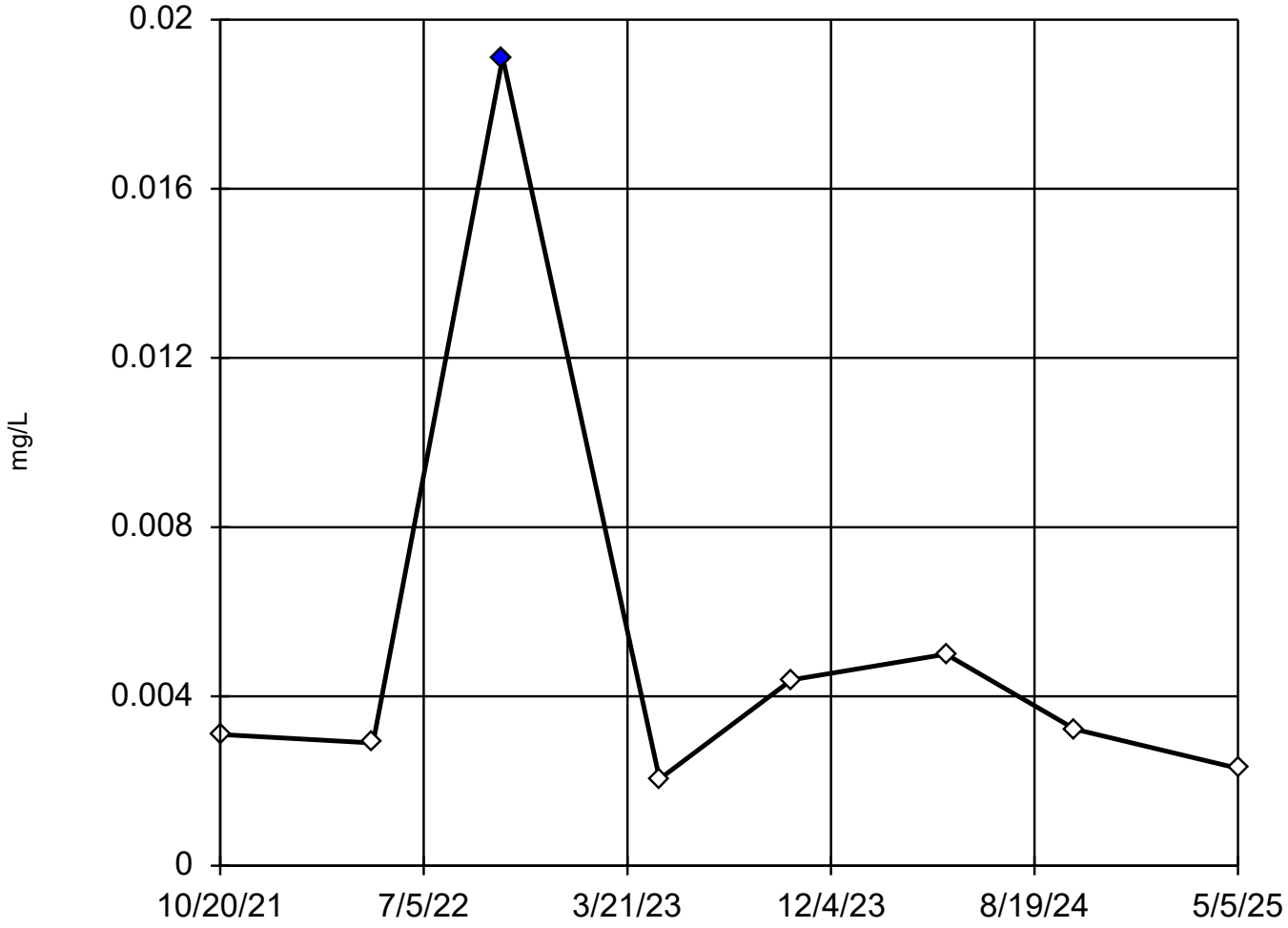
Dixon's Outlier Test

MW-408



n = 8

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 0.005257.
Std. Dev. = 0.00568.
0.0191 (o): c = 0.8393
tabl = 0.554.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9257
Critical = 0.838
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Nickel Analysis Run 7/13/2025 7:43 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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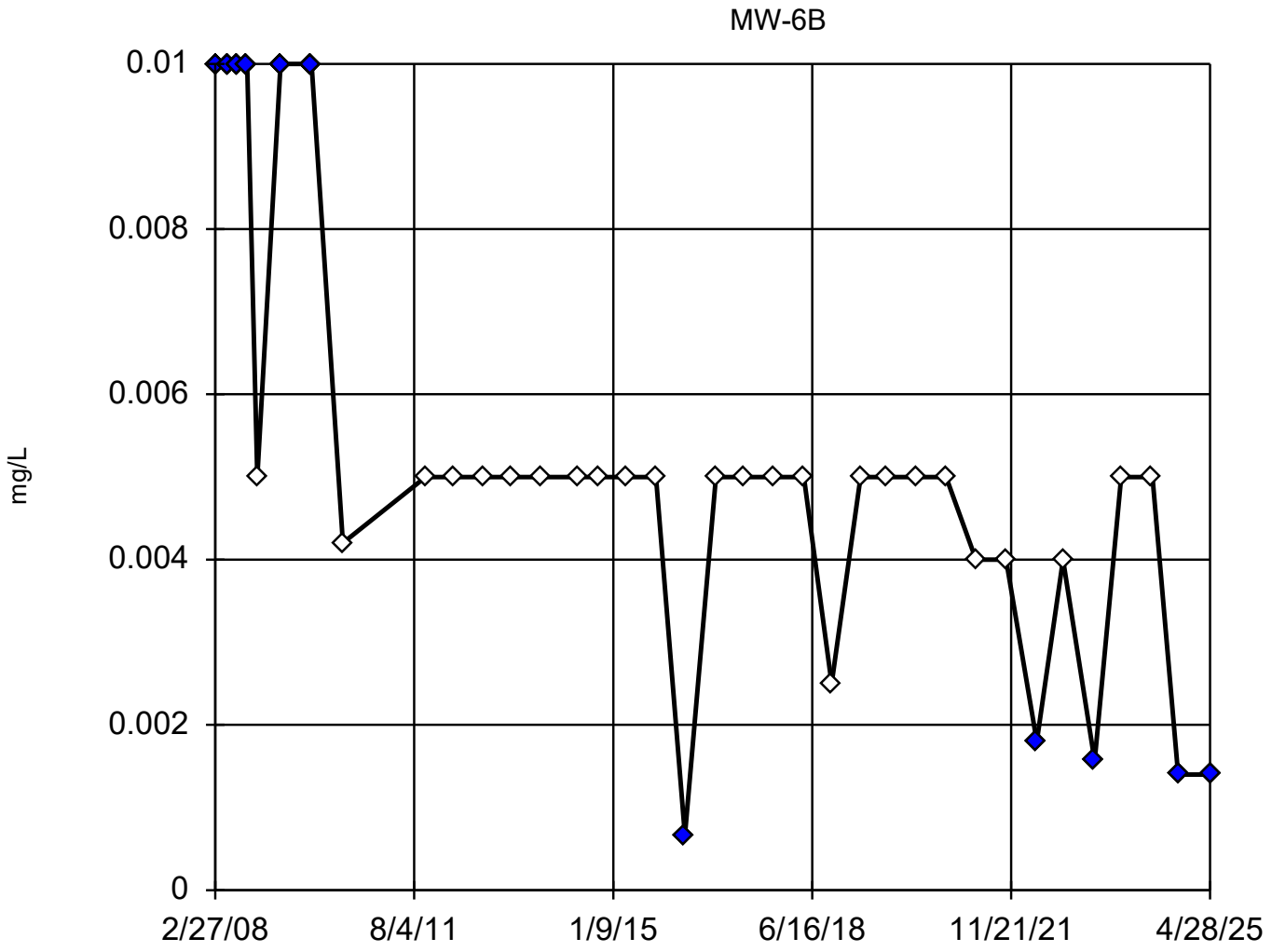
Tukey's Outlier Screening



n = 36

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.008238, low cutoff = 0.001934, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 7/13/2025 7:44 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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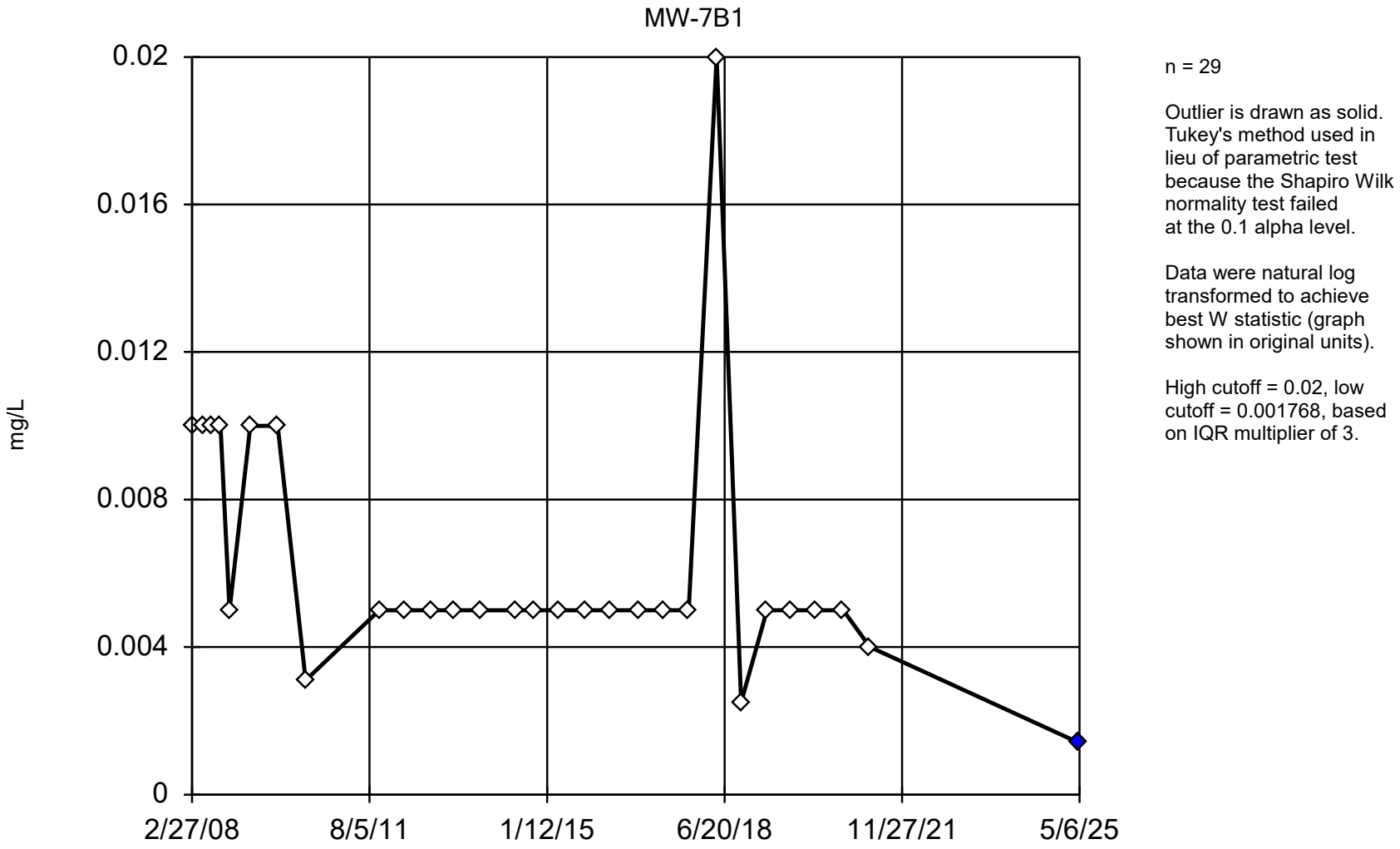
Tukey's Outlier Screening



n = 29

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02, low cutoff = 0.001768, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 7/13/2025 7:44 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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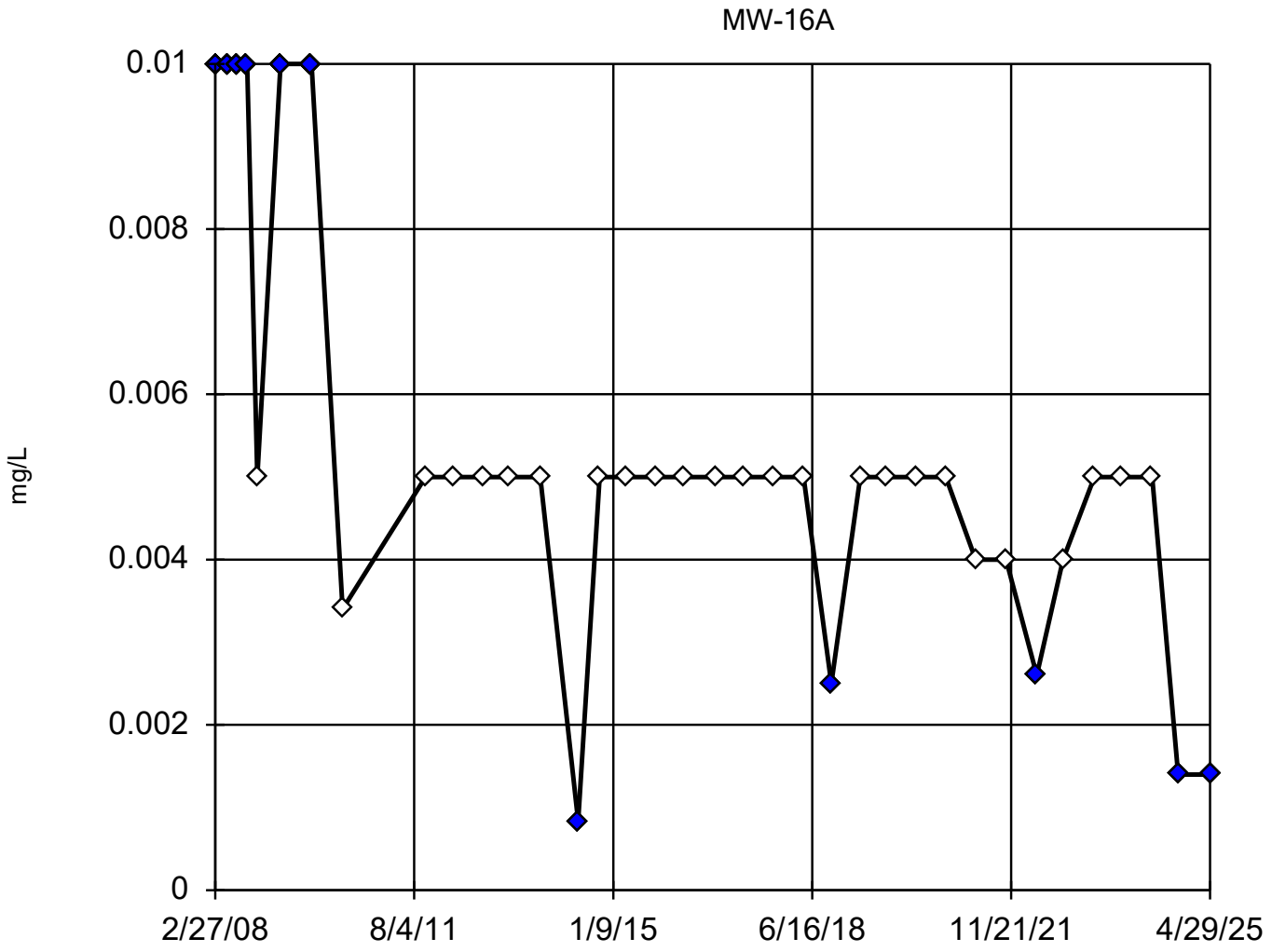
Tukey's Outlier Screening



n = 36

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.006709, low cutoff = 0.003111, based on IQR multiplier of 3.

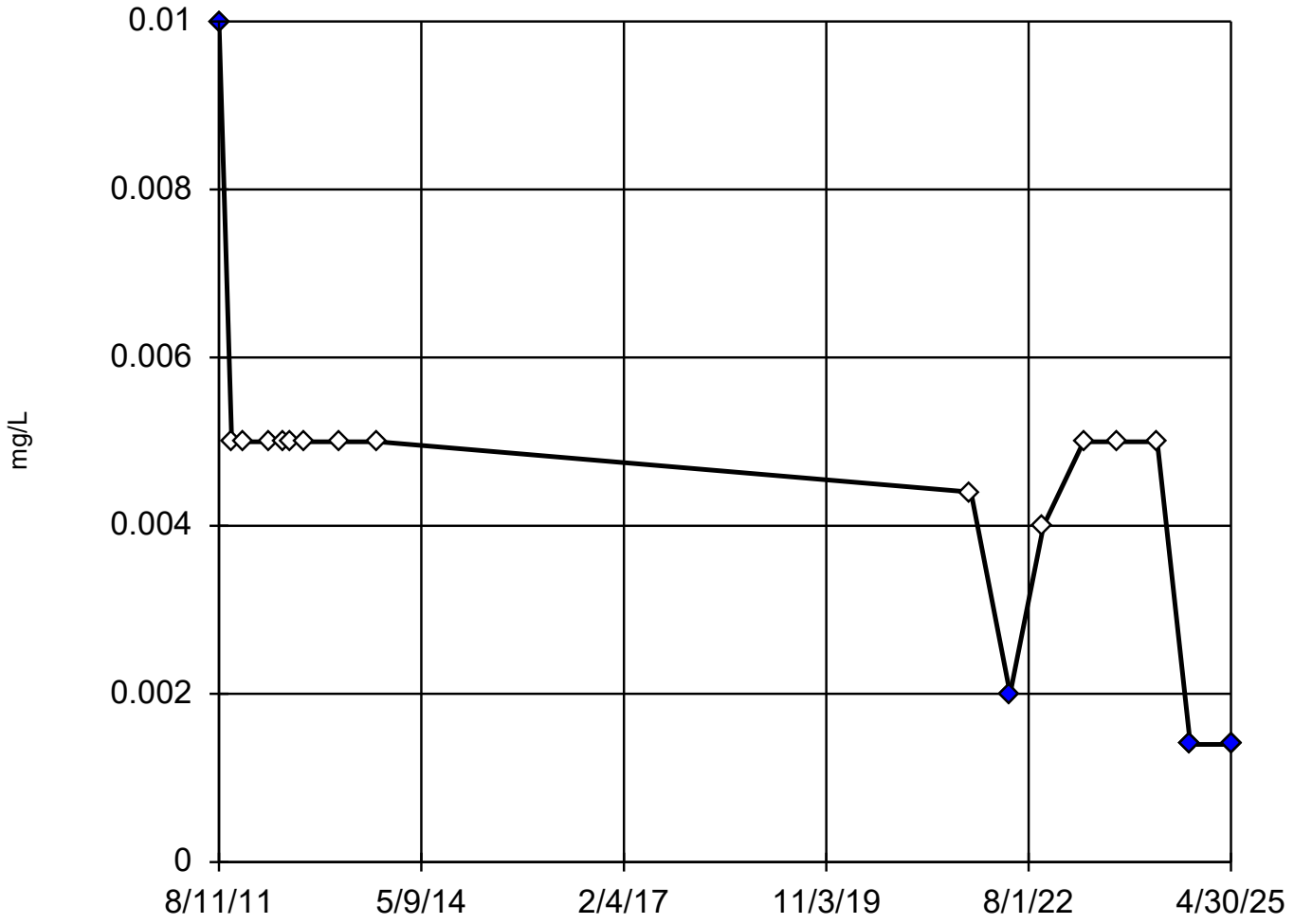
Constituent: Selenium Analysis Run 7/13/2025 7:44 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Tukey's Outlier Screening

MW-310A



n = 17

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square root transformed to achieve best W statistic (graph shown in original units).

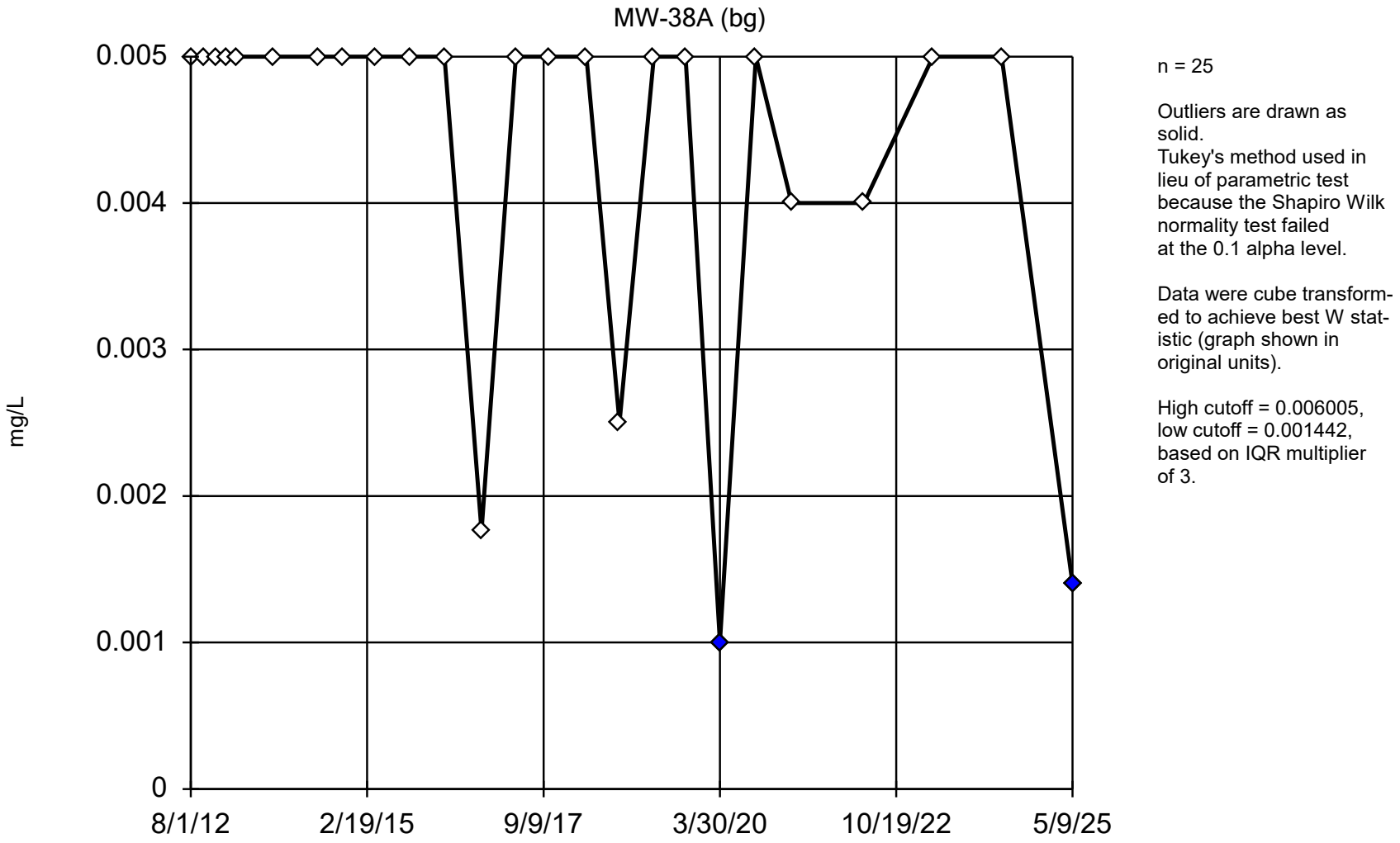
High cutoff = 0.007828, low cutoff = 0.002211, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 7/13/2025 7:44 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Tukey's Outlier Screening



n = 25

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were cube transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.006005, low cutoff = 0.001442, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 7/13/2025 7:44 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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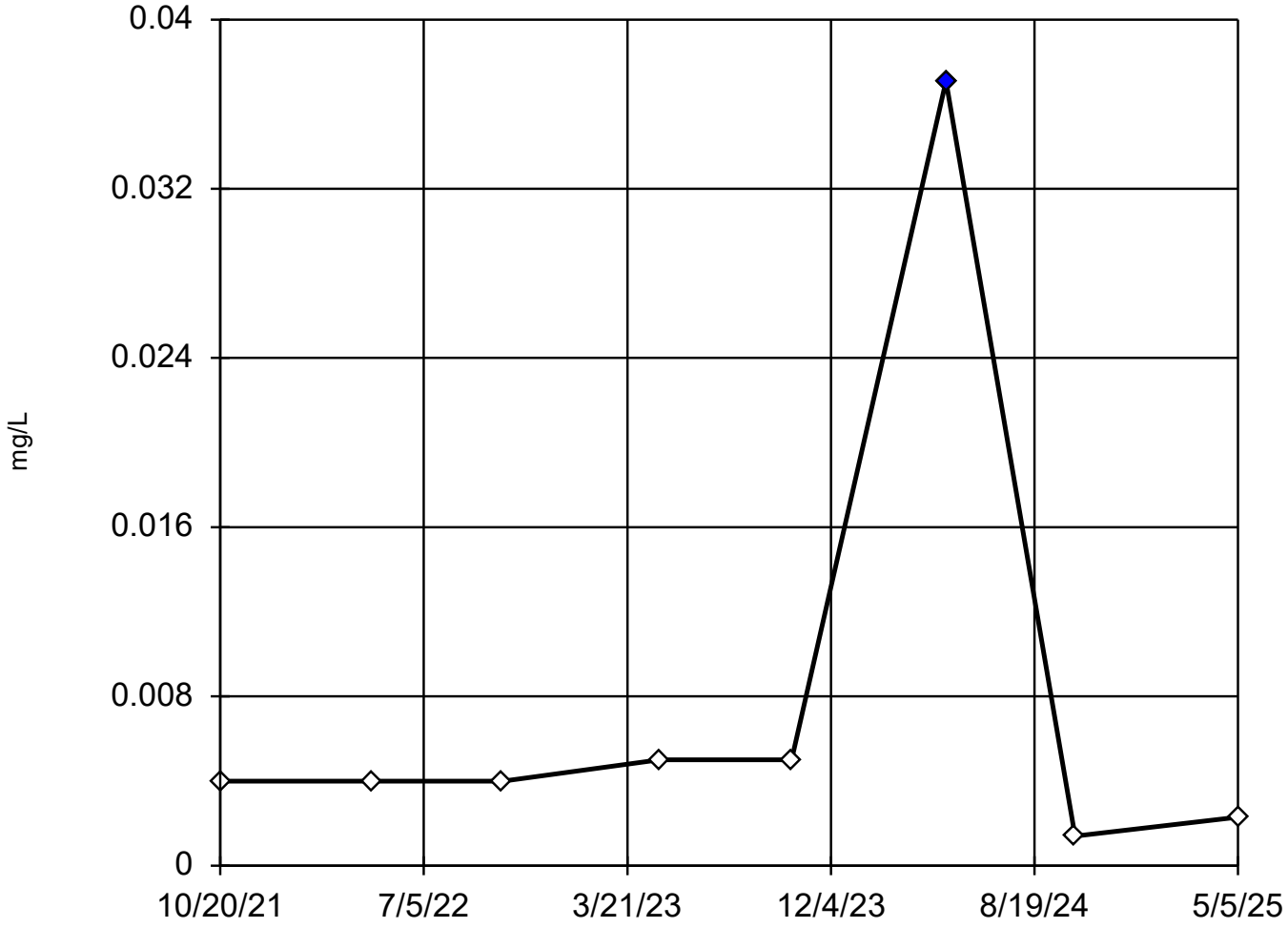
Dixon's Outlier Test

MW-408



n = 8

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 0.007849.
Std. Dev. = 0.01189.
0.0371 (o): c = 0.9221
tabl = 0.554.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8603
Critical = 0.838
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Selenium Analysis Run 7/13/2025 7:44 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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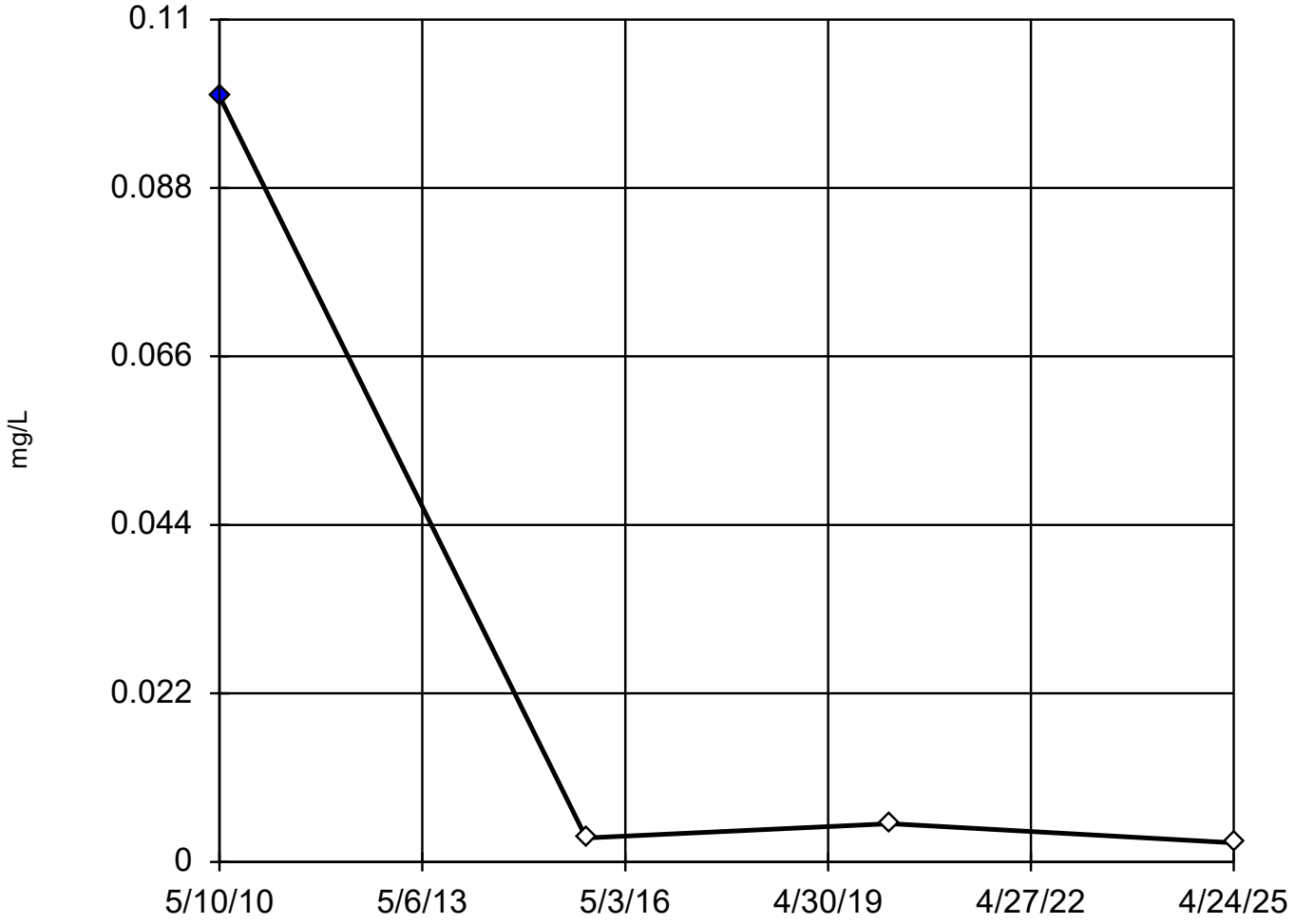
Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 0.02766.
Std. Dev. = 0.04824.
<0.1: c = 0.9744
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9264
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

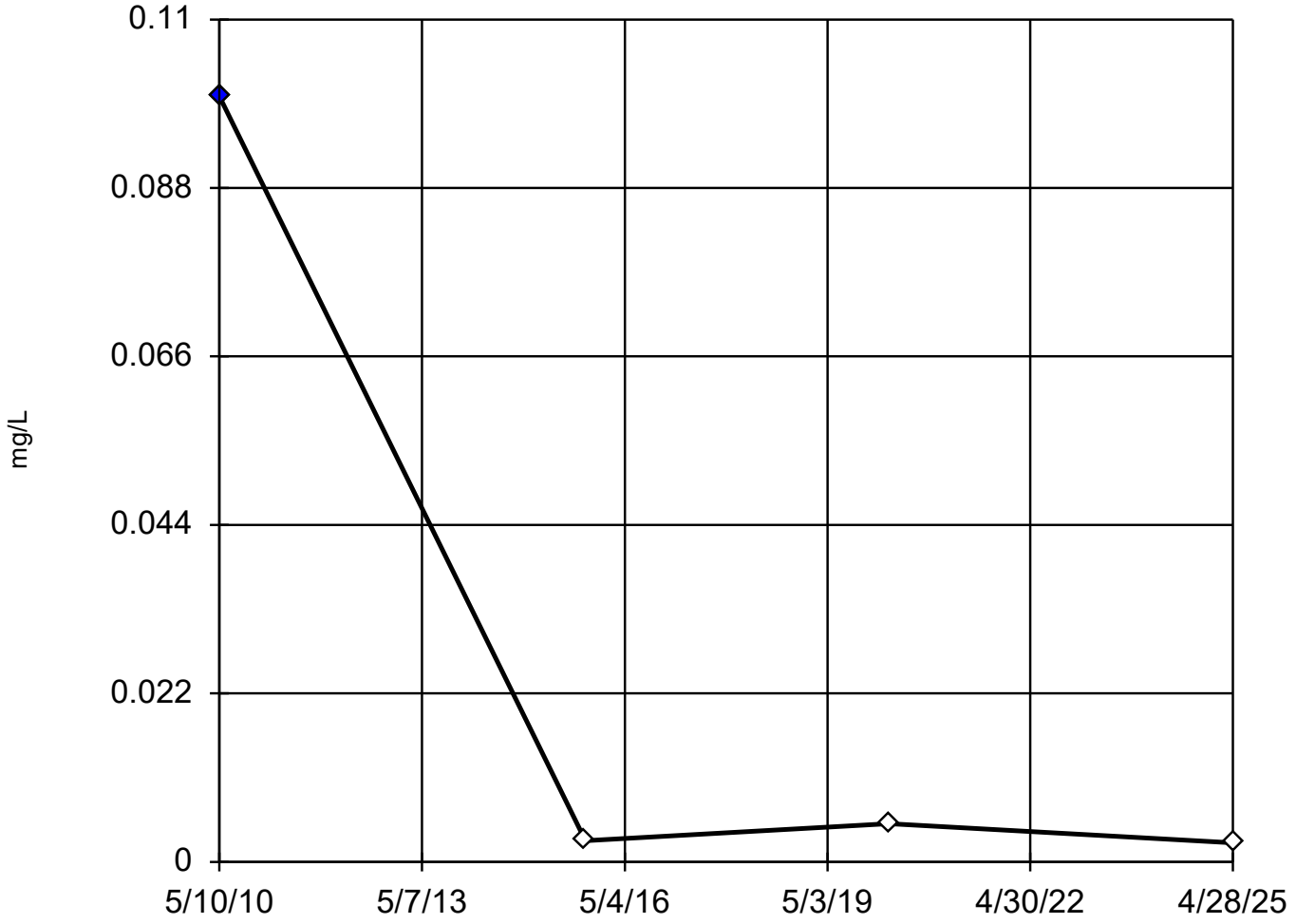
Constituent: Tin Analysis Run 7/13/2025 7:48 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-209B



n = 4

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 0.02757.
Std. Dev. = 0.0483.
<0.1: c = 0.9744
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8328
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

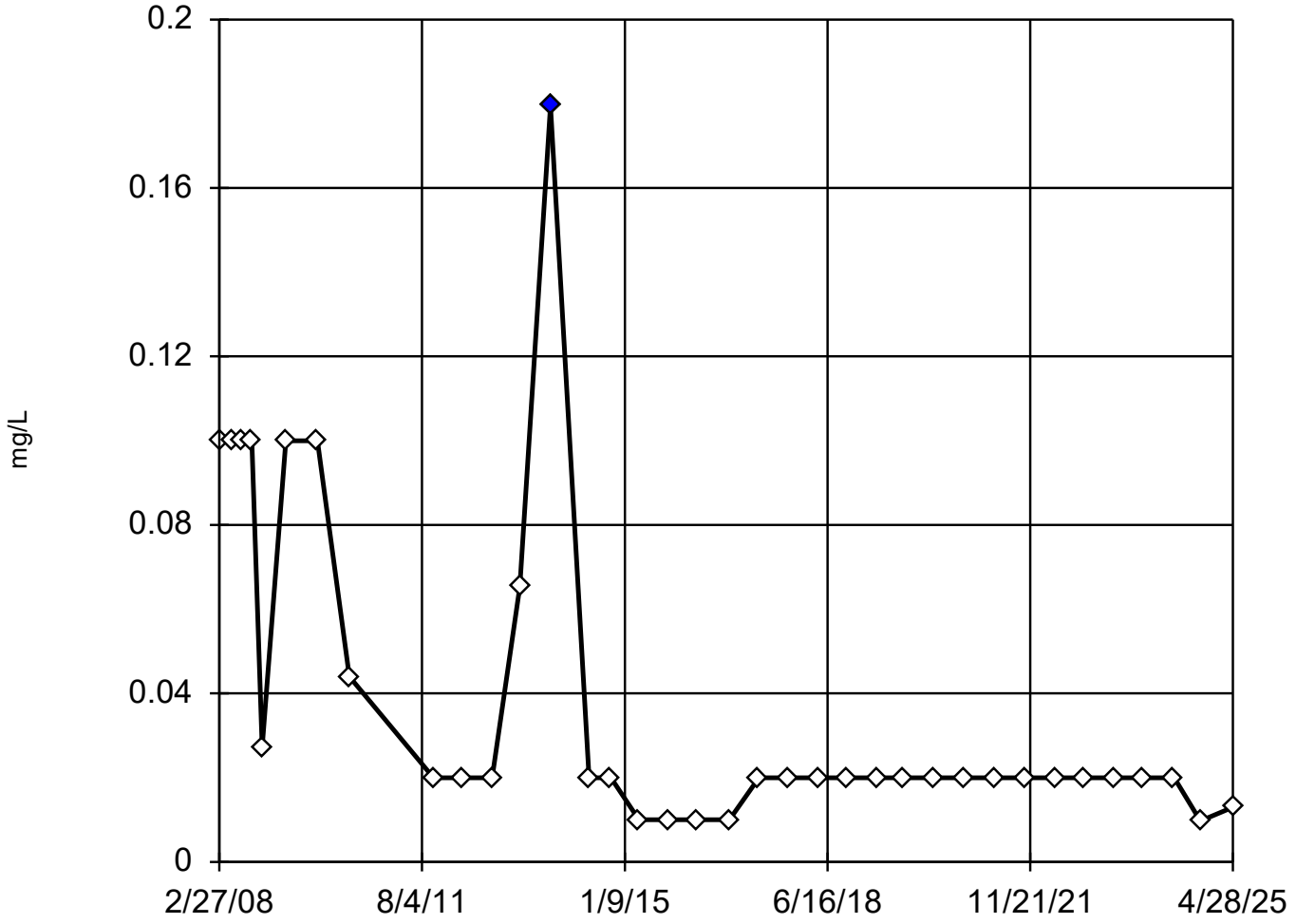
Constituent: Tin Analysis Run 7/13/2025 7:48 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Tukey's Outlier Screening

MW-6B



n = 36

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.179, low cutoff = 0.003864, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 7/13/2025 7:50 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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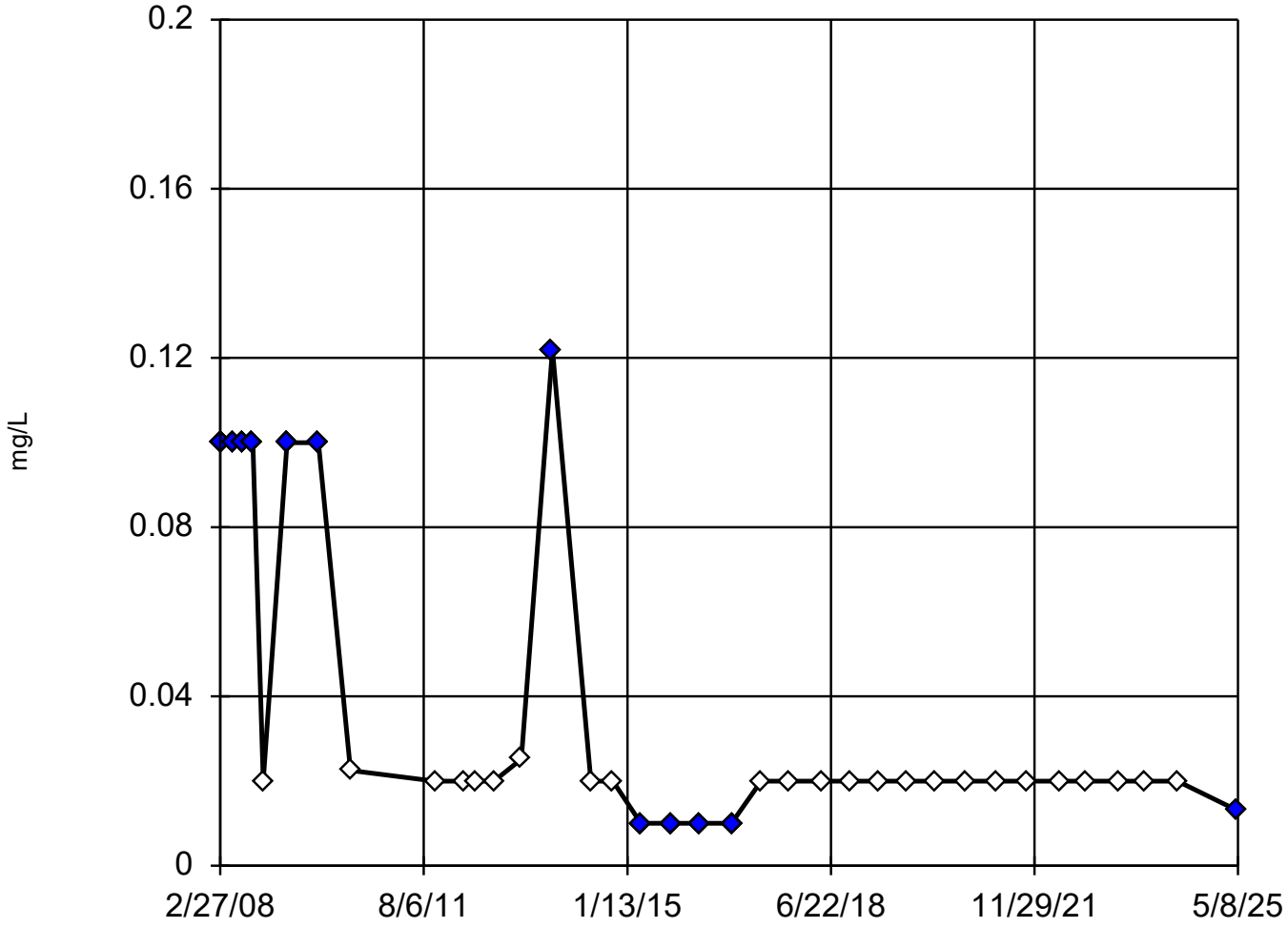
Tukey's Outlier Screening

MW-25A-00



n = 36

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02531, low cutoff = 0.01676, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 7/13/2025 7:50 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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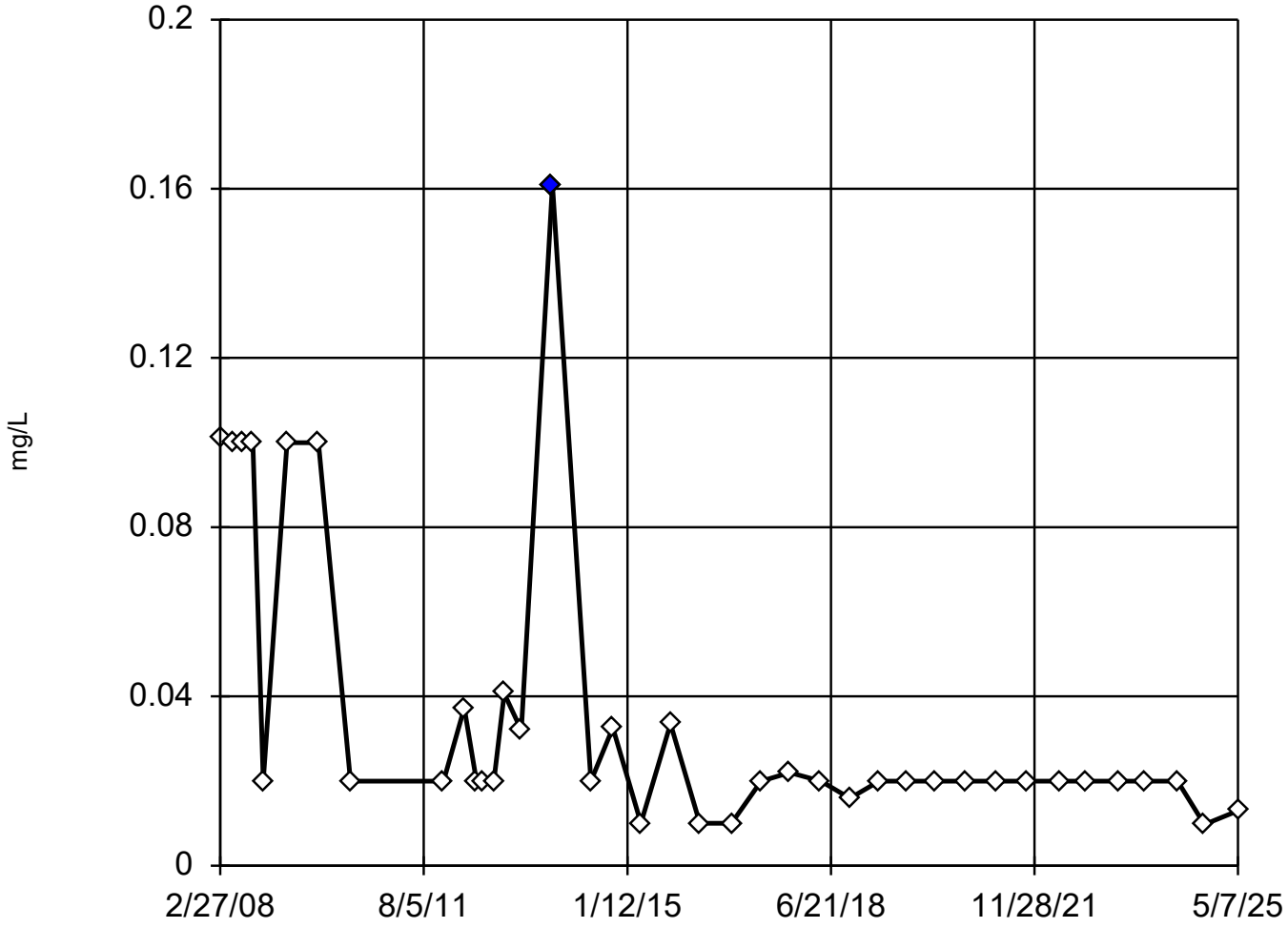
Tukey's Outlier Screening

MW-31B



n = 39

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.1574, low cutoff = 0.004256, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 7/13/2025 7:50 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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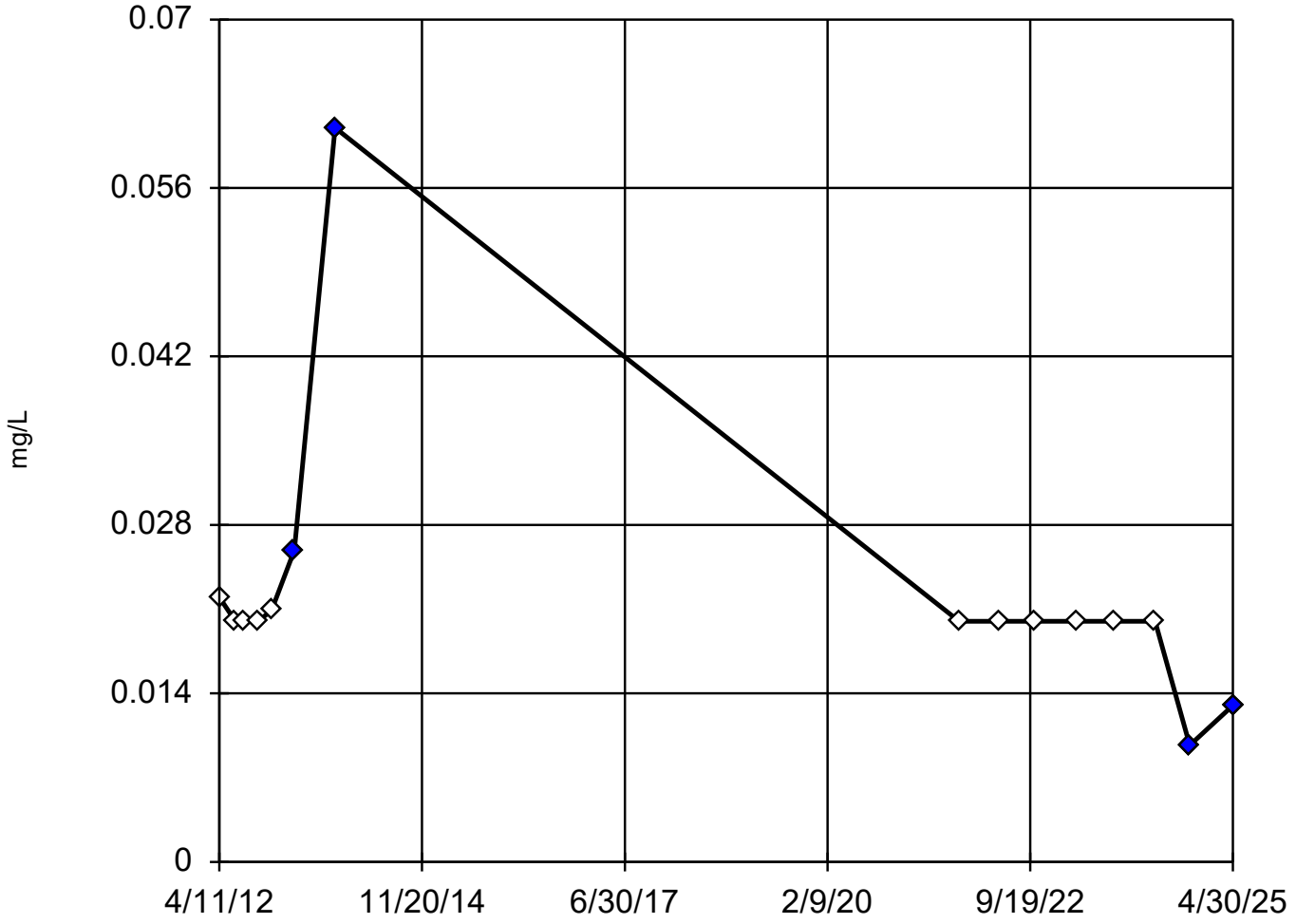
Tukey's Outlier Screening

MW-312A



n = 15

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02385, low cutoff = 0.01753, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 7/13/2025 7:50 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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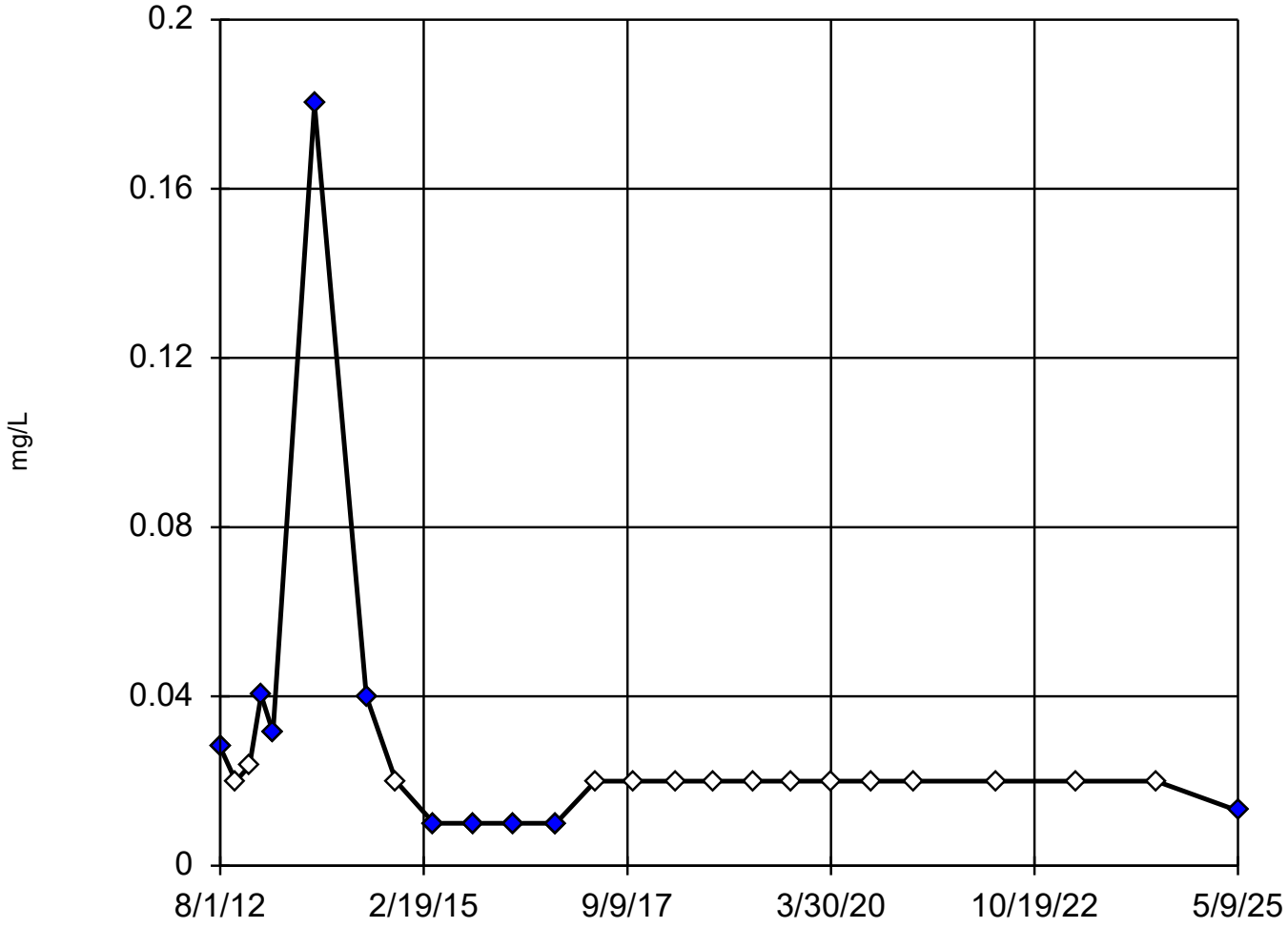
Tukey's Outlier Screening

MW-38A (bg)



n = 25

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02785, low cutoff = 0.0156, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 7/13/2025 7:50 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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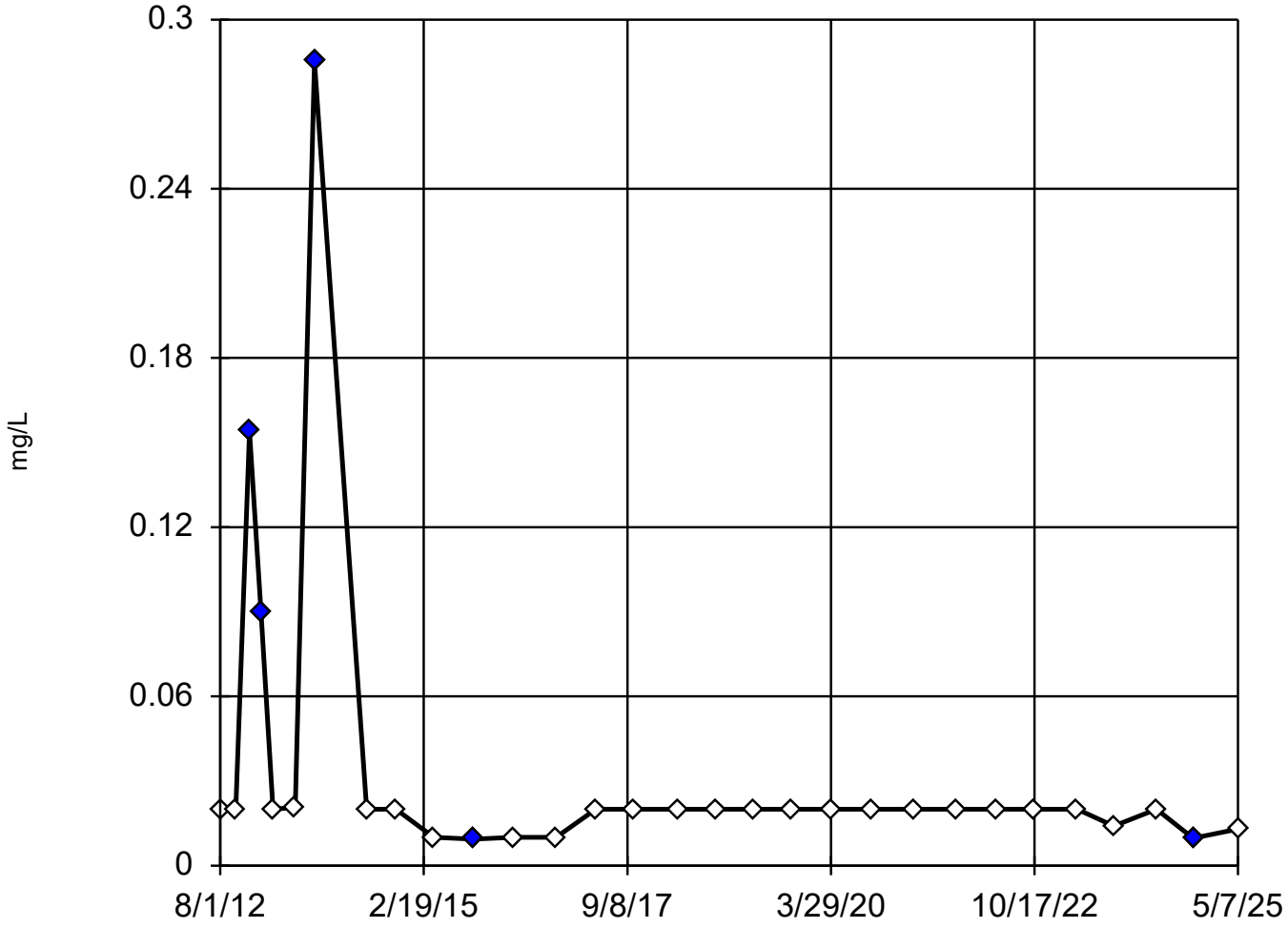
Tukey's Outlier Screening

MW-217A



n = 30

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.03415, low cutoff = 0.0098, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 7/13/2025 7:50 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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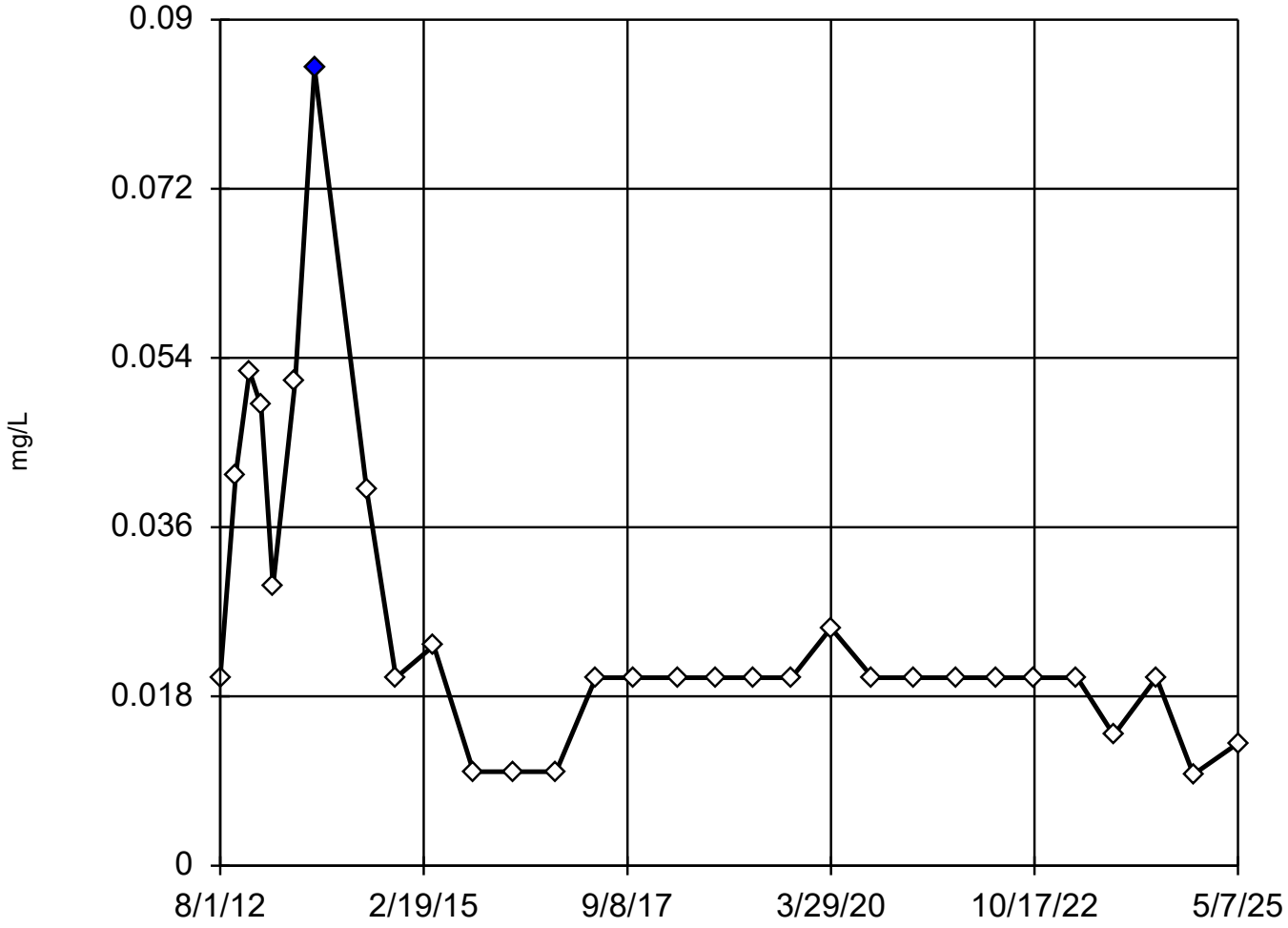
Tukey's Outlier Screening

MW-218A



n = 30

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.07058, low cutoff = 0.007768, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 7/13/2025 7:51 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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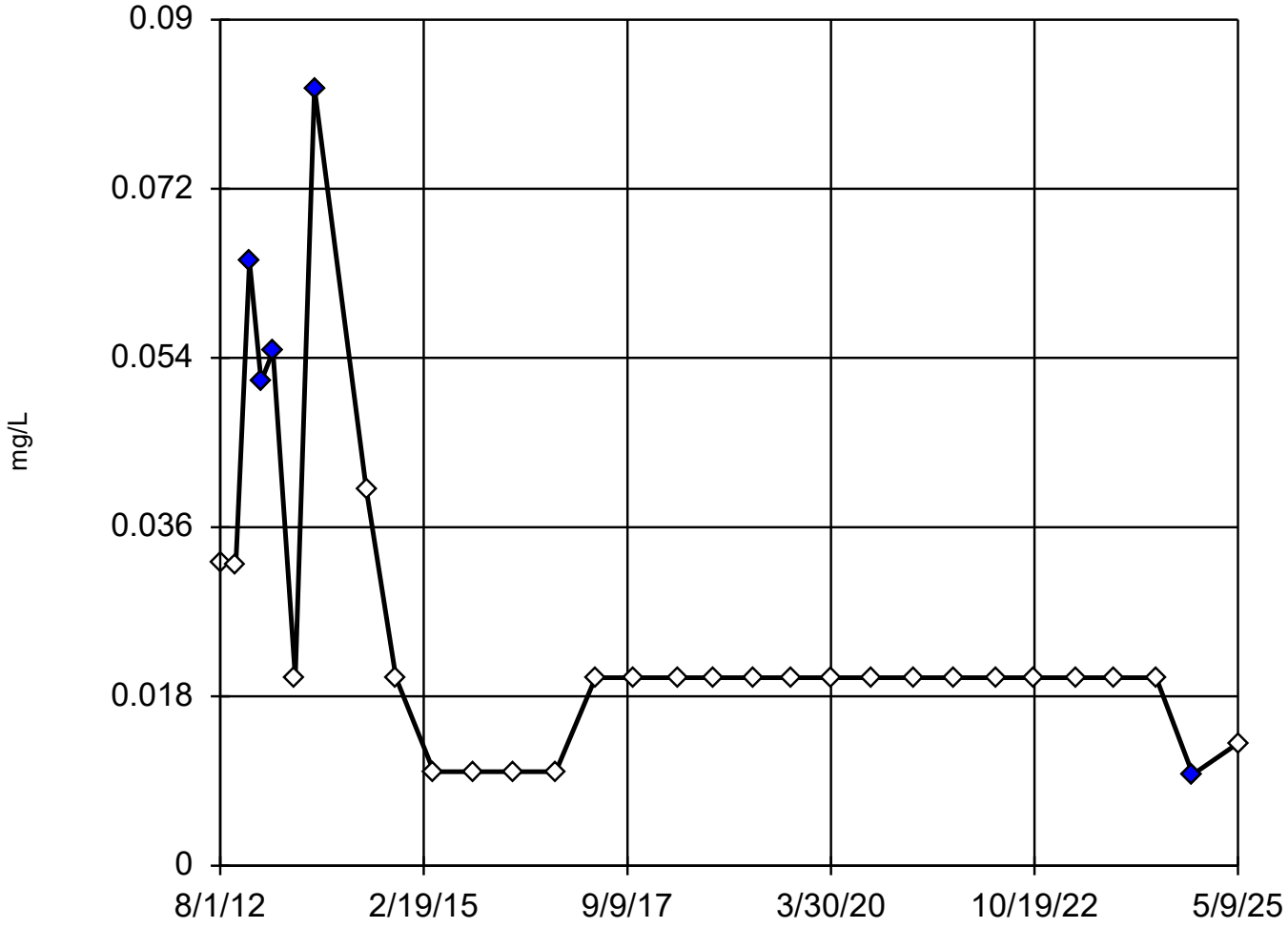
Tukey's Outlier Screening

MW-219A



n = 30

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.05088, low cutoff = 0.009929, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 7/13/2025 7:51 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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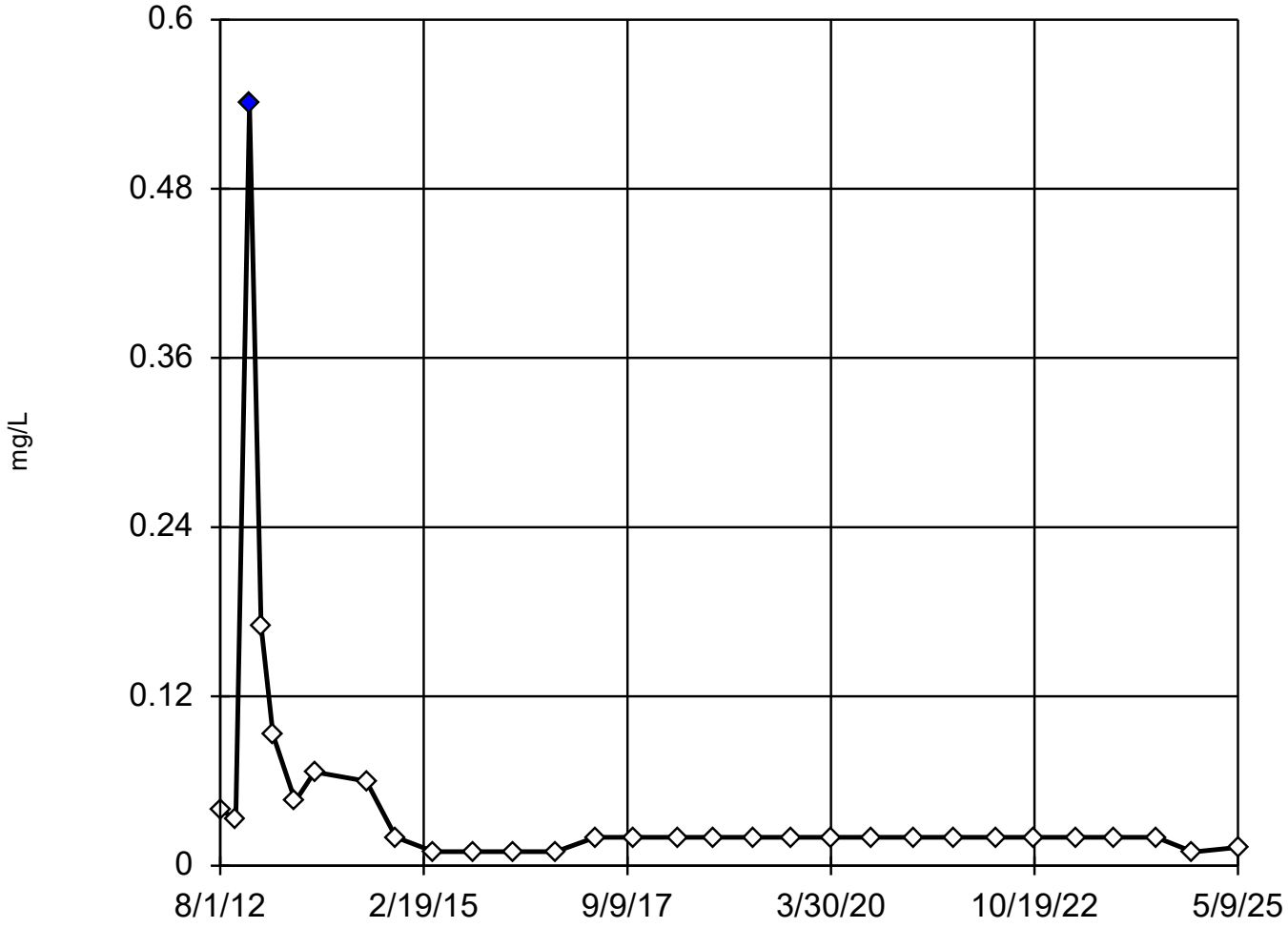
Tukey's Outlier Screening

MW-220A



n = 30

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.215, low cutoff = 0.003369, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 7/13/2025 7:51 PM View: 04_MW_Inorganics

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	36	0.003833	0.00236	unknown	ShapiroWilk
Antimony (mg/L)	MW-1A	n/a	n/a	n/a	NP (nrm)	NaN	38	0.003293	0.002366	unknown	ShapiroWilk
Antimony (mg/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.003211	0.002307	unknown	ShapiroWilk
Antimony (mg/L)	MW-2A-97	n/a	n/a	n/a	NP (nrm)	NaN	38	0.003316	0.002349	unknown	ShapiroWilk
Antimony (mg/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	31	0.003829	0.002919	unknown	ShapiroWilk
Antimony (mg/L)	MW-6B	n/a	n/a	n/a	NP (nrm)	NaN	38	0.003722	0.002765	unknown	ShapiroWilk
Antimony (mg/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	31	0.003806	0.002386	unknown	ShapiroWilk
Antimony (mg/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	31	0.00433	0.003341	unknown	ShapiroWilk
Antimony (mg/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.003385	0.002181	unknown	ShapiroWilk
Antimony (mg/L)	MW-11B	n/a	n/a	n/a	NP (nrm)	NaN	38	0.003348	0.002343	unknown	ShapiroWilk
Antimony (mg/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.003931	0.002374	unknown	ShapiroWilk
Antimony (mg/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	31	0.003903	0.002833	unknown	ShapiroWilk
Antimony (mg/L)	MW-15A	n/a	n/a	n/a	NP (nrm)	NaN	17	0.006118	0.001799	unknown	ShapiroWilk
Antimony (mg/L)	MW-16A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.0036	0.00334	unknown	ShapiroWilk
Antimony (mg/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	30	0.003833	0.002854	unknown	ShapiroWilk
Antimony (mg/L)	MW-18A-07	n/a	n/a	n/a	NP (nrm)	NaN	30	0.00381	0.00288	unknown	ShapiroWilk
Antimony (mg/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.003767	0.002897	unknown	ShapiroWilk
Antimony (mg/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.003664	0.002944	unknown	ShapiroWilk
Antimony (mg/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	37	0.003703	0.003026	unknown	ShapiroWilk
Antimony (mg/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.003835	0.002852	unknown	ShapiroWilk
Antimony (mg/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	39	0.003342	0.002408	unknown	ShapiroWilk
Antimony (mg/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	26	0.003237	0.002462	unknown	ShapiroWilk
Antimony (mg/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.003679	0.002894	unknown	ShapiroWilk
Antimony (mg/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.003667	0.002906	unknown	ShapiroWilk
Antimony (mg/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.003464	0.002442	unknown	ShapiroWilk
Antimony (mg/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	0.00349	0.002505	unknown	ShapiroWilk
Antimony (mg/L)	MW-209B	No	n/a	n/a	NP (nrm)	NaN	35	0.003297	0.003216	unknown	ShapiroWilk
Antimony (mg/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.003649	0.002926	unknown	ShapiroWilk
Antimony (mg/L)	MW-212A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.003314	0.00241	unknown	ShapiroWilk
Antimony (mg/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.003546	0.002963	unknown	ShapiroWilk
Antimony (mg/L)	MW-206A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.003252	0.00274	unknown	ShapiroWilk
Antimony (mg/L)	MW-207A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.003406	0.002695	unknown	ShapiroWilk
Antimony (mg/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.003526	0.00298	unknown	ShapiroWilk
Antimony (mg/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.00363	0.002884	unknown	ShapiroWilk
Antimony (mg/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.004085	0.003554	unknown	ShapiroWilk
Antimony (mg/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.003431	0.00281	unknown	ShapiroWilk
Antimony (mg/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.004069	0.003469	unknown	ShapiroWilk
Antimony (mg/L)	MW-306A	No	n/a	n/a	NP (nrm)	NaN	8	0.006	0	unknown	ShapiroWilk
Antimony (mg/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	17	0.004	0.002208	unknown	ShapiroWilk
Antimony (mg/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.003733	0.002219	unknown	ShapiroWilk
Antimony (mg/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.00308	0.002857	unknown	ShapiroWilk
Antimony (mg/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	24	0.002611	0.00229	unknown	ShapiroWilk
Antimony (mg/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.003329	0.004446	unknown	ShapiroWilk
Antimony (mg/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.002733	0.002212	unknown	ShapiroWilk
Antimony (mg/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.002933	0.002728	unknown	ShapiroWilk
Antimony (mg/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.002933	0.002728	unknown	ShapiroWilk
Antimony (mg/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.002933	0.002728	unknown	ShapiroWilk
Antimony (mg/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	7	0.001524	0.0005041	unknown	ShapiroWilk
Antimony (mg/L)	MW-408	n/a	n/a	n/a	NP (nrm)	NaN	8	0.001563	0.0006232	unknown	ShapiroWilk
Antimony (mg/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.00175	0.0004629	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Arsenic (mg/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	41	0.001593	0.001107	unknown	ShapiroWilk
Arsenic (mg/L)	MW-1A	No	n/a	n/a	EPA 1989	0.05	39	0.04572	0.03018	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.001817	0.0009771	unknown	ShapiroWilk
Arsenic (mg/L)	MW-2A-97	No	n/a	n/a	EPA 1989	0.05	39	0.01138	0.008421	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	35	0.001547	0.0008944	unknown	ShapiroWilk
Arsenic (mg/L)	MW-6B	No	n/a	n/a	Rosner`s	0.01	39	0.04464	0.0126	normal	ShapiroWilk
Arsenic (mg/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	35	0.004784	0.002684	unknown	ShapiroWilk
Arsenic (mg/L)	**MW-8B**	**Yes**	**0.14**	**10/11/2012**	**Rosner`s**	**0.01**	**35**	**0.02955**	**0.02453**	**ln(x)**	**ShapiroWilk**
Arsenic (mg/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.001694	0.0008716	unknown	ShapiroWilk
Arsenic (mg/L)	MW-11B	No	n/a	n/a	EPA 1989	0.05	39	0.09037	0.04032	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	35	0.006021	0.004247	unknown	ShapiroWilk
Arsenic (mg/L)	MW-14B	No	n/a	n/a	EPA 1989	0.05	35	0.003124	0.001752	ln(x)	ShapiroWilk
Arsenic (mg/L)	**MW-15A**	**Yes**	**0.0634**	**4/23/2018**	**NP (nrm)**	**NaN**	**39**	**0.01673**	**0.009789**	**unknown**	**ShapiroWilk**
Arsenic (mg/L)	MW-16A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.001512	0.0008227	unknown	ShapiroWilk
Arsenic (mg/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	32	0.00172	0.001017	unknown	ShapiroWilk
Arsenic (mg/L)	MW-18A-07	No	n/a	n/a	NP (nrm)	NaN	36	0.002515	0.00204	unknown	ShapiroWilk
Arsenic (mg/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	32	0.002114	0.001541	unknown	ShapiroWilk
Arsenic (mg/L)	MW-24A	No	n/a	n/a	EPA 1989	0.05	38	0.005416	0.005511	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.002022	0.001942	unknown	ShapiroWilk
Arsenic (mg/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.001505	0.0008476	unknown	ShapiroWilk
Arsenic (mg/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	39	0.001982	0.002049	unknown	ShapiroWilk
Arsenic (mg/L)	MW-201A	No	n/a	n/a	EPA 1989	0.05	37	0.006366	0.01021	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.002092	0.002115	unknown	ShapiroWilk
Arsenic (mg/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.00191	0.001617	unknown	ShapiroWilk
Arsenic (mg/L)	MW-204A	No	n/a	n/a	NP (nrm)	NaN	35	0.05212	0.03504	unknown	ShapiroWilk
Arsenic (mg/L)	MW-208B	No	n/a	n/a	EPA 1989	0.05	34	0.005531	0.005453	ln(x)	ShapiroWilk
Arsenic (mg/L)	**MW-209B**	**Yes**	**0.191**	**6/2/2014**	**Rosner`s**	**0.01**	**39**	**0.06214**	**0.03215**	**normal**	**ShapiroWilk**
Arsenic (mg/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	35	0.002935	0.003871	unknown	ShapiroWilk
Arsenic (mg/L)	MW-212A	No	n/a	n/a	EPA 1989	0.05	38	0.01553	0.01764	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-215A	No	n/a	n/a	EPA 1989	0.05	32	0.002321	0.001432	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-206A	n/a	n/a	n/a	NP (nrm)	NaN	39	0.001984	0.001395	unknown	ShapiroWilk
Arsenic (mg/L)	**MW-207A**	**Yes**	**0.259**	**4/28/2025**	**Rosner`s**	**0.01**	**39**	**0.06919**	**0.03223**	**normal**	**ShapiroWilk**
Arsenic (mg/L)	MW-214A	No	n/a	n/a	NP (nrm)	NaN	33	0.002659	0.002555	unknown	ShapiroWilk
Arsenic (mg/L)	MW-200A	No	n/a	n/a	NP (nrm)	NaN	37	0.002984	0.004423	unknown	ShapiroWilk
Arsenic (mg/L)	MW-205A	No	n/a	n/a	EPA 1989	0.05	34	0.03458	0.03555	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-211B	No	n/a	n/a	NP (nrm)	NaN	36	0.008674	0.02326	unknown	ShapiroWilk
Arsenic (mg/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	34	0.003489	0.003961	unknown	ShapiroWilk
Arsenic (mg/L)	MW-306A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001672	0.0008285	unknown	ShapiroWilk
Arsenic (mg/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001869	0.0009966	unknown	ShapiroWilk
Arsenic (mg/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	17	0.001533	0.001049	unknown	ShapiroWilk
Arsenic (mg/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.002419	0.004189	unknown	ShapiroWilk
Arsenic (mg/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	24	0.001851	0.000943	unknown	ShapiroWilk
Arsenic (mg/L)	MW-216A	No	n/a	n/a	NP (nrm)	NaN	30	0.003592	0.003818	unknown	ShapiroWilk
Arsenic (mg/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.002159	0.001618	unknown	ShapiroWilk
Arsenic (mg/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001751	0.0009401	unknown	ShapiroWilk
Arsenic (mg/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001755	0.0009465	unknown	ShapiroWilk
Arsenic (mg/L)	MW-220A	No	n/a	n/a	NP (nrm)	NaN	30	0.002163	0.00167	unknown	ShapiroWilk
Arsenic (mg/L)	MW-18AR	No	n/a	n/a	EPA 1989	0.05	14	0.001898	0.001265	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	14	0.002204	0.001102	unknown	ShapiroWilk
Arsenic (mg/L)	MW-410	No	n/a	n/a	EPA 1989	0.05	8	0.001894	0.001429	ln(x)	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Arsenic (mg/L)	MW-409	No	n/a	n/a	EPA 1989	0.05	14	0.03412	0.007077	normal	ShapiroWilk
Arsenic (mg/L)	MW-11D	No	n/a	n/a	EPA 1989	0.05	18	0.002012	0.001081	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-407	No	n/a	n/a	EPA 1989	0.05	18	0.002609	0.00188	ln(x)	ShapiroWilk
Arsenic (mg/L)	**MW-7C**	**Yes**	**0.0045,0.00551**	**5/2/2022,4/16/2019**	**Dixon`s**	**0.05**	**16**	**0.002656**	**0.0009994**	**normal**	**ShapiroWilk**
Arsenic (mg/L)	MW-2C-97	n/a	n/a	n/a	NP (nrm)	NaN	7	0.002085	0.0009934	unknown	ShapiroWilk
Barium (mg/L)	MW-34A (bg)	No	n/a	n/a	NP (nrm)	NaN	43	0.2094	0.0592	unknown	ShapiroWilk
Barium (mg/L)	**MW-1A**	**Yes**	**1.05,0.126,0...**	**2/27/2008,4/29/2024,5/...**	**NP (nrm)**	**NaN**	**40**	**0.4624**	**0.1602**	**unknown**	**ShapiroWilk**
Barium (mg/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	39	0.4656	0.1054	unknown	ShapiroWilk
Barium (mg/L)	**MW-2A-97**	**Yes**	**0.687**	**4/16/2019**	**Rosner`s**	**0.01**	**40**	**0.3466**	**0.07896**	**normal**	**ShapiroWilk**
Barium (mg/L)	MW-5B	No	n/a	n/a	Rosner`s	0.01	36	0.1791	0.03961	normal	ShapiroWilk
Barium (mg/L)	MW-6B	No	n/a	n/a	EPA 1989	0.05	40	0.7462	0.1208	normal	ShapiroWilk
Barium (mg/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	36	0.5377	0.09485	unknown	ShapiroWilk
Barium (mg/L)	**MW-8B**	**Yes**	**3.83**	**10/11/2012**	**Rosner`s**	**0.01**	**37**	**0.7067**	**0.5863**	**ln(x)**	**ShapiroWilk**
Barium (mg/L)	MW-10B	No	n/a	n/a	EPA 1989	0.05	13	0.1322	0.01874	normal	ShapiroWilk
Barium (mg/L)	MW-11B	No	n/a	n/a	EPA 1989	0.05	40	0.5017	0.09488	normal	ShapiroWilk
Barium (mg/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	34	0.5847	0.2246	unknown	ShapiroWilk
Barium (mg/L)	MW-14B	No	n/a	n/a	EPA 1989	0.05	36	0.4358	0.06075	normal	ShapiroWilk
Barium (mg/L)	**MW-15A**	**Yes**	**1.24,1.35,0.481**	**7/13/2008,2/27/2008,7/...**	**Dixon`s**	**0.05**	**19**	**0.8816**	**0.1865**	**normal**	**ShapiroWilk**
Barium (mg/L)	MW-16A	No	n/a	n/a	EPA 1989	0.05	40	0.4955	0.06911	ln(x)	ShapiroWilk
Barium (mg/L)	**MW-17A-00**	**Yes**	**0.16**	**7/7/2009**	**Rosner`s**	**0.01**	**36**	**0.451**	**0.07275**	**normal**	**ShapiroWilk**
Barium (mg/L)	MW-18A-07	No	n/a	n/a	EPA 1989	0.05	33	1.037	0.1399	normal	ShapiroWilk
Barium (mg/L)	**MW-23A**	**Yes**	**0.625,0.467**	**5/10/2010,9/2/2009**	**Rosner`s**	**0.01**	**36**	**0.3286**	**0.06279**	**normal**	**ShapiroWilk**
Barium (mg/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	38	0.3632	0.07891	unknown	ShapiroWilk
Barium (mg/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	40	0.1403	0.05401	unknown	ShapiroWilk
Barium (mg/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	40	0.1417	0.04647	unknown	ShapiroWilk
Barium (mg/L)	MW-31B	No	n/a	n/a	NP (nrm)	NaN	42	0.3552	0.1235	unknown	ShapiroWilk
Barium (mg/L)	MW-201A	No	n/a	n/a	EPA 1989	0.05	37	0.4396	0.2494	ln(x)	ShapiroWilk
Barium (mg/L)	MW-202A	No	n/a	n/a	EPA 1989	0.05	35	0.3581	0.06129	normal	ShapiroWilk
Barium (mg/L)	MW-203A	No	n/a	n/a	EPA 1989	0.05	35	0.3105	0.0429	normal	ShapiroWilk
Barium (mg/L)	MW-204A	No	n/a	n/a	Rosner`s	0.01	35	0.1691	0.02467	normal	ShapiroWilk
Barium (mg/L)	**MW-208B**	**Yes**	**0.0557,0.062...**	**4/29/2024,4/25/2025,5/...**	**Rosner`s**	**0.01**	**34**	**0.6304**	**0.2446**	**normal**	**ShapiroWilk**
Barium (mg/L)	MW-209B	No	n/a	n/a	NP (nrm)	NaN	39	0.9456	0.4288	unknown	ShapiroWilk
Barium (mg/L)	**MW-210B**	**Yes**	**0.113,0.1165...**	**5/5/2025,4/29/2024,4/1...**	**Rosner`s**	**0.01**	**35**	**0.2877**	**0.09292**	**ln(x)**	**ShapiroWilk**
Barium (mg/L)	MW-212A	No	n/a	n/a	NP (nrm)	NaN	38	0.6048	0.4243	unknown	ShapiroWilk
Barium (mg/L)	MW-215A	No	n/a	n/a	NP (nrm)	NaN	32	0.1923	0.105	unknown	ShapiroWilk
Barium (mg/L)	MW-206A	No	n/a	n/a	Rosner`s	0.01	39	0.2963	0.09908	normal	ShapiroWilk
Barium (mg/L)	**MW-207A**	**Yes**	**1.96**	**4/28/2025**	**Rosner`s**	**0.01**	**39**	**0.493**	**0.2482**	**ln(x)**	**ShapiroWilk**
Barium (mg/L)	**MW-214A**	**Yes**	**0.0572,0.514**	**10/17/2016,4/17/2017**	**NP (nrm)**	**NaN**	**33**	**0.2837**	**0.07478**	**unknown**	**ShapiroWilk**
Barium (mg/L)	MW-200A	No	n/a	n/a	EPA 1989	0.05	37	0.7476	0.228	ln(x)	ShapiroWilk
Barium (mg/L)	MW-205A	No	n/a	n/a	EPA 1989	0.05	34	0.4234	0.1772	ln(x)	ShapiroWilk
Barium (mg/L)	**MW-211B**	**Yes**	**2.72**	**4/28/2025**	**Rosner`s**	**0.01**	**36**	**0.6034**	**0.4148**	**normal**	**ShapiroWilk**
Barium (mg/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	34	0.2578	0.1681	unknown	ShapiroWilk
Barium (mg/L)	MW-306A	No	n/a	n/a	EPA 1989	0.05	12	0.1062	0.03324	ln(x)	ShapiroWilk
Barium (mg/L)	MW-310A	No	n/a	n/a	EPA 1989	0.05	18	0.09606	0.04052	ln(x)	ShapiroWilk
Barium (mg/L)	MW-312A	No	n/a	n/a	NP (nrm)	NaN	15	0.1849	0.03032	unknown	ShapiroWilk
Barium (mg/L)	**MW-38A (bg)**	**Yes**	**0.806**	**10/7/2013**	**Rosner`s**	**0.01**	**25**	**0.2965**	**0.1193**	**normal**	**ShapiroWilk**
Barium (mg/L)	**MW-39B (bg)**	**Yes**	**0.31,0.247**	**8/1/2012,10/16/2018**	**Rosner`s**	**0.01**	**24**	**0.1733**	**0.03788**	**normal**	**ShapiroWilk**
Barium (mg/L)	MW-216A	No	n/a	n/a	NP (nrm)	NaN	30	0.3653	0.2993	unknown	ShapiroWilk
Barium (mg/L)	**MW-217A**	**Yes**	**1.82,0.616,0...**	**10/7/2013,12/13/2012,2...**	**Rosner`s**	**0.01**	**30**	**0.1761**	**0.3279**	**normal**	**ShapiroWilk**
Barium (mg/L)	MW-218A	No	n/a	n/a	EPA 1989	0.05	30	0.2405	0.02902	normal	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Barium (mg/L)	MW-219A	No	n/a	n/a	NP (nrm)	NaN	30	0.5116	0.1285	unknown	ShapiroWilk
Barium (mg/L)	**MW-220A**	**Yes**	**1.85,1.35,0....**	**12/13/2012,2/4/2013,3/...**	**Rosner`s**	**0.01**	**30**	**0.3944**	**0.3403**	**normal**	**ShapiroWilk**
Barium (mg/L)	MW-18AR	No	n/a	n/a	EPA 1989	0.05	14	0.7051	0.1514	normal	ShapiroWilk
Barium (mg/L)	MW-408	No	n/a	n/a	EPA 1989	0.05	8	0.1755	0.01143	normal	ShapiroWilk
Barium (mg/L)	MW-410	No	n/a	n/a	EPA 1989	0.05	8	0.09853	0.008646	normal	ShapiroWilk
Beryllium (mg/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	43	0.001112	0.0006597	unknown	ShapiroWilk
Beryllium (mg/L)	MW-1A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.001325	0.001008	unknown	ShapiroWilk
Beryllium (mg/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.001171	0.0008946	unknown	ShapiroWilk
Beryllium (mg/L)	MW-2A-97	n/a	n/a	n/a	NP (nrm)	NaN	37	0.001246	0.0009991	unknown	ShapiroWilk
Beryllium (mg/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001027	0.0006062	unknown	ShapiroWilk
Beryllium (mg/L)	MW-6B	n/a	n/a	n/a	NP (nrm)	NaN	37	0.001272	0.0009793	unknown	ShapiroWilk
Beryllium (mg/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001177	0.0007887	unknown	ShapiroWilk
Beryllium (mg/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.001112	0.0006609	unknown	ShapiroWilk
Beryllium (mg/L)	MW-10B	No	n/a	n/a	NP (nrm)	NaN	13	0.001589	0.001396	unknown	ShapiroWilk
Beryllium (mg/L)	MW-11B	n/a	n/a	n/a	NP (nrm)	NaN	37	0.001235	0.001004	unknown	ShapiroWilk
Beryllium (mg/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.001193	0.0008009	unknown	ShapiroWilk
Beryllium (mg/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001058	0.0005786	unknown	ShapiroWilk
Beryllium (mg/L)	MW-15A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.001099	0.0004037	unknown	ShapiroWilk
Beryllium (mg/L)	MW-16A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.001272	0.0009793	unknown	ShapiroWilk
Beryllium (mg/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001058	0.0005786	unknown	ShapiroWilk
Beryllium (mg/L)	MW-18A-07	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001034	0.0005954	unknown	ShapiroWilk
Beryllium (mg/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001118	0.000601	unknown	ShapiroWilk
Beryllium (mg/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.000...	0.0006371	unknown	ShapiroWilk
Beryllium (mg/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	37	0.001267	0.0009849	unknown	ShapiroWilk
Beryllium (mg/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001058	0.0005786	unknown	ShapiroWilk
Beryllium (mg/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	39	0.001165	0.0008798	unknown	ShapiroWilk
Beryllium (mg/L)	**MW-201A**	**Yes**	**0.00033**	**5/6/2025**	**NP (nrm)**	**NaN**	**30**	**0.001338**	**0.0008225**	**unknown**	**ShapiroWilk**
Beryllium (mg/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.001062	0.0005994	unknown	ShapiroWilk
Beryllium (mg/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.001062	0.0005994	unknown	ShapiroWilk
Beryllium (mg/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.001062	0.0005994	unknown	ShapiroWilk
Beryllium (mg/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	0.001086	0.0005964	unknown	ShapiroWilk
Beryllium (mg/L)	MW-209B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.001301	0.0009968	unknown	ShapiroWilk
Beryllium (mg/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.001034	0.0006202	unknown	ShapiroWilk
Beryllium (mg/L)	MW-212A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.001179	0.0009039	unknown	ShapiroWilk
Beryllium (mg/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.001064	0.0006107	unknown	ShapiroWilk
Beryllium (mg/L)	MW-206A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.001176	0.0009072	unknown	ShapiroWilk
Beryllium (mg/L)	MW-207A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.001325	0.0009931	unknown	ShapiroWilk
Beryllium (mg/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001038	0.0006799	unknown	ShapiroWilk
Beryllium (mg/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001596	0.002279	unknown	ShapiroWilk
Beryllium (mg/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.001136	0.0008629	unknown	ShapiroWilk
Beryllium (mg/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.001388	0.001035	unknown	ShapiroWilk
Beryllium (mg/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.001214	0.0008133	unknown	ShapiroWilk
Beryllium (mg/L)	MW-306A	No	n/a	n/a	NP (nrm)	NaN	8	0.001	0	unknown	ShapiroWilk
Beryllium (mg/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	17	0.001451	0.001236	unknown	ShapiroWilk
Beryllium (mg/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.001257	0.001151	unknown	ShapiroWilk
Beryllium (mg/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.001201	0.000883	unknown	ShapiroWilk
Beryllium (mg/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	24	0.001207	0.0008735	unknown	ShapiroWilk
Beryllium (mg/L)	MW-216A	No	n/a	n/a	NP (nrm)	NaN	30	0.002159	0.002258	unknown	ShapiroWilk
Beryllium (mg/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.00147	0.001264	unknown	ShapiroWilk
Beryllium (mg/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001355	0.001069	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Beryllium (mg/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001326	0.00109	unknown	ShapiroWilk
Beryllium (mg/L)	**MW-220A**	**Yes**	**0.00565**	**2/4/2013**	**NP (nrm)**	**NaN**	**30**	**0.001616**	**0.001335**	**unknown**	**ShapiroWilk**
Beryllium (mg/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	7	0.002286	0.001604	unknown	ShapiroWilk
Beryllium (mg/L)	MW-408	No	n/a	n/a	EPA 1989	0.05	8	0.00147	0.001601	ln(x)	ShapiroWilk
Beryllium (mg/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.001958	0.001714	unknown	ShapiroWilk
Cadmium (mg/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	37	0.000...	0.0009422	unknown	ShapiroWilk
Cadmium (mg/L)	MW-1A	No	n/a	n/a	NP (nrm)	NaN	36	0.000...	0.000803	unknown	ShapiroWilk
Cadmium (mg/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.000...	0.000828	unknown	ShapiroWilk
Cadmium (mg/L)	MW-2A-97	No	n/a	n/a	NP (nrm)	NaN	36	0.000...	0.0008227	unknown	ShapiroWilk
Cadmium (mg/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	29	0.000...	0.0008936	unknown	ShapiroWilk
Cadmium (mg/L)	MW-6B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.000...	0.0008021	unknown	ShapiroWilk
Cadmium (mg/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	29	0.000...	0.0008852	unknown	ShapiroWilk
Cadmium (mg/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	29	0.000...	0.0008915	unknown	ShapiroWilk
Cadmium (mg/L)	MW-10B	No	n/a	n/a	NP (nrm)	NaN	13	0.001015	0.001055	unknown	ShapiroWilk
Cadmium (mg/L)	MW-11B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.000...	0.0008152	unknown	ShapiroWilk
Cadmium (mg/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	27	0.000...	0.0009398	unknown	ShapiroWilk
Cadmium (mg/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	29	0.000773	0.0009215	unknown	ShapiroWilk
Cadmium (mg/L)	MW-15A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.001458	0.001047	unknown	ShapiroWilk
Cadmium (mg/L)	MW-16A	No	n/a	n/a	NP (nrm)	NaN	36	0.000...	0.0008188	unknown	ShapiroWilk
Cadmium (mg/L)	**MW-17A-00**	**Yes**	**0.0025,0.002...**	**2/27/2008,5/12/2008,7/...**	**NP (nrm)**	**NaN**	**29**	**0.000...**	**0.0008632**	**unknown**	**ShapiroWilk**
Cadmium (mg/L)	**MW-18A-07**	**Yes**	**0.0025,0.002...**	**2/27/2008,5/12/2008,7/...**	**NP (nrm)**	**NaN**	**29**	**0.000...**	**0.0008589**	**unknown**	**ShapiroWilk**
Cadmium (mg/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	29	0.000...	0.0008714	unknown	ShapiroWilk
Cadmium (mg/L)	**MW-24A**	**Yes**	**0.0025,0.002...**	**2/27/2008,5/12/2008,7/...**	**NP (nrm)**	**NaN**	**29**	**0.000...**	**0.0008715**	**unknown**	**ShapiroWilk**
Cadmium (mg/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.000...	0.0007957	unknown	ShapiroWilk
Cadmium (mg/L)	**MW-29A**	**Yes**	**0.0025,0.002...**	**2/27/2008,5/12/2008,7/...**	**NP (nrm)**	**NaN**	**29**	**0.000...**	**0.0008852**	**unknown**	**ShapiroWilk**
Cadmium (mg/L)	MW-31B	No	n/a	n/a	NP (nrm)	NaN	39	0.000728	0.0007872	unknown	ShapiroWilk
Cadmium (mg/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.000...	0.0009377	unknown	ShapiroWilk
Cadmium (mg/L)	MW-202A	No	n/a	n/a	NP (nrm)	NaN	29	0.000...	0.0009115	unknown	ShapiroWilk
Cadmium (mg/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	29	0.000...	0.0009233	unknown	ShapiroWilk
Cadmium (mg/L)	MW-204A	No	n/a	n/a	NP (nrm)	NaN	29	0.000...	0.0009351	unknown	ShapiroWilk
Cadmium (mg/L)	MW-208B	No	n/a	n/a	NP (nrm)	NaN	31	0.000...	0.001005	unknown	ShapiroWilk
Cadmium (mg/L)	MW-209B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.000...	0.0008477	unknown	ShapiroWilk
Cadmium (mg/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	32	0.001283	0.0008335	unknown	ShapiroWilk
Cadmium (mg/L)	MW-212A	No	n/a	n/a	NP (nrm)	NaN	36	0.000...	0.0009819	unknown	ShapiroWilk
Cadmium (mg/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.000...	0.0008542	unknown	ShapiroWilk
Cadmium (mg/L)	MW-206A	No	n/a	n/a	NP (nrm)	NaN	36	0.000...	0.0008569	unknown	ShapiroWilk
Cadmium (mg/L)	MW-207A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.000...	0.000844	unknown	ShapiroWilk
Cadmium (mg/L)	MW-214A	No	n/a	n/a	NP (nrm)	NaN	28	0.000...	0.0009293	unknown	ShapiroWilk
Cadmium (mg/L)	**MW-200A**	**Yes**	**0.0025,0.002...**	**3/3/2010,7/8/2010,9/13...**	**NP (nrm)**	**NaN**	**29**	**0.000...**	**0.0007948**	**unknown**	**ShapiroWilk**
Cadmium (mg/L)	**MW-205A**	**Yes**	**0.0025,0.002...**	**3/3/2010,7/8/2010,9/13...**	**NP (nrm)**	**NaN**	**29**	**0.000...**	**0.0008**	**unknown**	**ShapiroWilk**
Cadmium (mg/L)	MW-211B	No	n/a	n/a	NP (nrm)	NaN	35	0.000...	0.0009943	unknown	ShapiroWilk
Cadmium (mg/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	29	0.000...	0.0008363	unknown	ShapiroWilk
Cadmium (mg/L)	MW-306A	n/a	n/a	n/a	NP (nrm)	NaN	9	0.000...	0.0006667	unknown	ShapiroWilk
Cadmium (mg/L)	MW-310A	No	n/a	n/a	NP (nrm)	NaN	17	0.000...	0.0005463	unknown	ShapiroWilk
Cadmium (mg/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.000...	0.0002282	unknown	ShapiroWilk
Cadmium (mg/L)	**MW-38A (bg)**	**Yes**	**0.00173**	**10/7/2013**	**NP (nrm)**	**NaN**	**25**	**0.000...**	**0.0003232**	**unknown**	**ShapiroWilk**
Cadmium (mg/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	24	0.000322	0.0001919	unknown	ShapiroWilk
Cadmium (mg/L)	MW-216A	No	n/a	n/a	NP (nrm)	NaN	30	0.000...	0.0003771	unknown	ShapiroWilk
Cadmium (mg/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.000487	0.0003291	unknown	ShapiroWilk
Cadmium (mg/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.000...	0.000219	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Cadmium (mg/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.000...	0.0002172	unknown	ShapiroWilk
Cadmium (mg/L)	MW-220A	No	n/a	n/a	NP (nrm)	NaN	30	0.000...	0.0005596	unknown	ShapiroWilk
Cadmium (mg/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	7	0.000392	0.0003822	unknown	ShapiroWilk
Cadmium (mg/L)	MW-408	No	n/a	n/a	EPA 1989	0.05	8	0.000...	0.0002312	ln(x)	ShapiroWilk
Cadmium (mg/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.0004	0.0003338	unknown	ShapiroWilk
Chromium (mg/L)	MW-34A (bg)	No	n/a	n/a	NP (nrm)	NaN	33	0.03207	0.03957	unknown	ShapiroWilk
Chromium (mg/L)	MW-1A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.02459	0.03482	unknown	ShapiroWilk
Chromium (mg/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.02465	0.03536	unknown	ShapiroWilk
Chromium (mg/L)	MW-2A-97	n/a	n/a	n/a	NP (nrm)	NaN	36	0.02472	0.03474	unknown	ShapiroWilk
Chromium (mg/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.02865	0.03781	unknown	ShapiroWilk
Chromium (mg/L)	MW-6B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.02497	0.03469	unknown	ShapiroWilk
Chromium (mg/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	29	0.02982	0.03711	unknown	ShapiroWilk
Chromium (mg/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.02916	0.03745	unknown	ShapiroWilk
Chromium (mg/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.03554	0.04496	unknown	ShapiroWilk
Chromium (mg/L)	MW-11B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.02468	0.03477	unknown	ShapiroWilk
Chromium (mg/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	27	0.03128	0.038	unknown	ShapiroWilk
Chromium (mg/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.02925	0.03739	unknown	ShapiroWilk
Chromium (mg/L)	MW-15A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.052	0.04057	unknown	ShapiroWilk
Chromium (mg/L)	MW-16A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.02472	0.03474	unknown	ShapiroWilk
Chromium (mg/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	29	0.02937	0.03868	unknown	ShapiroWilk
Chromium (mg/L)	MW-18A-07	n/a	n/a	n/a	NP (nrm)	NaN	29	0.02918	0.03744	unknown	ShapiroWilk
Chromium (mg/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	29	0.0286	0.03834	unknown	ShapiroWilk
Chromium (mg/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.0293	0.03735	unknown	ShapiroWilk
Chromium (mg/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	36	0.02353	0.03555	unknown	ShapiroWilk
Chromium (mg/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.0293	0.03735	unknown	ShapiroWilk
Chromium (mg/L)	MW-31B	No	n/a	n/a	NP (nrm)	NaN	39	0.02355	0.03386	unknown	ShapiroWilk
Chromium (mg/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.04692	0.08524	unknown	ShapiroWilk
Chromium (mg/L)	MW-202A	No	n/a	n/a	NP (nrm)	NaN	29	0.03047	0.04067	unknown	ShapiroWilk
Chromium (mg/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	29	0.03175	0.04022	unknown	ShapiroWilk
Chromium (mg/L)	MW-204A	No	n/a	n/a	NP (nrm)	NaN	29	0.03179	0.03974	unknown	ShapiroWilk
Chromium (mg/L)	MW-208B	No	n/a	n/a	NP (nrm)	NaN	28	0.03244	0.04023	unknown	ShapiroWilk
Chromium (mg/L)	MW-209B	No	n/a	n/a	NP (nrm)	NaN	36	0.02503	0.03808	unknown	ShapiroWilk
Chromium (mg/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	29	0.03206	0.03953	unknown	ShapiroWilk
Chromium (mg/L)	MW-212A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.02714	0.0369	unknown	ShapiroWilk
Chromium (mg/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.02634	0.03653	unknown	ShapiroWilk
Chromium (mg/L)	MW-206A	No	n/a	n/a	NP (nrm)	NaN	36	0.02566	0.03771	unknown	ShapiroWilk
Chromium (mg/L)	MW-207A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.02707	0.03684	unknown	ShapiroWilk
Chromium (mg/L)	MW-214A	No	n/a	n/a	NP (nrm)	NaN	28	0.02902	0.03842	unknown	ShapiroWilk
Chromium (mg/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.05378	0.1659	unknown	ShapiroWilk
Chromium (mg/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.0261	0.03512	unknown	ShapiroWilk
Chromium (mg/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.02434	0.03342	unknown	ShapiroWilk
Chromium (mg/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.02676	0.03467	unknown	ShapiroWilk
Chromium (mg/L)	MW-306A	n/a	n/a	n/a	NP (nrm)	NaN	9	0.02889	0.02667	unknown	ShapiroWilk
Chromium (mg/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	17	0.01776	0.02251	unknown	ShapiroWilk
Chromium (mg/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.01196	0.008001	unknown	ShapiroWilk
Chromium (mg/L)	MW-38A (bg)	No	n/a	n/a	NP (nrm)	NaN	25	0.01106	0.01392	unknown	ShapiroWilk
Chromium (mg/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	24	0.009817	0.007204	unknown	ShapiroWilk
Chromium (mg/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.009513	0.008863	unknown	ShapiroWilk
Chromium (mg/L)	MW-217A	No	n/a	n/a	NP (nrm)	NaN	30	0.008736	0.01371	unknown	ShapiroWilk
Chromium (mg/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.009954	0.009051	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Chromium (mg/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.01033	0.008774	unknown	ShapiroWilk
Chromium (mg/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.01684	0.04308	unknown	ShapiroWilk
Chromium (mg/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	7	0.006286	0.001604	unknown	ShapiroWilk
Chromium (mg/L)	MW-408	No	n/a	n/a	EPA 1989	0.05	8	0.004475	0.002692	normal	ShapiroWilk
Chromium (mg/L)	MW-410	No	n/a	n/a	EPA 1989	0.05	8	0.00525	0.002704	normal	ShapiroWilk
Cobalt (mg/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	43	0.0106	0.009412	unknown	ShapiroWilk
Cobalt (mg/L)	MW-1A	No	n/a	n/a	NP (nrm)	NaN	37	0.008634	0.008307	unknown	ShapiroWilk
Cobalt (mg/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	36	0.00624	0.008757	unknown	ShapiroWilk
Cobalt (mg/L)	MW-2A-97	No	n/a	n/a	NP (nrm)	NaN	41	0.02216	0.004194	unknown	ShapiroWilk
Cobalt (mg/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	33	0.006943	0.008287	unknown	ShapiroWilk
Cobalt (mg/L)	MW-6B	No	n/a	n/a	NP (nrm)	NaN	40	0.04623	0.02121	unknown	ShapiroWilk
Cobalt (mg/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	34	0.005887	0.008111	unknown	ShapiroWilk
Cobalt (mg/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	34	0.00673	0.007708	unknown	ShapiroWilk
Cobalt (mg/L)	MW-10B	No	n/a	n/a	NP (nrm)	NaN	13	0.008003	0.009878	unknown	ShapiroWilk
Cobalt (mg/L)	MW-11B	No	n/a	n/a	NP (nrm)	NaN	37	0.006573	0.006912	unknown	ShapiroWilk
Cobalt (mg/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	31	0.008196	0.007419	unknown	ShapiroWilk
Cobalt (mg/L)	**MW-14B**	**Yes**	**0.00185,0.00...**	**4/16/2019,4/29/2024,4/...**	**NP (nrm)**	**NaN**	**33**	**0.008932**	**0.00612**	**unknown**	**ShapiroWilk**
Cobalt (mg/L)	MW-15A	No	n/a	n/a	NP (nrm)	NaN	16	0.01538	0.005195	unknown	ShapiroWilk
Cobalt (mg/L)	MW-16A	No	n/a	n/a	NP (nrm)	NaN	37	0.007968	0.008625	unknown	ShapiroWilk
Cobalt (mg/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	33	0.008606	0.01278	unknown	ShapiroWilk
Cobalt (mg/L)	MW-18A-07	No	n/a	n/a	NP (nrm)	NaN	37	0.009012	0.00797	unknown	ShapiroWilk
Cobalt (mg/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.007121	0.008815	unknown	ShapiroWilk
Cobalt (mg/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	35	0.01118	0.005024	unknown	ShapiroWilk
Cobalt (mg/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	37	0.006726	0.008846	unknown	ShapiroWilk
Cobalt (mg/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	37	0.007277	0.008565	unknown	ShapiroWilk
Cobalt (mg/L)	MW-31B	No	n/a	n/a	NP (nrm)	NaN	39	0.007287	0.008438	unknown	ShapiroWilk
Cobalt (mg/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.006746	0.008389	unknown	ShapiroWilk
Cobalt (mg/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.007111	0.009126	unknown	ShapiroWilk
Cobalt (mg/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.006914	0.008791	unknown	ShapiroWilk
Cobalt (mg/L)	MW-204A	No	n/a	n/a	NP (nrm)	NaN	35	0.005088	0.006405	unknown	ShapiroWilk
Cobalt (mg/L)	MW-208B	No	n/a	n/a	NP (nrm)	NaN	34	0.01315	0.006773	unknown	ShapiroWilk
Cobalt (mg/L)	MW-209B	No	n/a	n/a	NP (nrm)	NaN	39	0.006883	0.007863	unknown	ShapiroWilk
Cobalt (mg/L)	**MW-210B**	**Yes**	**0.02,0.02,0....**	**7/7/2009,9/2/2009,10/2...**	**NP (nrm)**	**NaN**	**35**	**0.00779**	**0.005188**	**unknown**	**ShapiroWilk**
Cobalt (mg/L)	MW-212A	No	n/a	n/a	NP (nrm)	NaN	38	0.02147	0.03297	unknown	ShapiroWilk
Cobalt (mg/L)	MW-215A	No	n/a	n/a	NP (nrm)	NaN	32	0.005531	0.007875	unknown	ShapiroWilk
Cobalt (mg/L)	MW-206A	n/a	n/a	n/a	NP (nrm)	NaN	39	0.006939	0.00895	unknown	ShapiroWilk
Cobalt (mg/L)	MW-207A	No	n/a	n/a	NP (nrm)	NaN	39	0.007219	0.008702	unknown	ShapiroWilk
Cobalt (mg/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.007192	0.008699	unknown	ShapiroWilk
Cobalt (mg/L)	MW-200A	No	n/a	n/a	NP (nrm)	NaN	37	0.006631	0.01587	unknown	ShapiroWilk
Cobalt (mg/L)	MW-205A	No	n/a	n/a	NP (nrm)	NaN	34	0.005841	0.008122	unknown	ShapiroWilk
Cobalt (mg/L)	MW-211B	No	n/a	n/a	EPA 1989	0.05	36	0.04001	0.04047	ln(x)	ShapiroWilk
Cobalt (mg/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	34	0.01168	0.008358	unknown	ShapiroWilk
Cobalt (mg/L)	MW-306A	No	n/a	n/a	NP (nrm)	NaN	12	0.00857	0.008561	unknown	ShapiroWilk
Cobalt (mg/L)	MW-310A	No	n/a	n/a	NP (nrm)	NaN	31	0.004698	0.007804	unknown	ShapiroWilk
Cobalt (mg/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.006478	0.008606	unknown	ShapiroWilk
Cobalt (mg/L)	MW-38A (bg)	No	n/a	n/a	NP (nrm)	NaN	25	0.003037	0.005598	unknown	ShapiroWilk
Cobalt (mg/L)	MW-39B (bg)	No	n/a	n/a	EPA 1989	0.05	24	0.002106	0.002513	ln(x)	ShapiroWilk
Cobalt (mg/L)	MW-216A	No	n/a	n/a	NP (nrm)	NaN	30	0.006807	0.01326	unknown	ShapiroWilk
Cobalt (mg/L)	MW-217A	No	n/a	n/a	NP (nrm)	NaN	30	0.007942	0.02521	unknown	ShapiroWilk
Cobalt (mg/L)	MW-218A	No	n/a	n/a	NP (nrm)	NaN	30	0.001519	0.00209	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Cobalt (mg/L)	MW-219A	No	n/a	n/a	NP (nrm)	NaN	30	0.001641	0.002154	unknown	ShapiroWilk
Cobalt (mg/L)	MW-220A	No	n/a	n/a	NP (nrm)	NaN	30	0.006108	0.01795	unknown	ShapiroWilk
Cobalt (mg/L)	MW-18AR	No	n/a	n/a	EPA 1989	0.05	14	0.001341	0.0007771	normal	ShapiroWilk
Cobalt (mg/L)	**MW-408**	**Yes**	**0.0189**	**10/14/2022**	**Dixon`s**	**0.05**	**8**	**0.002754**	**0.006531**	**ln(x)**	**ShapiroWilk**
Cobalt (mg/L)	MW-410	No	n/a	n/a	EPA 1989	0.05	12	0.000...	0.0007504	ln(x)	ShapiroWilk
Cobalt (mg/L)	MW-409	No	n/a	n/a	EPA 1989	0.05	14	0.008372	0.001309	normal	ShapiroWilk
Cobalt (mg/L)	MW-7C	No	n/a	n/a	NP (nrm)	NaN	8	0.000...	0.0001837	unknown	ShapiroWilk
Cobalt (mg/L)	MW-2C-97	No	n/a	n/a	EPA 1989	0.05	16	0.005918	0.0008073	normal	ShapiroWilk
Copper (mg/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	37	0.01438	0.009749	unknown	ShapiroWilk
Copper (mg/L)	MW-1A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.01521	0.0195	unknown	ShapiroWilk
Copper (mg/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.0114	0.009308	unknown	ShapiroWilk
Copper (mg/L)	MW-2A-97	n/a	n/a	n/a	NP (nrm)	NaN	36	0.01308	0.0142	unknown	ShapiroWilk
Copper (mg/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	32	0.01243	0.009921	unknown	ShapiroWilk
Copper (mg/L)	MW-6B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.01225	0.011	unknown	ShapiroWilk
Copper (mg/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	35	0.01709	0.01767	unknown	ShapiroWilk
Copper (mg/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.01525	0.01309	unknown	ShapiroWilk
Copper (mg/L)	MW-10B	No	n/a	n/a	EPA 1989	0.05	13	0.0126	0.0126	ln(x)	ShapiroWilk
Copper (mg/L)	MW-11B	No	n/a	n/a	NP (nrm)	NaN	36	0.0116	0.009167	unknown	ShapiroWilk
Copper (mg/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	30	0.01364	0.009479	unknown	ShapiroWilk
Copper (mg/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	32	0.01238	0.009415	unknown	ShapiroWilk
Copper (mg/L)	MW-15A	No	n/a	n/a	NP (nrm)	NaN	15	0.03055	0.0188	unknown	ShapiroWilk
Copper (mg/L)	MW-16A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.01115	0.009221	unknown	ShapiroWilk
Copper (mg/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	32	0.01366	0.01249	unknown	ShapiroWilk
Copper (mg/L)	MW-18A-07	No	n/a	n/a	NP (nrm)	NaN	29	0.01493	0.0127	unknown	ShapiroWilk
Copper (mg/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	32	0.01522	0.01658	unknown	ShapiroWilk
Copper (mg/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.01147	0.009923	unknown	ShapiroWilk
Copper (mg/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.01209	0.009058	unknown	ShapiroWilk
Copper (mg/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.01159	0.009836	unknown	ShapiroWilk
Copper (mg/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	39	0.01968	0.02644	unknown	ShapiroWilk
Copper (mg/L)	MW-201A	No	n/a	n/a	NP (nrm)	NaN	34	0.01925	0.03611	unknown	ShapiroWilk
Copper (mg/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	32	0.01293	0.009656	unknown	ShapiroWilk
Copper (mg/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	32	0.01362	0.01101	unknown	ShapiroWilk
Copper (mg/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	32	0.01261	0.009151	unknown	ShapiroWilk
Copper (mg/L)	MW-208B	No	n/a	n/a	NP (nrm)	NaN	31	0.01163	0.009763	unknown	ShapiroWilk
Copper (mg/L)	MW-209B	No	n/a	n/a	NP (nrm)	NaN	36	0.01149	0.009708	unknown	ShapiroWilk
Copper (mg/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	32	0.01223	0.009468	unknown	ShapiroWilk
Copper (mg/L)	MW-212A	No	n/a	n/a	NP (nrm)	NaN	36	0.0155	0.02457	unknown	ShapiroWilk
Copper (mg/L)	MW-215A	No	n/a	n/a	NP (nrm)	NaN	30	0.01161	0.009384	unknown	ShapiroWilk
Copper (mg/L)	MW-206A	No	n/a	n/a	NP (nrm)	NaN	36	0.01138	0.009343	unknown	ShapiroWilk
Copper (mg/L)	MW-207A	No	n/a	n/a	NP (nrm)	NaN	36	0.0122	0.009587	unknown	ShapiroWilk
Copper (mg/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.01211	0.009245	unknown	ShapiroWilk
Copper (mg/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.02822	0.1022	unknown	ShapiroWilk
Copper (mg/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.01154	0.009281	unknown	ShapiroWilk
Copper (mg/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.01347	0.01648	unknown	ShapiroWilk
Copper (mg/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.01255	0.00941	unknown	ShapiroWilk
Copper (mg/L)	MW-306A	n/a	n/a	n/a	NP (nrm)	NaN	9	0.02056	0.001667	unknown	ShapiroWilk
Copper (mg/L)	MW-310A	No	n/a	n/a	NP (nrm)	NaN	17	0.01245	0.009011	unknown	ShapiroWilk
Copper (mg/L)	MW-312A	No	n/a	n/a	NP (nrm)	NaN	15	0.01102	0.008779	unknown	ShapiroWilk
Copper (mg/L)	MW-38A (bg)	No	n/a	n/a	NP (nrm)	NaN	25	0.009692	0.009847	unknown	ShapiroWilk
Copper (mg/L)	MW-39B (bg)	No	n/a	n/a	NP (nrm)	NaN	24	0.0082	0.007309	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Copper (mg/L)	MW-216A	No	n/a	n/a	NP (nrm)	NaN	30	0.01016	0.01268	unknown	ShapiroWilk
Copper (mg/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.01366	0.0236	unknown	ShapiroWilk
Copper (mg/L)	MW-218A	No	n/a	n/a	NP (nrm)	NaN	30	0.009331	0.009361	unknown	ShapiroWilk
Copper (mg/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.009561	0.009272	unknown	ShapiroWilk
Copper (mg/L)	MW-220A	No	n/a	n/a	NP (nrm)	NaN	30	0.03619	0.0955	unknown	ShapiroWilk
Copper (mg/L)	MW-18AR	No	n/a	n/a	NP (nrm)	NaN	14	0.003874	0.001344	unknown	ShapiroWilk
Copper (mg/L)	MW-408	No	n/a	n/a	Dixon`s	0.05	8	0.003811	0.001023	normal	ShapiroWilk
Copper (mg/L)	MW-410	No	n/a	n/a	EPA 1989	0.05	8	0.002795	0.001462	ln(x)	ShapiroWilk
Cyanide (mg/L)	MW-34A (bg)	No	n/a	n/a	NP (nrm)	NaN	7	0.01	0	unknown	ShapiroWilk
Cyanide (mg/L)	MW-1A	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-2A-97	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-6B	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-11B	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	4	0.00875	0.0025	unknown	ShapiroWilk
Cyanide (mg/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-16A	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-18A-07	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.01917	0.03734	unknown	ShapiroWilk
Cyanide (mg/L)	MW-31B	No	n/a	n/a	NP (nrm)	NaN	5	0.0087	0.002907	unknown	ShapiroWilk
Cyanide (mg/L)	MW-201A	No	n/a	n/a	NP (nrm)	NaN	4	0.008375	0.00325	unknown	ShapiroWilk
Cyanide (mg/L)	MW-202A	No	n/a	n/a	NP (nrm)	NaN	4	0.008375	0.00325	unknown	ShapiroWilk
Cyanide (mg/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	0.008375	0.00325	unknown	ShapiroWilk
Cyanide (mg/L)	MW-204A	No	n/a	n/a	NP (nrm)	NaN	4	0.008375	0.00325	unknown	ShapiroWilk
Cyanide (mg/L)	MW-208B	No	n/a	n/a	NP (nrm)	NaN	4	0.008375	0.00325	unknown	ShapiroWilk
Cyanide (mg/L)	MW-209B	No	n/a	n/a	NP (nrm)	NaN	4	0.008375	0.00325	unknown	ShapiroWilk
Cyanide (mg/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	0.008375	0.00325	unknown	ShapiroWilk
Cyanide (mg/L)	MW-212A	No	n/a	n/a	NP (nrm)	NaN	4	0.008375	0.00325	unknown	ShapiroWilk
Cyanide (mg/L)	MW-215A	No	n/a	n/a	NP (nrm)	NaN	4	0.008375	0.00325	unknown	ShapiroWilk
Cyanide (mg/L)	MW-206A	No	n/a	n/a	NP (nrm)	NaN	4	0.008375	0.00325	unknown	ShapiroWilk
Cyanide (mg/L)	MW-207A	No	n/a	n/a	NP (nrm)	NaN	4	0.008375	0.00325	unknown	ShapiroWilk
Cyanide (mg/L)	MW-214A	No	n/a	n/a	NP (nrm)	NaN	4	0.008375	0.00325	unknown	ShapiroWilk
Lead (mg/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	41	0.003093	0.001991	unknown	ShapiroWilk
Lead (mg/L)	MW-1A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.006308	0.01351	unknown	ShapiroWilk
Lead (mg/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.002357	0.001966	unknown	ShapiroWilk
Lead (mg/L)	MW-2A-97	n/a	n/a	n/a	NP (nrm)	NaN	36	0.003045	0.003625	unknown	ShapiroWilk
Lead (mg/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	32	0.00257	0.002343	unknown	ShapiroWilk
Lead (mg/L)	MW-6B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.002641	0.002305	unknown	ShapiroWilk
Lead (mg/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	35	0.006482	0.008959	unknown	ShapiroWilk
Lead (mg/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	35	0.007501	0.01294	unknown	ShapiroWilk
Lead (mg/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.00293	0.002108	unknown	ShapiroWilk
Lead (mg/L)	MW-11B	n/a	n/a	n/a	NP (nrm)	NaN	39	0.003441	0.004156	unknown	ShapiroWilk
Lead (mg/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.002639	0.001945	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Lead (mg/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	32	0.002479	0.001975	unknown	ShapiroWilk
Lead (mg/L)	MW-15A	No	n/a	n/a	NP (nrm)	NaN	18	0.009725	0.008871	unknown	ShapiroWilk
Lead (mg/L)	MW-16A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.002426	0.001982	unknown	ShapiroWilk
Lead (mg/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	32	0.00251	0.002024	unknown	ShapiroWilk
Lead (mg/L)	MW-18A-07	n/a	n/a	n/a	NP (nrm)	NaN	29	0.002576	0.001978	unknown	ShapiroWilk
Lead (mg/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	32	0.003621	0.006604	unknown	ShapiroWilk
Lead (mg/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.002452	0.002177	unknown	ShapiroWilk
Lead (mg/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.002579	0.001982	unknown	ShapiroWilk
Lead (mg/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.002447	0.001959	unknown	ShapiroWilk
Lead (mg/L)	MW-31B	No	n/a	n/a	NP (nrm)	NaN	39	0.003377	0.003386	unknown	ShapiroWilk
Lead (mg/L)	MW-201A	No	n/a	n/a	NP (nrm)	NaN	37	0.01352	0.03157	unknown	ShapiroWilk
Lead (mg/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	32	0.002604	0.002482	unknown	ShapiroWilk
Lead (mg/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	32	0.002706	0.002635	unknown	ShapiroWilk
Lead (mg/L)	MW-204A	No	n/a	n/a	NP (nrm)	NaN	32	0.002368	0.002054	unknown	ShapiroWilk
Lead (mg/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	34	0.002675	0.002094	unknown	ShapiroWilk
Lead (mg/L)	MW-209B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.002704	0.002889	unknown	ShapiroWilk
Lead (mg/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.002887	0.00227	unknown	ShapiroWilk
Lead (mg/L)	MW-212A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.003724	0.006119	unknown	ShapiroWilk
Lead (mg/L)	MW-215A	No	n/a	n/a	NP (nrm)	NaN	30	0.002396	0.001783	unknown	ShapiroWilk
Lead (mg/L)	MW-206A	n/a	n/a	n/a	NP (nrm)	NaN	39	0.00293	0.00251	unknown	ShapiroWilk
Lead (mg/L)	MW-207A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.002589	0.002111	unknown	ShapiroWilk
Lead (mg/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.00391	0.003467	unknown	ShapiroWilk
Lead (mg/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.01163	0.05062	unknown	ShapiroWilk
Lead (mg/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	34	0.002969	0.003258	unknown	ShapiroWilk
Lead (mg/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.003787	0.006835	unknown	ShapiroWilk
Lead (mg/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	34	0.003548	0.003626	unknown	ShapiroWilk
Lead (mg/L)	MW-306A	n/a	n/a	n/a	NP (nrm)	NaN	9	0.004111	0.0003333	unknown	ShapiroWilk
Lead (mg/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	17	0.003005	0.001739	unknown	ShapiroWilk
Lead (mg/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.002806	0.001749	unknown	ShapiroWilk
Lead (mg/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.002014	0.001934	unknown	ShapiroWilk
Lead (mg/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	24	0.002413	0.003036	unknown	ShapiroWilk
Lead (mg/L)	MW-216A	No	n/a	n/a	NP (nrm)	NaN	30	0.003998	0.005526	unknown	ShapiroWilk
Lead (mg/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.003609	0.007938	unknown	ShapiroWilk
Lead (mg/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.002075	0.002001	unknown	ShapiroWilk
Lead (mg/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.002193	0.002493	unknown	ShapiroWilk
Lead (mg/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.003285	0.004521	unknown	ShapiroWilk
Lead (mg/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	0.001684	0.001794	unknown	ShapiroWilk
Lead (mg/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.001361	0.001636	unknown	ShapiroWilk
Lead (mg/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.001761	0.001856	unknown	ShapiroWilk
Mercury (mg/L)	MW-1A	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-2A-97	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-6B	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-11B	No	n/a	n/a	NP (nrm)	NaN	5	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	4	0.000275	0.00015	unknown	ShapiroWilk
Mercury (mg/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-16A	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Mercury (mg/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-18A-07	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-31B	No	n/a	n/a	NP (nrm)	NaN	5	0.000182	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-201A	No	n/a	n/a	NP (nrm)	NaN	4	0.000...	0.000045	unknown	ShapiroWilk
Mercury (mg/L)	MW-202A	No	n/a	n/a	NP (nrm)	NaN	4	0.000...	0.000045	unknown	ShapiroWilk
Mercury (mg/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	0.000...	0.000045	unknown	ShapiroWilk
Mercury (mg/L)	MW-204A	No	n/a	n/a	NP (nrm)	NaN	4	0.000...	0.000045	unknown	ShapiroWilk
Mercury (mg/L)	MW-208B	No	n/a	n/a	NP (nrm)	NaN	4	0.000...	0.000045	unknown	ShapiroWilk
Mercury (mg/L)	MW-209B	No	n/a	n/a	NP (nrm)	NaN	4	0.000...	0.000045	unknown	ShapiroWilk
Mercury (mg/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	0.000...	0.000045	unknown	ShapiroWilk
Mercury (mg/L)	MW-212A	No	n/a	n/a	NP (nrm)	NaN	4	0.000...	0.000045	unknown	ShapiroWilk
Mercury (mg/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	4	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-206A	No	n/a	n/a	NP (nrm)	NaN	4	0.000...	0.000045	unknown	ShapiroWilk
Mercury (mg/L)	MW-207A	No	n/a	n/a	NP (nrm)	NaN	4	0.000...	0.000045	unknown	ShapiroWilk
Mercury (mg/L)	MW-214A	No	n/a	n/a	NP (nrm)	NaN	4	0.000...	0.000045	unknown	ShapiroWilk
Nickel (mg/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	40	0.0184	0.01994	unknown	ShapiroWilk
Nickel (mg/L)	MW-1A	No	n/a	n/a	NP (nrm)	NaN	36	0.01971	0.02242	unknown	ShapiroWilk
Nickel (mg/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.01453	0.01816	unknown	ShapiroWilk
Nickel (mg/L)	MW-2A-97	No	n/a	n/a	NP (nrm)	NaN	39	0.02341	0.01599	unknown	ShapiroWilk
Nickel (mg/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	32	0.01798	0.02052	unknown	ShapiroWilk
Nickel (mg/L)	MW-6B	No	n/a	n/a	NP (nrm)	NaN	39	0.02865	0.01521	unknown	ShapiroWilk
Nickel (mg/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	35	0.02103	0.0201	unknown	ShapiroWilk
Nickel (mg/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	35	0.01943	0.01902	unknown	ShapiroWilk
Nickel (mg/L)	MW-10B	No	n/a	n/a	NP (nrm)	NaN	13	0.01262	0.01797	unknown	ShapiroWilk
Nickel (mg/L)	MW-11B	No	n/a	n/a	NP (nrm)	NaN	39	0.02134	0.01525	unknown	ShapiroWilk
Nickel (mg/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	33	0.01941	0.01658	unknown	ShapiroWilk
Nickel (mg/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	35	0.01943	0.01794	unknown	ShapiroWilk
Nickel (mg/L)	MW-15A	No	n/a	n/a	NP (nrm)	NaN	18	0.04318	0.01164	unknown	ShapiroWilk
Nickel (mg/L)	MW-16A	No	n/a	n/a	NP (nrm)	NaN	39	0.01615	0.01809	unknown	ShapiroWilk
Nickel (mg/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	35	0.02	0.02919	unknown	ShapiroWilk
Nickel (mg/L)	MW-18A-07	No	n/a	n/a	NP (nrm)	NaN	32	0.01779	0.01919	unknown	ShapiroWilk
Nickel (mg/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	32	0.01944	0.02466	unknown	ShapiroWilk
Nickel (mg/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	38	0.01971	0.01757	unknown	ShapiroWilk
Nickel (mg/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	36	0.01762	0.02062	unknown	ShapiroWilk
Nickel (mg/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	36	0.01797	0.01839	unknown	ShapiroWilk
Nickel (mg/L)	MW-31B	No	n/a	n/a	NP (nrm)	NaN	39	0.01899	0.01978	unknown	ShapiroWilk
Nickel (mg/L)	MW-201A	No	n/a	n/a	NP (nrm)	NaN	34	0.02229	0.0374	unknown	ShapiroWilk
Nickel (mg/L)	MW-202A	No	n/a	n/a	NP (nrm)	NaN	32	0.01603	0.01864	unknown	ShapiroWilk
Nickel (mg/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	32	0.01813	0.02314	unknown	ShapiroWilk
Nickel (mg/L)	MW-204A	No	n/a	n/a	NP (nrm)	NaN	32	0.01962	0.0169	unknown	ShapiroWilk
Nickel (mg/L)	MW-208B	No	n/a	n/a	NP (nrm)	NaN	31	0.02348	0.01456	unknown	ShapiroWilk
Nickel (mg/L)	MW-209B	No	n/a	n/a	NP (nrm)	NaN	39	0.07973	0.03857	unknown	ShapiroWilk
Nickel (mg/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	32	0.02313	0.01359	unknown	ShapiroWilk
Nickel (mg/L)	MW-212A	No	n/a	n/a	EPA 1989	0.05	36	0.02496	0.03908	ln(x)	ShapiroWilk
Nickel (mg/L)	MW-215A	No	n/a	n/a	NP (nrm)	NaN	30	0.0156	0.01954	unknown	ShapiroWilk
Nickel (mg/L)	MW-206A	No	n/a	n/a	NP (nrm)	NaN	36	0.01388	0.0183	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Nickel (mg/L)	MW-207A	No	n/a	n/a	NP (nrm)	NaN	36	0.01469	0.01816	unknown	ShapiroWilk
Nickel (mg/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.01577	0.01898	unknown	ShapiroWilk
Nickel (mg/L)	MW-200A	No	n/a	n/a	NP (nrm)	NaN	37	0.03496	0.1009	unknown	ShapiroWilk
Nickel (mg/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	34	0.02963	0.03076	unknown	ShapiroWilk
Nickel (mg/L)	MW-211B	No	n/a	n/a	NP (nrm)	NaN	36	0.05421	0.03359	unknown	ShapiroWilk
Nickel (mg/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	34	0.02167	0.02012	unknown	ShapiroWilk
Nickel (mg/L)	MW-306A	n/a	n/a	n/a	NP (nrm)	NaN	13	0.02978	0.02278	unknown	ShapiroWilk
Nickel (mg/L)	MW-310A	No	n/a	n/a	NP (nrm)	NaN	17	0.02573	0.02366	unknown	ShapiroWilk
Nickel (mg/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.02556	0.0237	unknown	ShapiroWilk
Nickel (mg/L)	MW-38A (bg)	No	n/a	n/a	NP (nrm)	NaN	25	0.0242	0.03278	unknown	ShapiroWilk
Nickel (mg/L)	MW-39B (bg)	No	n/a	n/a	NP (nrm)	NaN	24	0.01649	0.02015	unknown	ShapiroWilk
Nickel (mg/L)	MW-216A	No	n/a	n/a	NP (nrm)	NaN	30	0.01777	0.02087	unknown	ShapiroWilk
Nickel (mg/L)	MW-217A	No	n/a	n/a	NP (nrm)	NaN	30	0.01924	0.02447	unknown	ShapiroWilk
Nickel (mg/L)	MW-218A	No	n/a	n/a	NP (nrm)	NaN	30	0.0197	0.02545	unknown	ShapiroWilk
Nickel (mg/L)	MW-219A	No	n/a	n/a	NP (nrm)	NaN	30	0.01962	0.02551	unknown	ShapiroWilk
Nickel (mg/L)	MW-220A	No	n/a	n/a	NP (nrm)	NaN	30	0.02317	0.03997	unknown	ShapiroWilk
Nickel (mg/L)	MW-18AR	No	n/a	n/a	EPA 1989	0.05	14	0.004471	0.00143	normal	ShapiroWilk
Nickel (mg/L)	**MW-408**	**Yes**	**0.0191**	**10/14/2022**	**Dixon`s**	**0.05**	**8**	**0.005257**	**0.00568**	**normal**	**ShapiroWilk**
Nickel (mg/L)	MW-410	No	n/a	n/a	EPA 1989	0.05	8	0.00396	0.001006	normal	ShapiroWilk
Selenium (mg/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	37	0.006051	0.002578	unknown	ShapiroWilk
Selenium (mg/L)	MW-1A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.00527	0.002464	unknown	ShapiroWilk
Selenium (mg/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.00548	0.00229	unknown	ShapiroWilk
Selenium (mg/L)	MW-2A-97	n/a	n/a	n/a	NP (nrm)	NaN	36	0.005337	0.002384	unknown	ShapiroWilk
Selenium (mg/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.005405	0.002725	unknown	ShapiroWilk
Selenium (mg/L)	**MW-6B**	**Yes**	**0.01,0.01,0....**	**2/27/2008,5/12/2008,7/...**	**NP (nrm)**	**NaN**	**36**	**0.005153**	**0.00254**	**unknown**	**ShapiroWilk**
Selenium (mg/L)	**MW-7B1**	**Yes**	**0.0014**	**5/6/2025**	**NP (nrm)**	**NaN**	**29**	**0.006241**	**0.003556**	**unknown**	**ShapiroWilk**
Selenium (mg/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.005703	0.002406	unknown	ShapiroWilk
Selenium (mg/L)	MW-10B	No	n/a	n/a	EPA 1989	0.05	14	0.00707	0.006743	ln(x)	ShapiroWilk
Selenium (mg/L)	MW-11B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.00539	0.002339	unknown	ShapiroWilk
Selenium (mg/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	27	0.005761	0.002475	unknown	ShapiroWilk
Selenium (mg/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.005714	0.002393	unknown	ShapiroWilk
Selenium (mg/L)	MW-15A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.007053	0.002499	unknown	ShapiroWilk
Selenium (mg/L)	**MW-16A**	**Yes**	**0.01,0.01,0....**	**2/27/2008,5/12/2008,7/...**	**NP (nrm)**	**NaN**	**36**	**0.005254**	**0.002441**	**unknown**	**ShapiroWilk**
Selenium (mg/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	29	0.005542	0.002593	unknown	ShapiroWilk
Selenium (mg/L)	MW-18A-07	n/a	n/a	n/a	NP (nrm)	NaN	29	0.005439	0.002669	unknown	ShapiroWilk
Selenium (mg/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	29	0.004899	0.003036	unknown	ShapiroWilk
Selenium (mg/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.005571	0.002548	unknown	ShapiroWilk
Selenium (mg/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.00547	0.002231	unknown	ShapiroWilk
Selenium (mg/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.005568	0.002546	unknown	ShapiroWilk
Selenium (mg/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	39	0.005346	0.002237	unknown	ShapiroWilk
Selenium (mg/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.005668	0.002881	unknown	ShapiroWilk
Selenium (mg/L)	MW-202A	No	n/a	n/a	NP (nrm)	NaN	29	0.004848	0.00333	unknown	ShapiroWilk
Selenium (mg/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	29	0.0056	0.002818	unknown	ShapiroWilk
Selenium (mg/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	32	0.006127	0.002632	unknown	ShapiroWilk
Selenium (mg/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	31	0.006223	0.002575	unknown	ShapiroWilk
Selenium (mg/L)	MW-209B	n/a	n/a	n/a	NP (nrm)	NaN	39	0.004727	0.003549	unknown	ShapiroWilk
Selenium (mg/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	32	0.006041	0.002718	unknown	ShapiroWilk
Selenium (mg/L)	MW-212A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.005241	0.00269	unknown	ShapiroWilk
Selenium (mg/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.005146	0.002729	unknown	ShapiroWilk
Selenium (mg/L)	MW-206A	No	n/a	n/a	NP (nrm)	NaN	39	0.005253	0.002968	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Selenium (mg/L)	MW-207A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.005491	0.002555	unknown	ShapiroWilk
Selenium (mg/L)	MW-214A	No	n/a	n/a	NP (nrm)	NaN	28	0.004677	0.003377	unknown	ShapiroWilk
Selenium (mg/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.005603	0.002169	unknown	ShapiroWilk
Selenium (mg/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.005339	0.002455	unknown	ShapiroWilk
Selenium (mg/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.005173	0.002329	unknown	ShapiroWilk
Selenium (mg/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.005397	0.002446	unknown	ShapiroWilk
Selenium (mg/L)	MW-306A	n/a	n/a	n/a	NP (nrm)	NaN	9	0.005556	0.001667	unknown	ShapiroWilk
Selenium (mg/L)	**MW-310A**	**Yes**	**0.01,0.002,0...**	**8/11/2011,5/2/2022,10/...**	**NP (nrm)**	**NaN**	**17**	**0.0046**	**0.001913**	**unknown**	**ShapiroWilk**
Selenium (mg/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.004455	0.001428	unknown	ShapiroWilk
Selenium (mg/L)	**MW-38A (bg)**	**Yes**	**0.001,0.0014**	**3/30/2020,5/9/2025**	**NP (nrm)**	**NaN**	**25**	**0.004386**	**0.001263**	**unknown**	**ShapiroWilk**
Selenium (mg/L)	MW-39B (bg)	No	n/a	n/a	NP (nrm)	NaN	24	0.004166	0.001339	unknown	ShapiroWilk
Selenium (mg/L)	MW-216A	No	n/a	n/a	NP (nrm)	NaN	30	0.003973	0.001614	unknown	ShapiroWilk
Selenium (mg/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.004627	0.0009421	unknown	ShapiroWilk
Selenium (mg/L)	MW-218A	No	n/a	n/a	NP (nrm)	NaN	30	0.004495	0.001144	unknown	ShapiroWilk
Selenium (mg/L)	MW-219A	No	n/a	n/a	NP (nrm)	NaN	30	0.004481	0.001187	unknown	ShapiroWilk
Selenium (mg/L)	MW-220A	No	n/a	n/a	NP (nrm)	NaN	30	0.00449	0.001158	unknown	ShapiroWilk
Selenium (mg/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	7	0.004571	0.0005345	unknown	ShapiroWilk
Selenium (mg/L)	**MW-408**	**Yes**	**0.0371**	**4/29/2024**	**Dixon`s**	**0.05**	**8**	**0.007849**	**0.01189**	**normal**	**ShapiroWilk**
Selenium (mg/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.003725	0.001508	unknown	ShapiroWilk
Silver (mg/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	36	0.01028	0.009317	unknown	ShapiroWilk
Silver (mg/L)	MW-1A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.007976	0.008477	unknown	ShapiroWilk
Silver (mg/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.007614	0.008357	unknown	ShapiroWilk
Silver (mg/L)	MW-2A-97	n/a	n/a	n/a	NP (nrm)	NaN	36	0.007972	0.008479	unknown	ShapiroWilk
Silver (mg/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.009345	0.008904	unknown	ShapiroWilk
Silver (mg/L)	MW-6B	n/a	n/a	n/a	NP (nrm)	NaN	39	0.008683	0.008732	unknown	ShapiroWilk
Silver (mg/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	29	0.009448	0.008821	unknown	ShapiroWilk
Silver (mg/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.009689	0.009595	unknown	ShapiroWilk
Silver (mg/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.005846	0.005825	unknown	ShapiroWilk
Silver (mg/L)	MW-11B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.007958	0.008491	unknown	ShapiroWilk
Silver (mg/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	27	0.01009	0.008806	unknown	ShapiroWilk
Silver (mg/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.009345	0.008904	unknown	ShapiroWilk
Silver (mg/L)	MW-15A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.017	0.005278	unknown	ShapiroWilk
Silver (mg/L)	MW-16A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.007935	0.008512	unknown	ShapiroWilk
Silver (mg/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	29	0.0107	0.01286	unknown	ShapiroWilk
Silver (mg/L)	MW-18A-07	n/a	n/a	n/a	NP (nrm)	NaN	29	0.009289	0.008961	unknown	ShapiroWilk
Silver (mg/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.01004	0.01041	unknown	ShapiroWilk
Silver (mg/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.009329	0.008921	unknown	ShapiroWilk
Silver (mg/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.00849	0.008633	unknown	ShapiroWilk
Silver (mg/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.009315	0.008935	unknown	ShapiroWilk
Silver (mg/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	39	0.008861	0.008797	unknown	ShapiroWilk
Silver (mg/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.01034	0.01049	unknown	ShapiroWilk
Silver (mg/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.01117	0.01156	unknown	ShapiroWilk
Silver (mg/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.01173	0.01159	unknown	ShapiroWilk
Silver (mg/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.01104	0.01038	unknown	ShapiroWilk
Silver (mg/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.011	0.01052	unknown	ShapiroWilk
Silver (mg/L)	MW-209B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.009707	0.009971	unknown	ShapiroWilk
Silver (mg/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.01104	0.01038	unknown	ShapiroWilk
Silver (mg/L)	MW-212A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.009323	0.009963	unknown	ShapiroWilk
Silver (mg/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.01001	0.009997	unknown	ShapiroWilk
Silver (mg/L)	MW-206A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.009347	0.00994	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Silver (mg/L)	MW-207A	n/a	n/a	n/a	NP (nrm)	NaN	36	0.009403	0.009895	unknown	ShapiroWilk
Silver (mg/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.01054	0.01021	unknown	ShapiroWilk
Silver (mg/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.01188	0.01048	unknown	ShapiroWilk
Silver (mg/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.01182	0.01055	unknown	ShapiroWilk
Silver (mg/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.009635	0.01023	unknown	ShapiroWilk
Silver (mg/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.0119	0.01046	unknown	ShapiroWilk
Silver (mg/L)	MW-306A	n/a	n/a	n/a	NP (nrm)	NaN	9	0.02056	0.001667	unknown	ShapiroWilk
Silver (mg/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	17	0.01182	0.009682	unknown	ShapiroWilk
Silver (mg/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.0104	0.00937	unknown	ShapiroWilk
Silver (mg/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.008046	0.01085	unknown	ShapiroWilk
Silver (mg/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	24	0.00675	0.008728	unknown	ShapiroWilk
Silver (mg/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.007067	0.008673	unknown	ShapiroWilk
Silver (mg/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.007021	0.008708	unknown	ShapiroWilk
Silver (mg/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.007704	0.01034	unknown	ShapiroWilk
Silver (mg/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.007733	0.01031	unknown	ShapiroWilk
Silver (mg/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.007037	0.008696	unknown	ShapiroWilk
Silver (mg/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	7	0.002286	0.001604	unknown	ShapiroWilk
Silver (mg/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.002	0.001669	unknown	ShapiroWilk
Silver (mg/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.002	0.001669	unknown	ShapiroWilk
Sulfide (mg/L)	MW-34A (bg)	No	n/a	n/a	NP (nrm)	NaN	12	1	0	unknown	ShapiroWilk
Sulfide (mg/L)	MW-1A	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk
Sulfide (mg/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	0.8462	0.3439	unknown	ShapiroWilk
Sulfide (mg/L)	MW-2A-97	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk
Sulfide (mg/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	5	0.7908	0.3351	unknown	ShapiroWilk
Sulfide (mg/L)	MW-6B	n/a	n/a	n/a	NP (nrm)	NaN	11	2.012	3.375	unknown	ShapiroWilk
Sulfide (mg/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	5	0.8462	0.3439	unknown	ShapiroWilk
Sulfide (mg/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	21	2.608	3.747	unknown	ShapiroWilk
Sulfide (mg/L)	MW-11B	No	n/a	n/a	NP (nrm)	NaN	5	0.8462	0.3439	unknown	ShapiroWilk
Sulfide (mg/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	4	0.775	0.45	unknown	ShapiroWilk
Sulfide (mg/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	5	0.8462	0.3439	unknown	ShapiroWilk
Sulfide (mg/L)	MW-16A	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk
Sulfide (mg/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk
Sulfide (mg/L)	MW-18A-07	No	n/a	n/a	NP (nrm)	NaN	11	0.6193	0.4394	unknown	ShapiroWilk
Sulfide (mg/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	11	0.9301	0.2319	unknown	ShapiroWilk
Sulfide (mg/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk
Sulfide (mg/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk
Sulfide (mg/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk
Sulfide (mg/L)	MW-31B	No	n/a	n/a	NP (nrm)	NaN	5	0.8462	0.3439	unknown	ShapiroWilk
Sulfide (mg/L)	MW-201A	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk
Sulfide (mg/L)	MW-202A	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk
Sulfide (mg/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk
Sulfide (mg/L)	MW-204A	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk
Sulfide (mg/L)	MW-208B	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk
Sulfide (mg/L)	MW-209B	No	n/a	n/a	NP (nrm)	NaN	23	2.877	3.111	unknown	ShapiroWilk
Sulfide (mg/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk
Sulfide (mg/L)	MW-212A	No	n/a	n/a	EPA 1989	0.05	4	0.7145	0.3672	normal	ShapiroWilk
Sulfide (mg/L)	MW-215A	No	n/a	n/a	EPA 1989	0.05	4	0.6423	0.4154	ln(x)	ShapiroWilk
Sulfide (mg/L)	MW-206A	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk
Sulfide (mg/L)	MW-207A	No	n/a	n/a	EPA 1989	0.05	13	1.368	2.664	ln(x)	ShapiroWilk
Sulfide (mg/L)	MW-214A	No	n/a	n/a	NP (nrm)	NaN	4	0.8078	0.3845	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Sulfide (mg/L)	MW-306A	No	n/a	n/a	EPA 1989	0.05	4	3.025	4.669	ln(x)	ShapiroWilk
Sulfide (mg/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	8	0.8875	0.3182	unknown	ShapiroWilk
Sulfide (mg/L)	MW-39B (bg)	No	n/a	n/a	NP (nrm)	NaN	4	1	0	unknown	ShapiroWilk
Sulfide (mg/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	23	1.448	2.062	unknown	ShapiroWilk
Sulfide (mg/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	14	1.338	2.529	unknown	ShapiroWilk
Sulfide (mg/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	14	2.279	4.091	unknown	ShapiroWilk
Sulfide (mg/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	12	1.391	2.873	unknown	ShapiroWilk
Sulfide (mg/L)	MW-407	No	n/a	n/a	EPA 1989	0.05	11	1.477	2.91	ln(x)	ShapiroWilk
Thallium (mg/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	36	0.001583	0.0005433	unknown	ShapiroWilk
Thallium (mg/L)	MW-1A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.001815	0.002068	unknown	ShapiroWilk
Thallium (mg/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.001422	0.0005839	unknown	ShapiroWilk
Thallium (mg/L)	MW-2A-97	n/a	n/a	n/a	NP (nrm)	NaN	37	0.001453	0.000795	unknown	ShapiroWilk
Thallium (mg/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001506	0.0006003	unknown	ShapiroWilk
Thallium (mg/L)	MW-6B	n/a	n/a	n/a	NP (nrm)	NaN	37	0.001551	0.0007474	unknown	ShapiroWilk
Thallium (mg/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001632	0.0007083	unknown	ShapiroWilk
Thallium (mg/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	31	0.001554	0.0005433	unknown	ShapiroWilk
Thallium (mg/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.001549	0.0006088	unknown	ShapiroWilk
Thallium (mg/L)	MW-11B	n/a	n/a	n/a	NP (nrm)	NaN	37	0.001476	0.0006074	unknown	ShapiroWilk
Thallium (mg/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.001552	0.0006586	unknown	ShapiroWilk
Thallium (mg/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001469	0.0006636	unknown	ShapiroWilk
Thallium (mg/L)	MW-15A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.0019	0.0004	unknown	ShapiroWilk
Thallium (mg/L)	MW-16A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.001506	0.000556	unknown	ShapiroWilk
Thallium (mg/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001532	0.0005584	unknown	ShapiroWilk
Thallium (mg/L)	MW-18A-07	n/a	n/a	n/a	NP (nrm)	NaN	30	0.0015	0.0006151	unknown	ShapiroWilk
Thallium (mg/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.00151	0.0005399	unknown	ShapiroWilk
Thallium (mg/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.001423	0.0006491	unknown	ShapiroWilk
Thallium (mg/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	37	0.001505	0.0005568	unknown	ShapiroWilk
Thallium (mg/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001532	0.0005584	unknown	ShapiroWilk
Thallium (mg/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	39	0.001269	0.0007718	unknown	ShapiroWilk
Thallium (mg/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	26	0.001423	0.0006264	unknown	ShapiroWilk
Thallium (mg/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.001499	0.0005635	unknown	ShapiroWilk
Thallium (mg/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.001499	0.0005635	unknown	ShapiroWilk
Thallium (mg/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.001499	0.0005635	unknown	ShapiroWilk
Thallium (mg/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	0.001418	0.0006635	unknown	ShapiroWilk
Thallium (mg/L)	MW-209B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.001686	0.001222	unknown	ShapiroWilk
Thallium (mg/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.001464	0.0006225	unknown	ShapiroWilk
Thallium (mg/L)	MW-212A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.001376	0.0006638	unknown	ShapiroWilk
Thallium (mg/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.001444	0.000625	unknown	ShapiroWilk
Thallium (mg/L)	MW-206A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.00139	0.0005922	unknown	ShapiroWilk
Thallium (mg/L)	MW-207A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.001538	0.0005903	unknown	ShapiroWilk
Thallium (mg/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.001519	0.0007889	unknown	ShapiroWilk
Thallium (mg/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.00154	0.0005453	unknown	ShapiroWilk
Thallium (mg/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.001533	0.0005435	unknown	ShapiroWilk
Thallium (mg/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.001394	0.0007606	unknown	ShapiroWilk
Thallium (mg/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.001461	0.0006062	unknown	ShapiroWilk
Thallium (mg/L)	MW-306A	No	n/a	n/a	NP (nrm)	NaN	8	0.002	0	unknown	ShapiroWilk
Thallium (mg/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	17	0.001655	0.0005629	unknown	ShapiroWilk
Thallium (mg/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.0015	0.0006582	unknown	ShapiroWilk
Thallium (mg/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.001351	0.0005682	unknown	ShapiroWilk
Thallium (mg/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	24	0.001399	0.0005262	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Thallium (mg/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001405	0.00054	unknown	ShapiroWilk
Thallium (mg/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001389	0.0005586	unknown	ShapiroWilk
Thallium (mg/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001405	0.00054	unknown	ShapiroWilk
Thallium (mg/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001405	0.00054	unknown	ShapiroWilk
Thallium (mg/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.001405	0.00054	unknown	ShapiroWilk
Thallium (mg/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	7	0.001429	0.0005345	unknown	ShapiroWilk
Thallium (mg/L)	MW-408	No	n/a	n/a	EPA 1989	0.05	8	0.00108	0.0006099	ln(x)	ShapiroWilk
Thallium (mg/L)	MW-410	No	n/a	n/a	EPA 1989	0.05	8	0.001155	0.000559	ln(x)	ShapiroWilk
Tin (mg/L)	MW-34A (bg)	No	n/a	n/a	NP (nrm)	NaN	8	0.1	0	unknown	ShapiroWilk
Tin (mg/L)	MW-1A	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-2A-97	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-6B	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-11B	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	23	0.08177	0.1196	unknown	ShapiroWilk
Tin (mg/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	6	0.05208	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-15A	n/a	n/a	n/a	NP (nrm)	NaN	11	0.1047	0.01085	unknown	ShapiroWilk
Tin (mg/L)	MW-16A	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-18A-07	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-31B	No	n/a	n/a	NP (nrm)	NaN	5	0.0425	0.0525	unknown	ShapiroWilk
Tin (mg/L)	MW-201A	No	n/a	n/a	NP (nrm)	NaN	4	0.02813	0.04793	unknown	ShapiroWilk
Tin (mg/L)	MW-202A	No	n/a	n/a	NP (nrm)	NaN	4	0.02813	0.04793	unknown	ShapiroWilk
Tin (mg/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	0.02813	0.04793	unknown	ShapiroWilk
Tin (mg/L)	**MW-204A**	**Yes**	**0.1**	**5/10/2010**	**Dixon`s**	**0.05**	**4**	**0.02766**	**0.04824**	**normal**	**ShapiroWilk**
Tin (mg/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	15	0.02229	0.03928	unknown	ShapiroWilk
Tin (mg/L)	**MW-209B**	**Yes**	**0.1**	**5/10/2010**	**Dixon`s**	**0.05**	**4**	**0.02757**	**0.0483**	**normal**	**ShapiroWilk**
Tin (mg/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	0.02813	0.04793	unknown	ShapiroWilk
Tin (mg/L)	MW-212A	No	n/a	n/a	NP (nrm)	NaN	4	0.02813	0.04793	unknown	ShapiroWilk
Tin (mg/L)	MW-215A	No	n/a	n/a	NP (nrm)	NaN	4	0.02813	0.04793	unknown	ShapiroWilk
Tin (mg/L)	MW-206A	No	n/a	n/a	NP (nrm)	NaN	4	0.02813	0.04793	unknown	ShapiroWilk
Tin (mg/L)	MW-207A	n/a	n/a	n/a	NP (nrm)	NaN	5	0.0445	0.05076	unknown	ShapiroWilk
Tin (mg/L)	MW-214A	No	n/a	n/a	NP (nrm)	NaN	4	0.02813	0.04793	unknown	ShapiroWilk
Tin (mg/L)	MW-39B (bg)	n/a	n/a	n/a	EPA 1989	0.05	4	0.08525	0.05613	unknown	ShapiroWilk
Vanadium (mg/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	36	0.02932	0.02246	unknown	ShapiroWilk
Vanadium (mg/L)	MW-1A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.02776	0.02843	unknown	ShapiroWilk
Vanadium (mg/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.02522	0.02177	unknown	ShapiroWilk
Vanadium (mg/L)	MW-2A-97	n/a	n/a	n/a	NP (nrm)	NaN	37	0.02579	0.02196	unknown	ShapiroWilk
Vanadium (mg/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	30	0.02701	0.02361	unknown	ShapiroWilk
Vanadium (mg/L)	MW-6B	No	n/a	n/a	NP (nrm)	NaN	37	0.02464	0.02312	unknown	ShapiroWilk
Vanadium (mg/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	0.02791	0.02285	unknown	ShapiroWilk
Vanadium (mg/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	34	0.03124	0.02382	unknown	ShapiroWilk
Vanadium (mg/L)	MW-10B	No	n/a	n/a	NP (nrm)	NaN	13	0.02472	0.02197	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Vanadium (mg/L)	MW-11B	n/a	n/a	n/a	NP (nrm)	NaN	37	0.02558	0.02217	unknown	ShapiroWilk
Vanadium (mg/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.03173	0.02181	unknown	ShapiroWilk
Vanadium (mg/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.02928	0.02271	unknown	ShapiroWilk
Vanadium (mg/L)	MW-15A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.05057	0.002275	unknown	ShapiroWilk
Vanadium (mg/L)	MW-16A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.0253	0.02247	unknown	ShapiroWilk
Vanadium (mg/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	30	0.03193	0.03215	unknown	ShapiroWilk
Vanadium (mg/L)	MW-18A-07	n/a	n/a	n/a	NP (nrm)	NaN	30	0.02915	0.02287	unknown	ShapiroWilk
Vanadium (mg/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	30	0.03015	0.02676	unknown	ShapiroWilk
Vanadium (mg/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.0265	0.02334	unknown	ShapiroWilk
Vanadium (mg/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	37	0.02512	0.02265	unknown	ShapiroWilk
Vanadium (mg/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.02901	0.02304	unknown	ShapiroWilk
Vanadium (mg/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	39	0.02495	0.02261	unknown	ShapiroWilk
Vanadium (mg/L)	MW-201A	No	n/a	n/a	NP (nrm)	NaN	26	0.02502	0.02386	unknown	ShapiroWilk
Vanadium (mg/L)	MW-202A	No	n/a	n/a	NP (nrm)	NaN	28	0.02682	0.02386	unknown	ShapiroWilk
Vanadium (mg/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.02938	0.02652	unknown	ShapiroWilk
Vanadium (mg/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.02761	0.02302	unknown	ShapiroWilk
Vanadium (mg/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	0.02687	0.02293	unknown	ShapiroWilk
Vanadium (mg/L)	MW-209B	No	n/a	n/a	NP (nrm)	NaN	35	0.02168	0.02138	unknown	ShapiroWilk
Vanadium (mg/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	28	0.02651	0.02417	unknown	ShapiroWilk
Vanadium (mg/L)	MW-212A	No	n/a	n/a	NP (nrm)	NaN	35	0.02341	0.02279	unknown	ShapiroWilk
Vanadium (mg/L)	MW-215A	No	n/a	n/a	NP (nrm)	NaN	27	0.02612	0.02372	unknown	ShapiroWilk
Vanadium (mg/L)	MW-206A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.02447	0.0217	unknown	ShapiroWilk
Vanadium (mg/L)	MW-207A	n/a	n/a	n/a	NP (nrm)	NaN	35	0.02393	0.02226	unknown	ShapiroWilk
Vanadium (mg/L)	MW-214A	No	n/a	n/a	NP (nrm)	NaN	27	0.02663	0.02321	unknown	ShapiroWilk
Vanadium (mg/L)	MW-200A	No	n/a	n/a	NP (nrm)	NaN	27	0.02929	0.03043	unknown	ShapiroWilk
Vanadium (mg/L)	MW-205A	No	n/a	n/a	NP (nrm)	NaN	27	0.02675	0.0233	unknown	ShapiroWilk
Vanadium (mg/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.02519	0.02805	unknown	ShapiroWilk
Vanadium (mg/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	27	0.02694	0.02309	unknown	ShapiroWilk
Vanadium (mg/L)	MW-306A	No	n/a	n/a	NP (nrm)	NaN	8	0.05	0	unknown	ShapiroWilk
Vanadium (mg/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	17	0.03105	0.02149	unknown	ShapiroWilk
Vanadium (mg/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.02852	0.02168	unknown	ShapiroWilk
Vanadium (mg/L)	MW-38A (bg)	No	n/a	n/a	NP (nrm)	NaN	25	0.02066	0.02715	unknown	ShapiroWilk
Vanadium (mg/L)	MW-39B (bg)	No	n/a	n/a	NP (nrm)	NaN	24	0.01652	0.02107	unknown	ShapiroWilk
Vanadium (mg/L)	MW-216A	No	n/a	n/a	NP (nrm)	NaN	30	0.0265	0.03691	unknown	ShapiroWilk
Vanadium (mg/L)	MW-217A	No	n/a	n/a	NP (nrm)	NaN	30	0.0249	0.03635	unknown	ShapiroWilk
Vanadium (mg/L)	MW-218A	No	n/a	n/a	NP (nrm)	NaN	30	0.02021	0.02587	unknown	ShapiroWilk
Vanadium (mg/L)	MW-219A	No	n/a	n/a	NP (nrm)	NaN	30	0.02064	0.02558	unknown	ShapiroWilk
Vanadium (mg/L)	MW-220A	No	n/a	n/a	EPA 1989	0.05	30	0.03413	0.07902	ln(x)	ShapiroWilk
Vanadium (mg/L)	MW-18AR	No	n/a	n/a	EPA 1989	0.05	7	0.01037	0.009134	ln(x)	ShapiroWilk
Vanadium (mg/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.009287	0.008148	unknown	ShapiroWilk
Vanadium (mg/L)	MW-410	No	n/a	n/a	EPA 1989	0.05	8	0.009456	0.008839	ln(x)	ShapiroWilk
Zinc (mg/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	41	0.04654	0.03832	unknown	ShapiroWilk
Zinc (mg/L)	MW-1A	No	n/a	n/a	NP (nrm)	NaN	36	0.04939	0.06094	unknown	ShapiroWilk
Zinc (mg/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	35	0.03553	0.03527	unknown	ShapiroWilk
Zinc (mg/L)	MW-2A-97	No	n/a	n/a	NP (nrm)	NaN	36	0.03693	0.03516	unknown	ShapiroWilk
Zinc (mg/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.05394	0.04301	unknown	ShapiroWilk
Zinc (mg/L)	**MW-6B**	**Yes**	**0.1795**	**10/7/2013**	**NP (nrm)**	**NaN**	**36**	**0.0383**	**0.03965**	**unknown**	**ShapiroWilk**
Zinc (mg/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	29	0.04605	0.04235	unknown	ShapiroWilk
Zinc (mg/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	32	0.0548	0.05549	unknown	ShapiroWilk
Zinc (mg/L)	MW-10B	No	n/a	n/a	NP (nrm)	NaN	13	0.04227	0.04029	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 7:55 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Zinc (mg/L)	MW-11B	No	n/a	n/a	NP (nrm)	NaN	36	0.03626	0.03543	unknown	ShapiroWilk
Zinc (mg/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	27	0.04233	0.03844	unknown	ShapiroWilk
Zinc (mg/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	29	0.04003	0.03815	unknown	ShapiroWilk
Zinc (mg/L)	MW-15A	No	n/a	n/a	EPA 1989	0.05	15	0.08635	0.05023	normal	ShapiroWilk
Zinc (mg/L)	MW-16A	No	n/a	n/a	NP (nrm)	NaN	36	0.0382	0.03395	unknown	ShapiroWilk
Zinc (mg/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	29	0.04137	0.03612	unknown	ShapiroWilk
Zinc (mg/L)	MW-18A-07	No	n/a	n/a	NP (nrm)	NaN	29	0.0506	0.05174	unknown	ShapiroWilk
Zinc (mg/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	29	0.04006	0.03536	unknown	ShapiroWilk
Zinc (mg/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	29	0.03914	0.03615	unknown	ShapiroWilk
Zinc (mg/L)	**MW-25A-00**	**Yes**	**0.1,0.1,0.1,...**	**2/27/2008,5/12/2008,7/...**	**NP (nrm)**	**NaN**	**36**	**0.03507**	**0.03427**	**unknown**	**ShapiroWilk**
Zinc (mg/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	29	0.03629	0.03417	unknown	ShapiroWilk
Zinc (mg/L)	**MW-31B**	**Yes**	**0.161**	**10/7/2013**	**NP (nrm)**	**NaN**	**39**	**0.03663**	**0.03603**	**unknown**	**ShapiroWilk**
Zinc (mg/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.06775	0.08852	unknown	ShapiroWilk
Zinc (mg/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.04968	0.0626	unknown	ShapiroWilk
Zinc (mg/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	32	0.04823	0.03924	unknown	ShapiroWilk
Zinc (mg/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.04771	0.04398	unknown	ShapiroWilk
Zinc (mg/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	31	0.0482	0.04143	unknown	ShapiroWilk
Zinc (mg/L)	MW-209B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.04722	0.04109	unknown	ShapiroWilk
Zinc (mg/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.04289	0.04122	unknown	ShapiroWilk
Zinc (mg/L)	MW-212A	No	n/a	n/a	NP (nrm)	NaN	38	0.04618	0.0418	unknown	ShapiroWilk
Zinc (mg/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.04234	0.03751	unknown	ShapiroWilk
Zinc (mg/L)	MW-206A	n/a	n/a	n/a	NP (nrm)	NaN	39	0.04485	0.04239	unknown	ShapiroWilk
Zinc (mg/L)	MW-207A	n/a	n/a	n/a	NP (nrm)	NaN	39	0.04185	0.03682	unknown	ShapiroWilk
Zinc (mg/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.07944	0.113	unknown	ShapiroWilk
Zinc (mg/L)	MW-200A	No	n/a	n/a	NP (nrm)	NaN	30	0.08022	0.2474	unknown	ShapiroWilk
Zinc (mg/L)	MW-205A	No	n/a	n/a	NP (nrm)	NaN	30	0.04143	0.0469	unknown	ShapiroWilk
Zinc (mg/L)	MW-211B	No	n/a	n/a	NP (nrm)	NaN	36	0.04569	0.04876	unknown	ShapiroWilk
Zinc (mg/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	30	0.03953	0.03633	unknown	ShapiroWilk
Zinc (mg/L)	MW-306A	No	n/a	n/a	NP (nrm)	NaN	10	0.0578	0.0415	unknown	ShapiroWilk
Zinc (mg/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	17	0.02669	0.02244	unknown	ShapiroWilk
Zinc (mg/L)	**MW-312A**	**Yes**	**0.0259,0.061...**	**3/30/2013,10/7/2013,10...**	**NP (nrm)**	**NaN**	**15**	**0.02217**	**0.01136**	**unknown**	**ShapiroWilk**
Zinc (mg/L)	**MW-38A (bg)**	**Yes**	**0.028,0.0403...**	**8/1/2012,2/4/2013,3/30...**	**NP (nrm)**	**NaN**	**25**	**0.02706**	**0.0328**	**unknown**	**ShapiroWilk**
Zinc (mg/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	24	0.01888	0.005196	unknown	ShapiroWilk
Zinc (mg/L)	MW-216A	No	n/a	n/a	NP (nrm)	NaN	30	0.0613	0.08023	unknown	ShapiroWilk
Zinc (mg/L)	**MW-217A**	**Yes**	**0.154,0.0895...**	**12/13/2012,2/4/2013,10...**	**NP (nrm)**	**NaN**	**30**	**0.03351**	**0.05513**	**unknown**	**ShapiroWilk**
Zinc (mg/L)	**MW-218A**	**Yes**	**0.08485**	**10/7/2013**	**NP (nrm)**	**NaN**	**30**	**0.02548**	**0.01629**	**unknown**	**ShapiroWilk**
Zinc (mg/L)	**MW-219A**	**Yes**	**0.0643,0.051...**	**12/13/2012,2/4/2013,3/...**	**NP (nrm)**	**NaN**	**30**	**0.02534**	**0.0171**	**unknown**	**ShapiroWilk**
Zinc (mg/L)	**MW-220A**	**Yes**	**0.54**	**12/13/2012**	**NP (nrm)**	**NaN**	**30**	**0.04767**	**0.09839**	**unknown**	**ShapiroWilk**
Zinc (mg/L)	MW-18AR	No	n/a	n/a	NP (nrm)	NaN	7	0.02	0	unknown	ShapiroWilk
Zinc (mg/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.01784	0.0041	unknown	ShapiroWilk
Zinc (mg/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.01649	0.004963	unknown	ShapiroWilk

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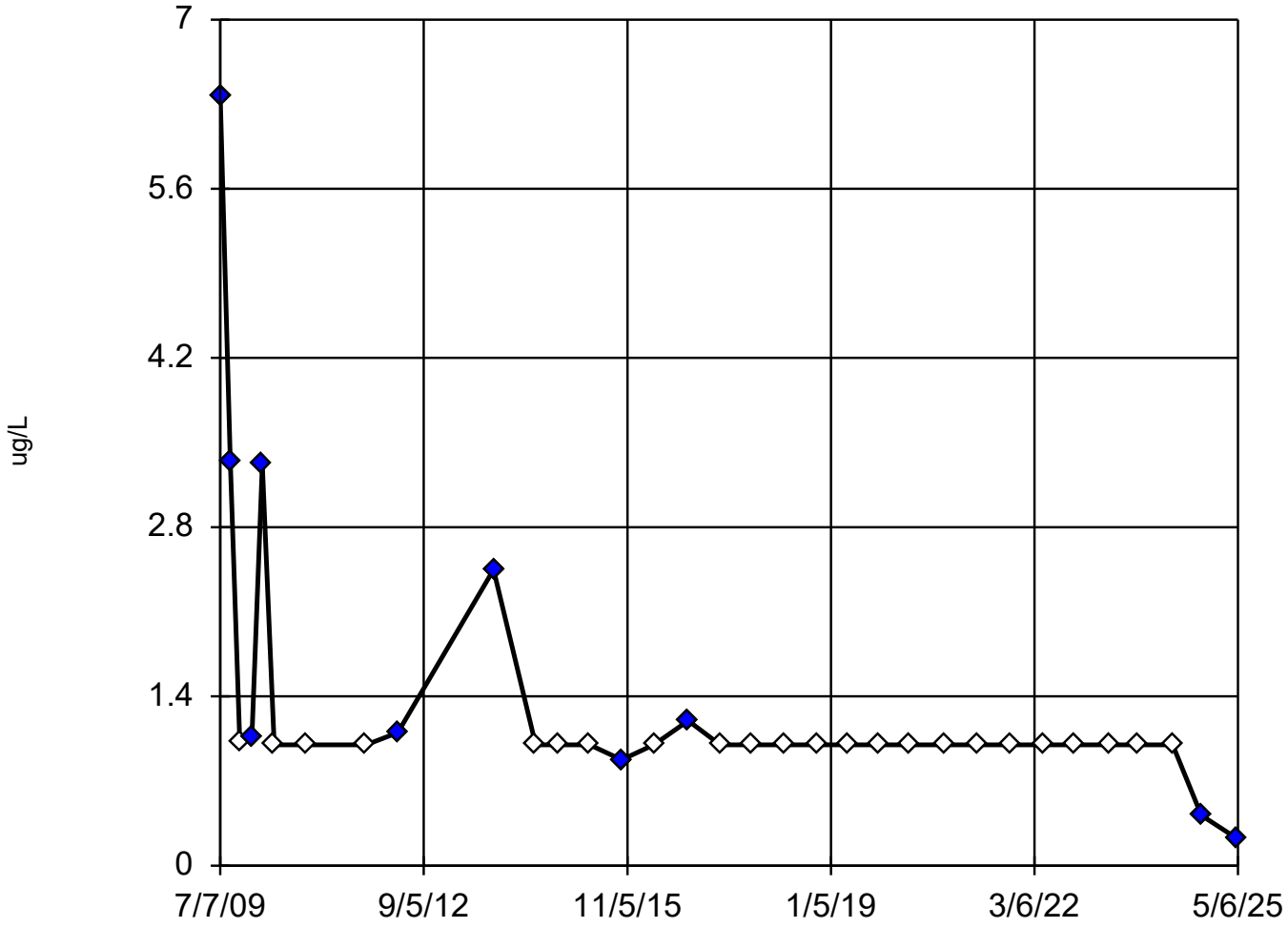
Tukey's Outlier Screening

MW-201A



n = 33

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.061, low cutoff = 0.9566, based on IQR multiplier of 3.

Constituent: 1,1-Dichloroethane Analysis Run 7/13/2025 10:56 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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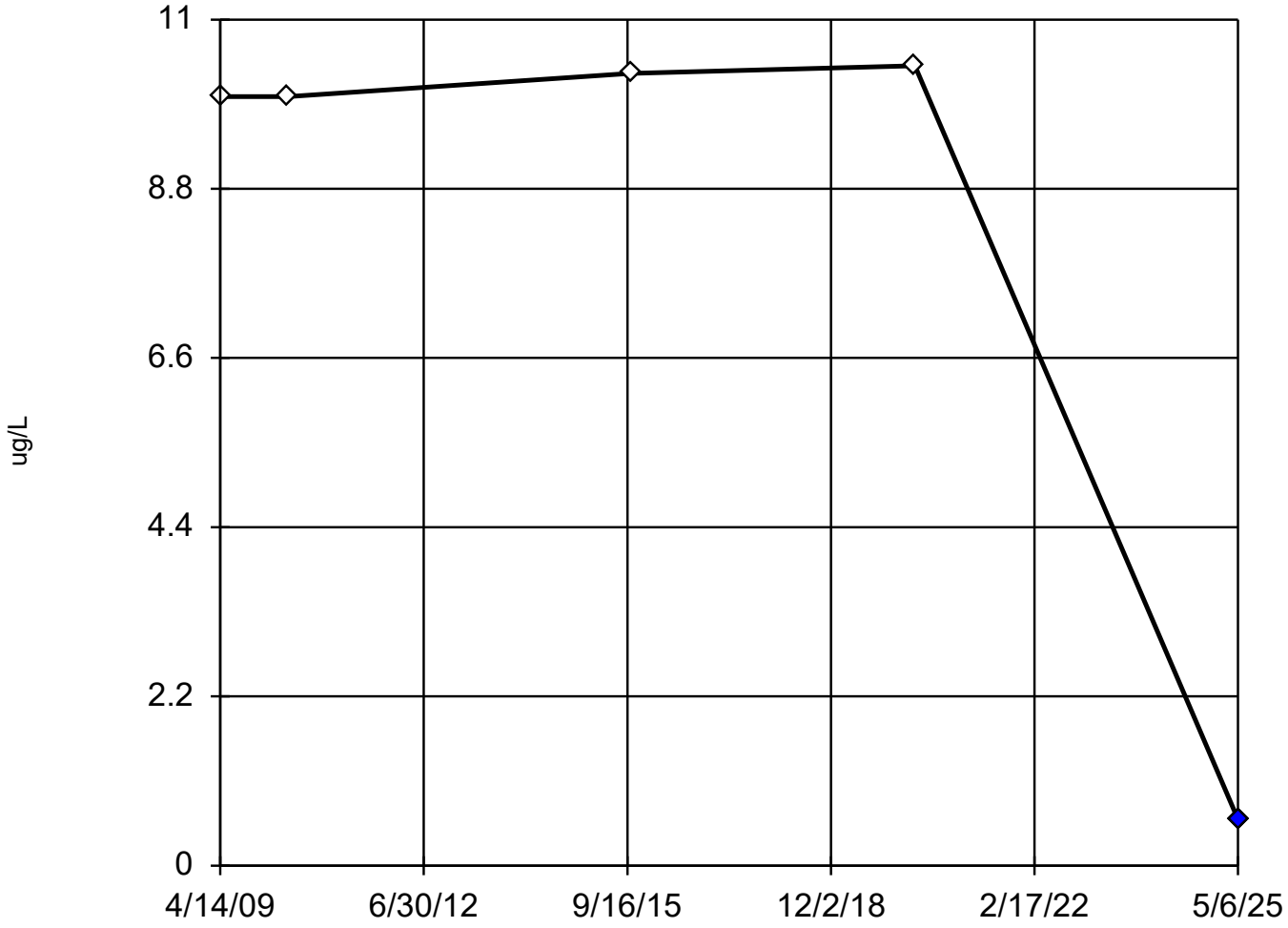
Dixon's Outlier Test

MW-5B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.261.
Std. Dev. = 4.284.
<0.604: c = 0.9592
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8294
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: 2,4-Dimethylphenol Analysis Run 7/13/2025 10:59 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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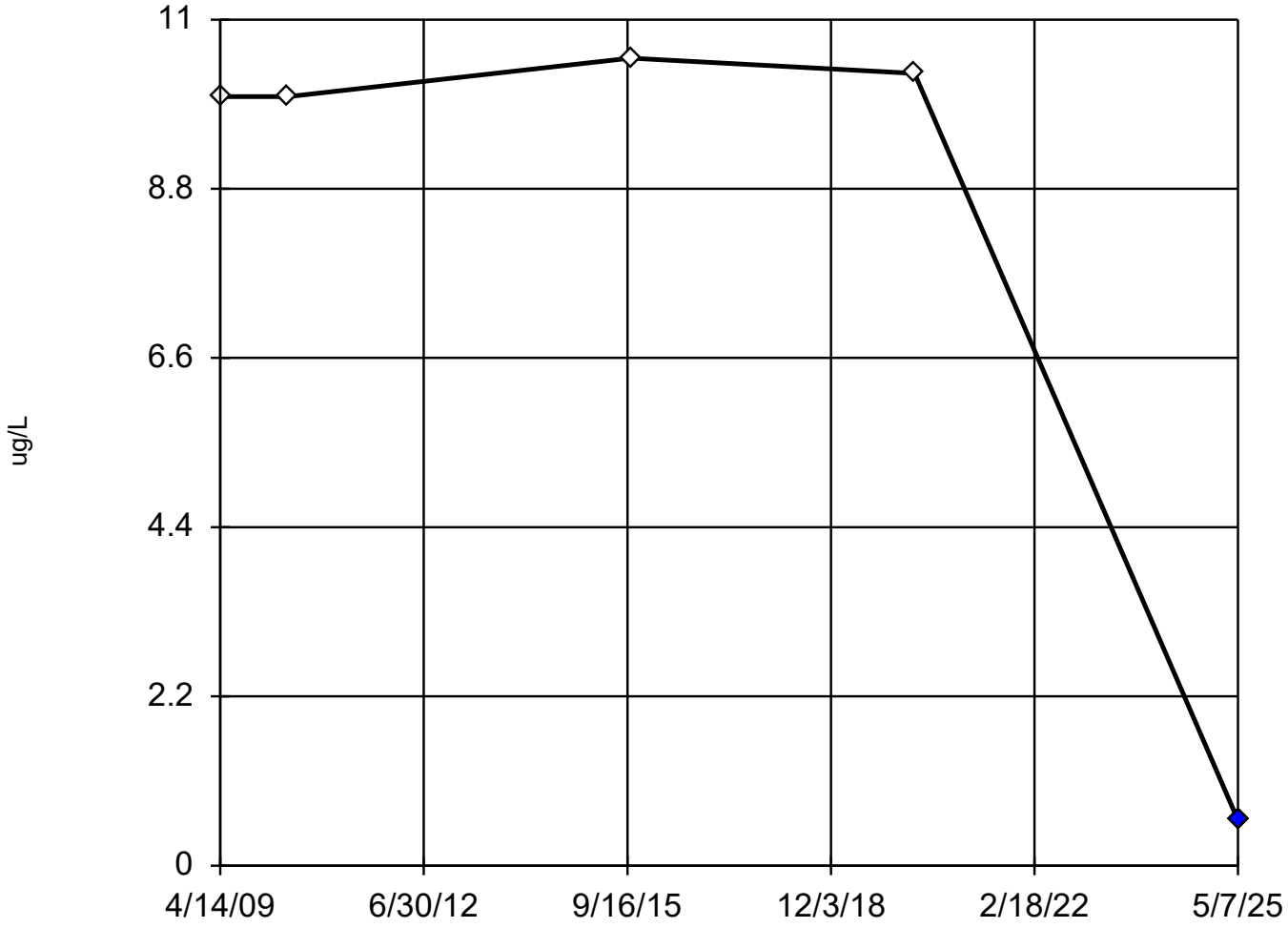
Dixon's Outlier Test

MW-24A



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.278.
Std. Dev. = 4.302.
<0.592: c = 0.9495
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.862
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: 2,4-Dimethylphenol Analysis Run 7/13/2025 11:00 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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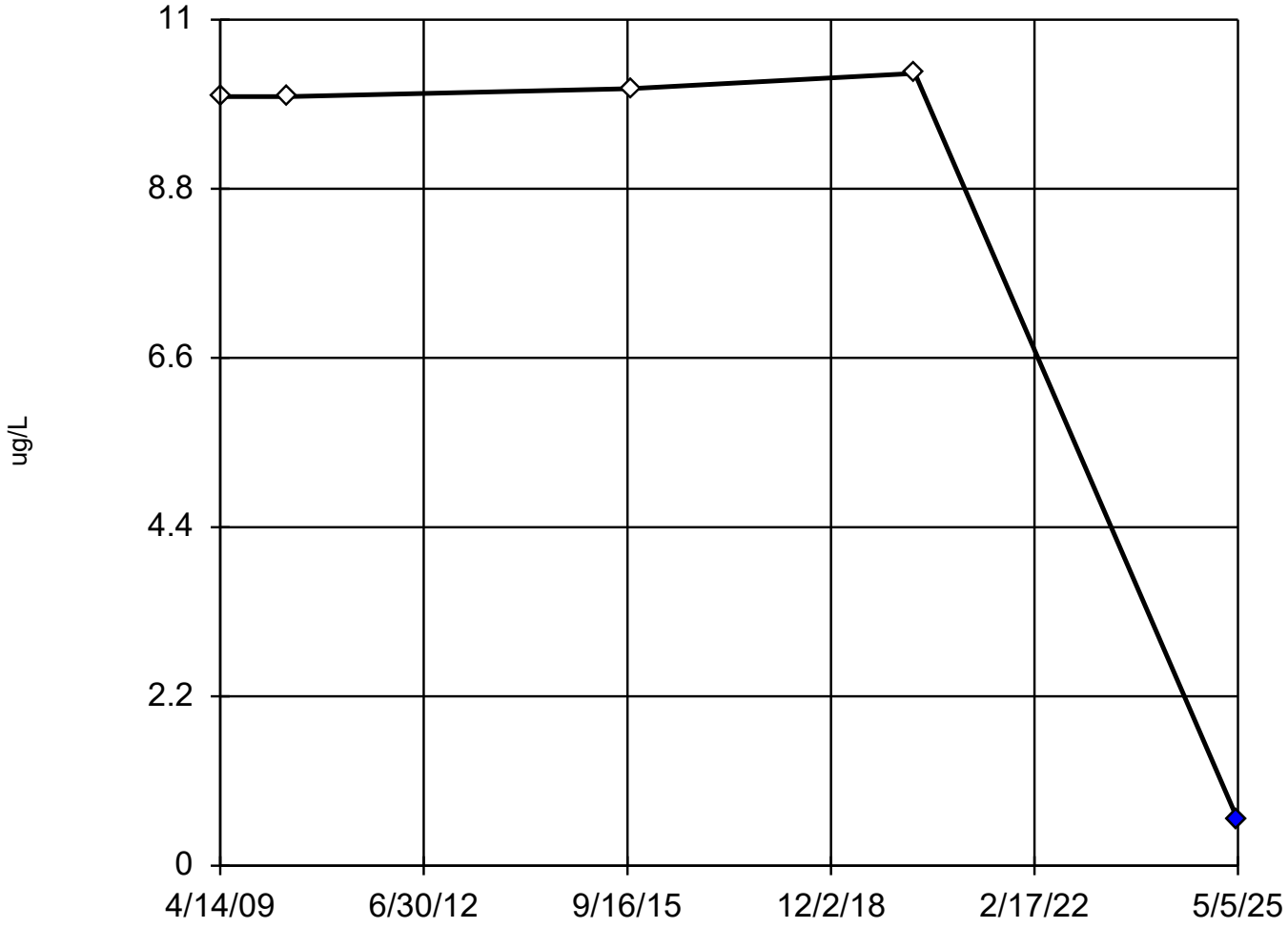
Dixon's Outlier Test

MW-29A



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.198.
Std. Dev. = 4.254.
<0.592: c = 0.9691
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8283
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: 2,4-Dimethylphenol Analysis Run 7/13/2025 11:00 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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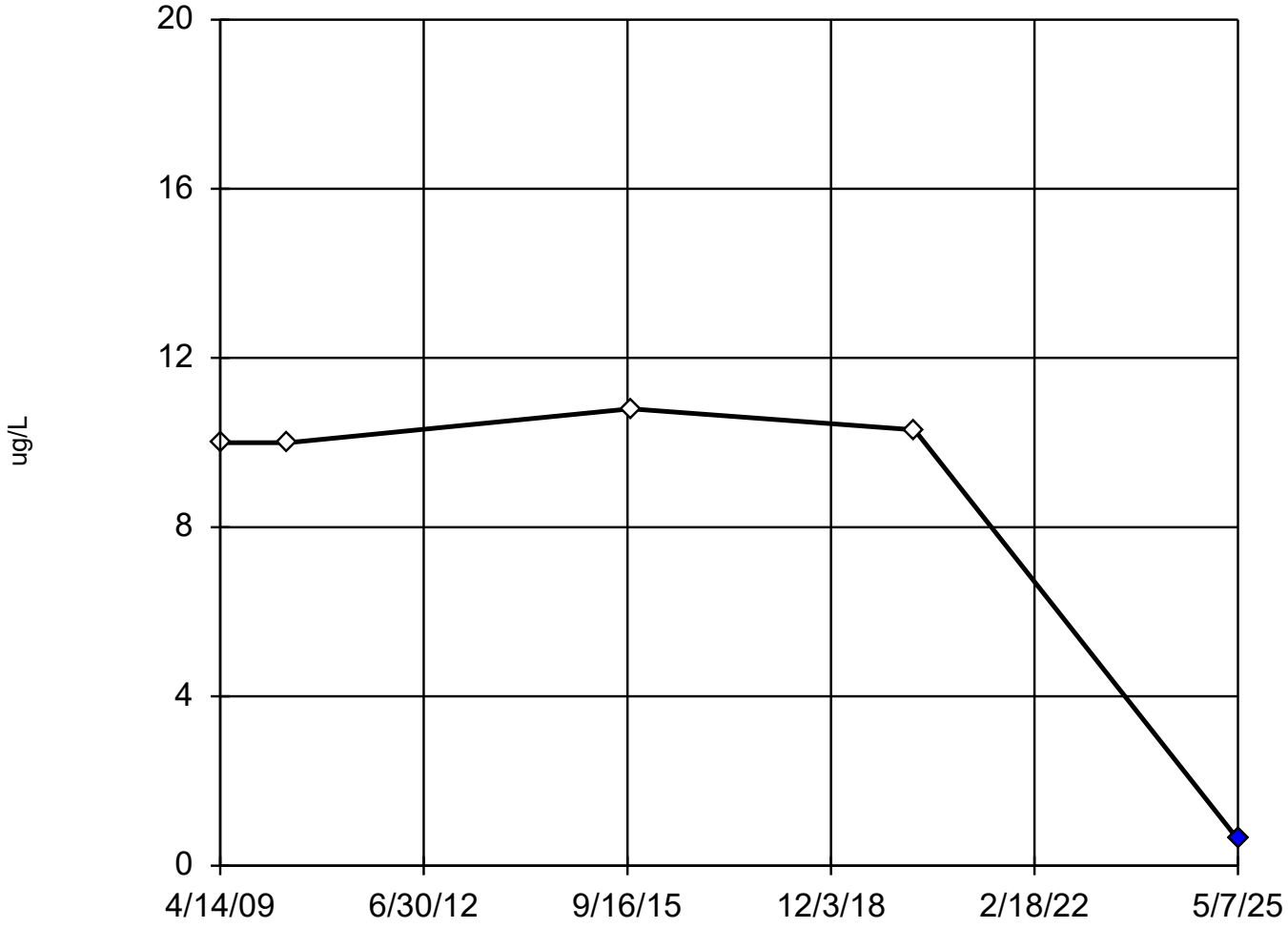
Dixon's Outlier Test

MW-31B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.343.
Std. Dev. = 4.332.
<0.617: c = 0.9214
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8423
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

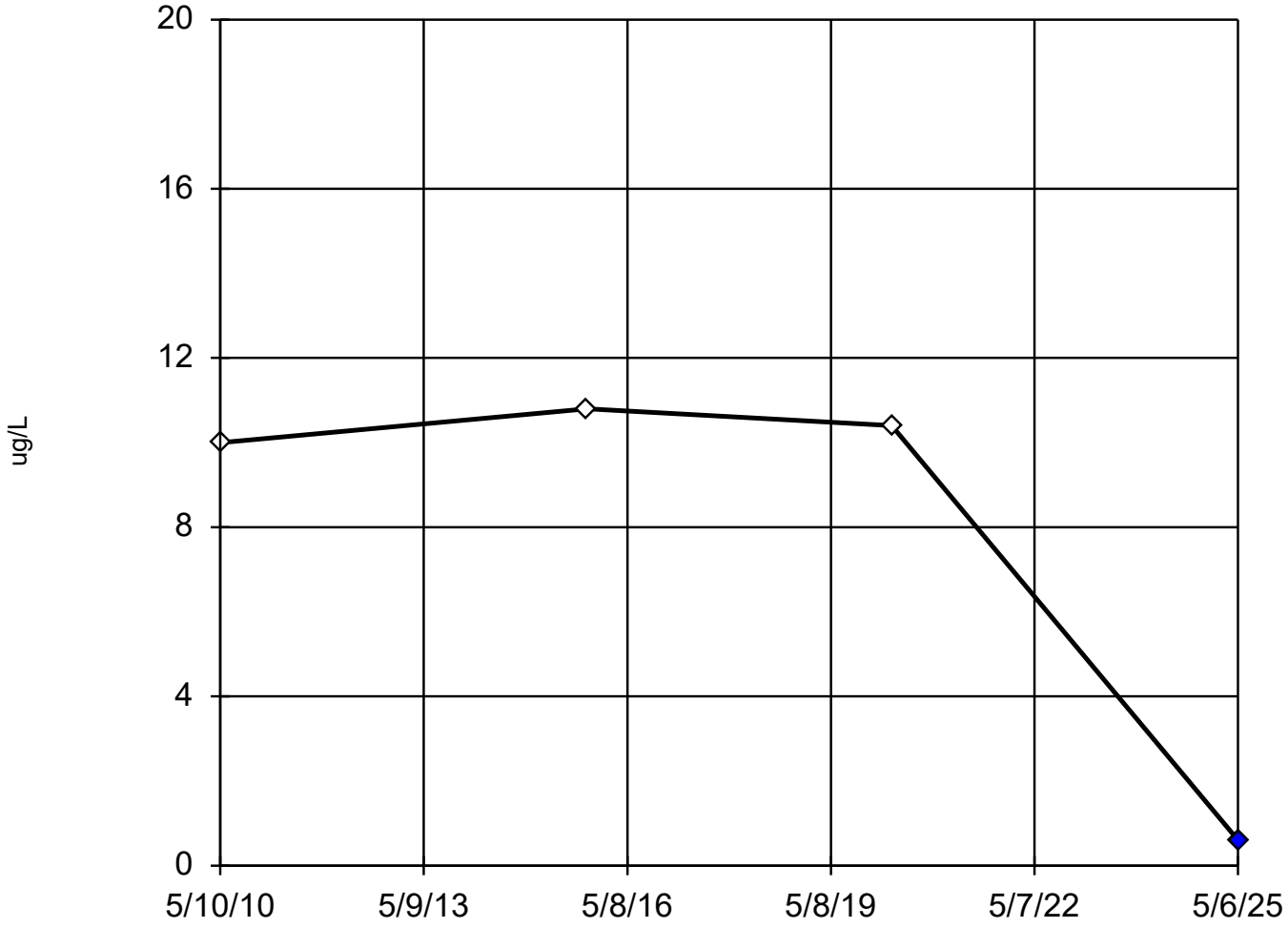
Constituent: 2,4-Dimethylphenol Analysis Run 7/13/2025 11:00 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-201A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.951.
Std. Dev. = 4.909.
<0.604: c = 0.9215
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 1
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

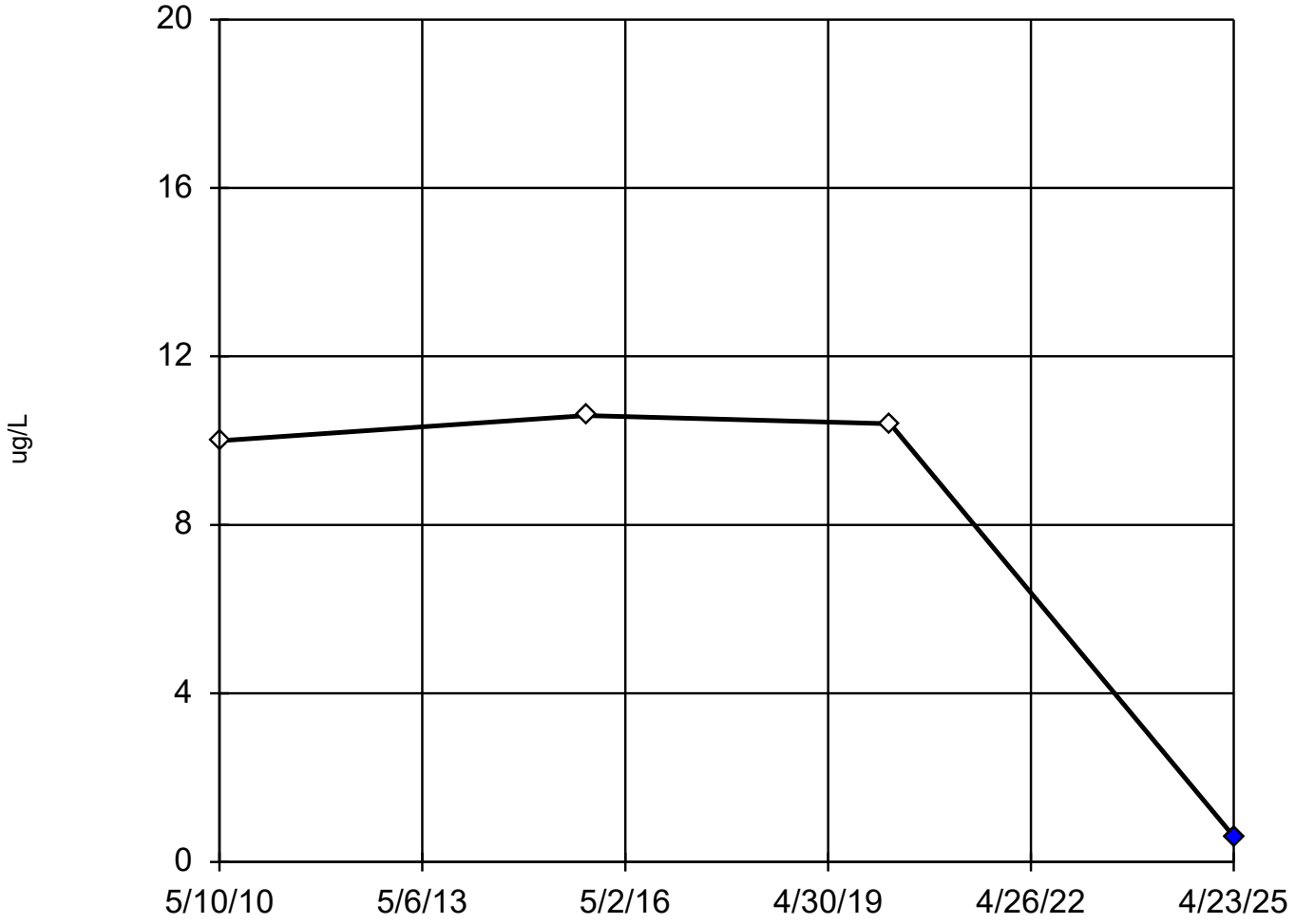
Constituent: 2,4-Dimethylphenol Analysis Run 7/13/2025 11:00 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-202A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.901.
Std. Dev. = 4.871.
<0.604: c = 0.94
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

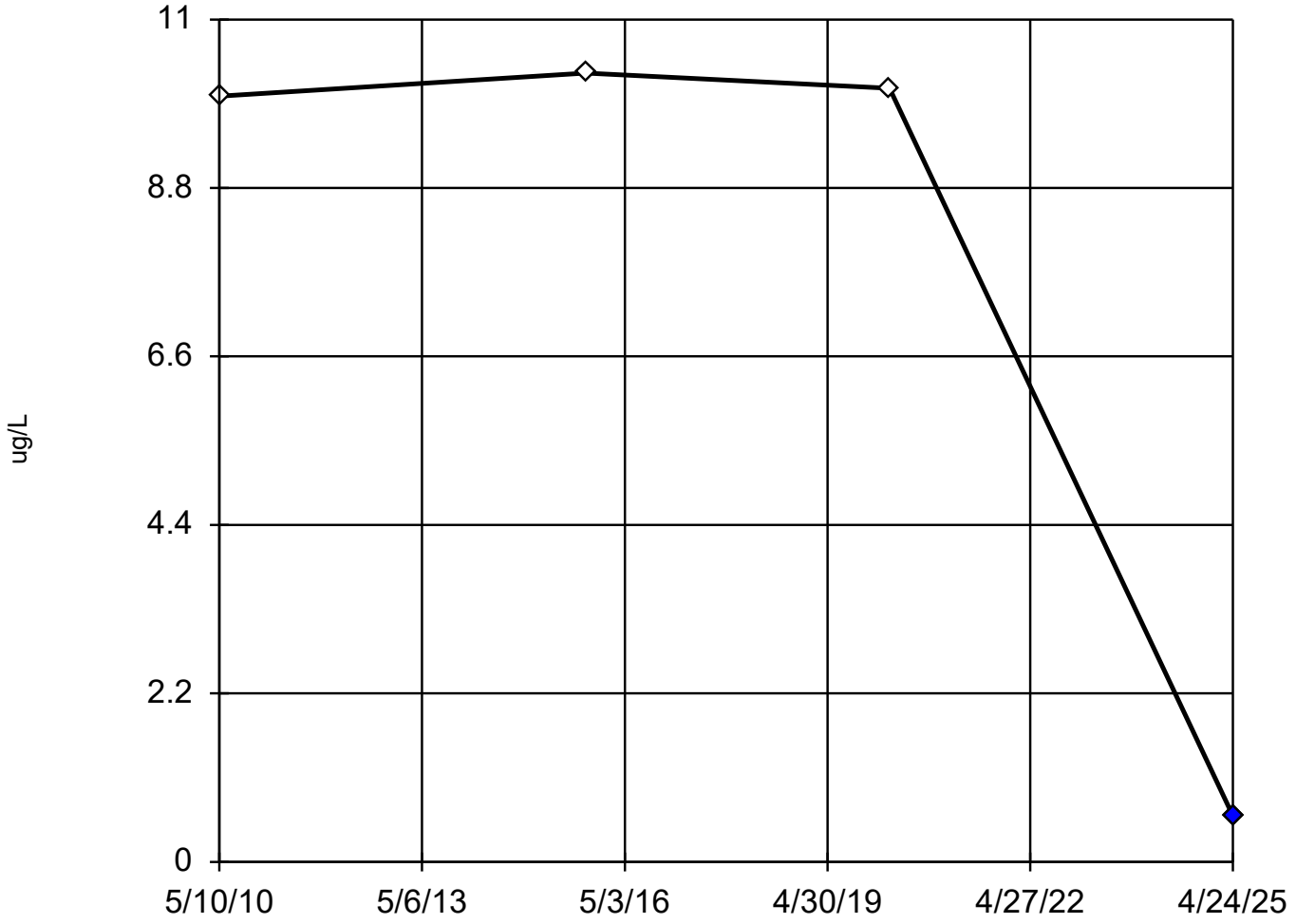
Constituent: 2,4-Dimethylphenol Analysis Run 7/13/2025 11:00 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.751.
Std. Dev. = 4.766.
<0.604: c = 0.9691
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

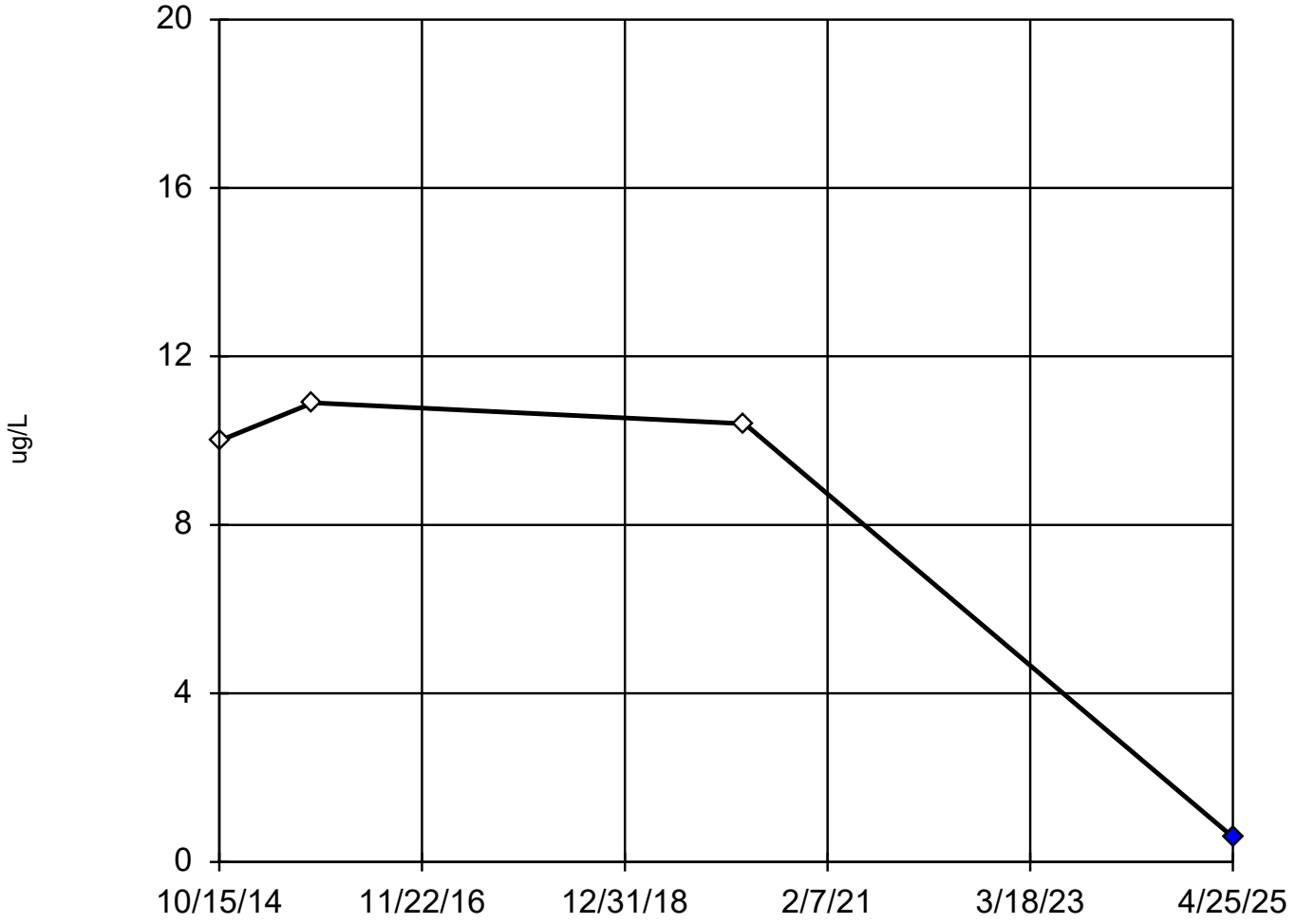
Constituent: 2,4-Dimethylphenol Analysis Run 7/13/2025 11:00 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-208B



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.973.
Std. Dev. = 4.934.
<0.592: c = 0.9127
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9959
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

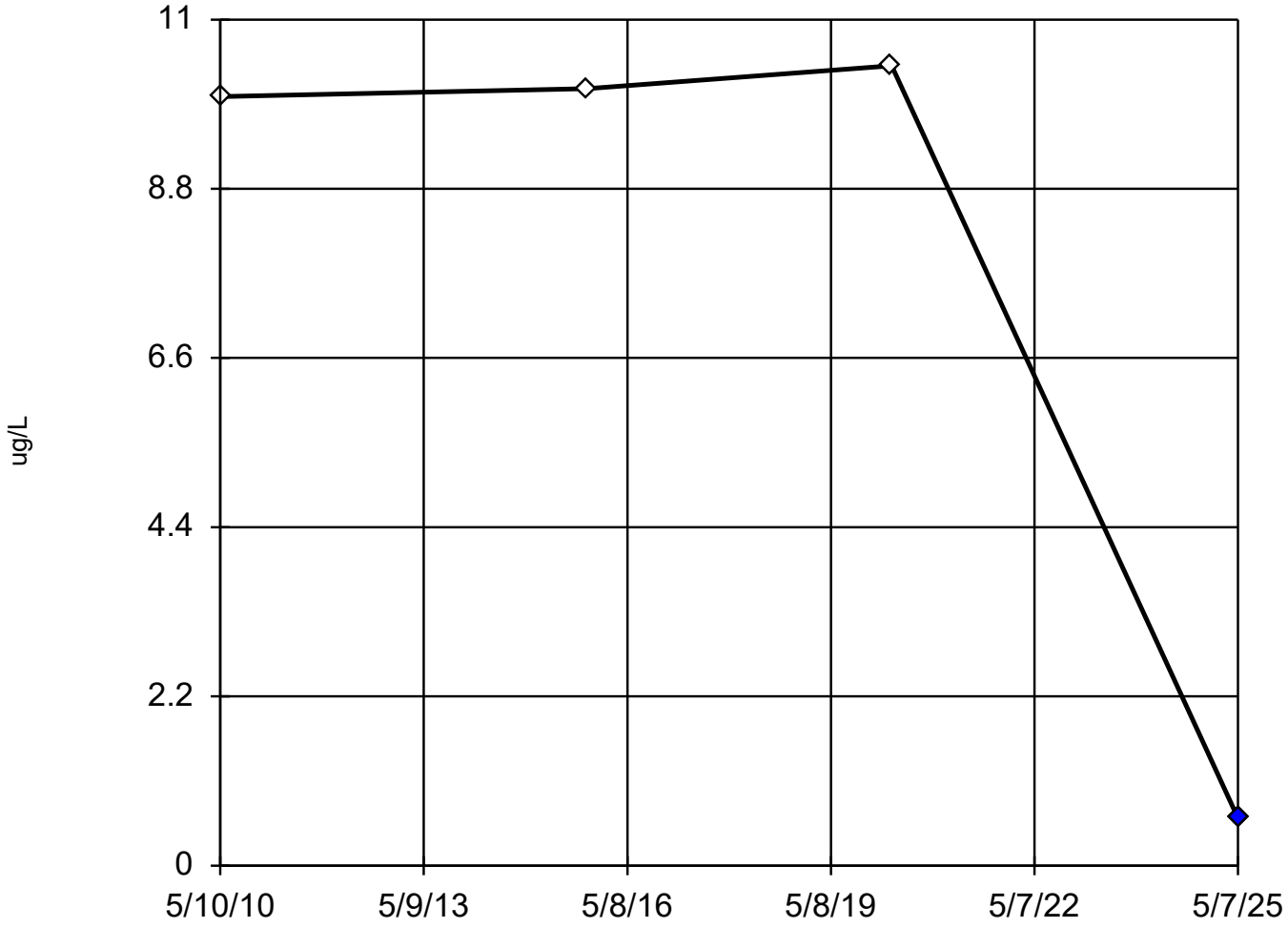
Constituent: 2,4-Dimethylphenol Analysis Run 7/13/2025 11:00 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-215A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.779.
Std. Dev. = 4.778.
<0.617: c = 0.9591
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9231
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

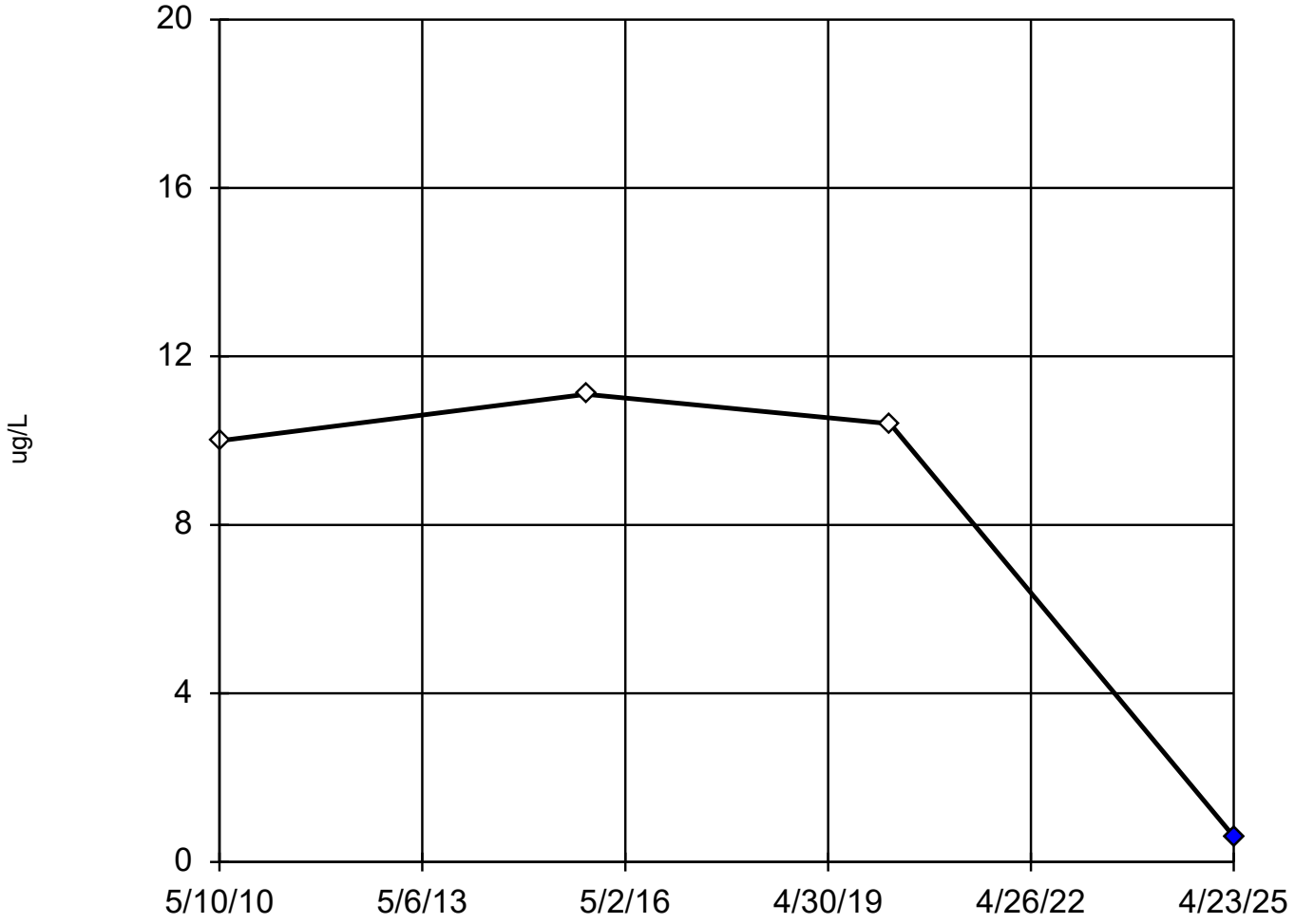
Constituent: 2,4-Dimethylphenol Analysis Run 7/13/2025 11:00 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-214A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.026.
Std. Dev. = 4.969.
<0.604: c = 0.8952
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9758
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

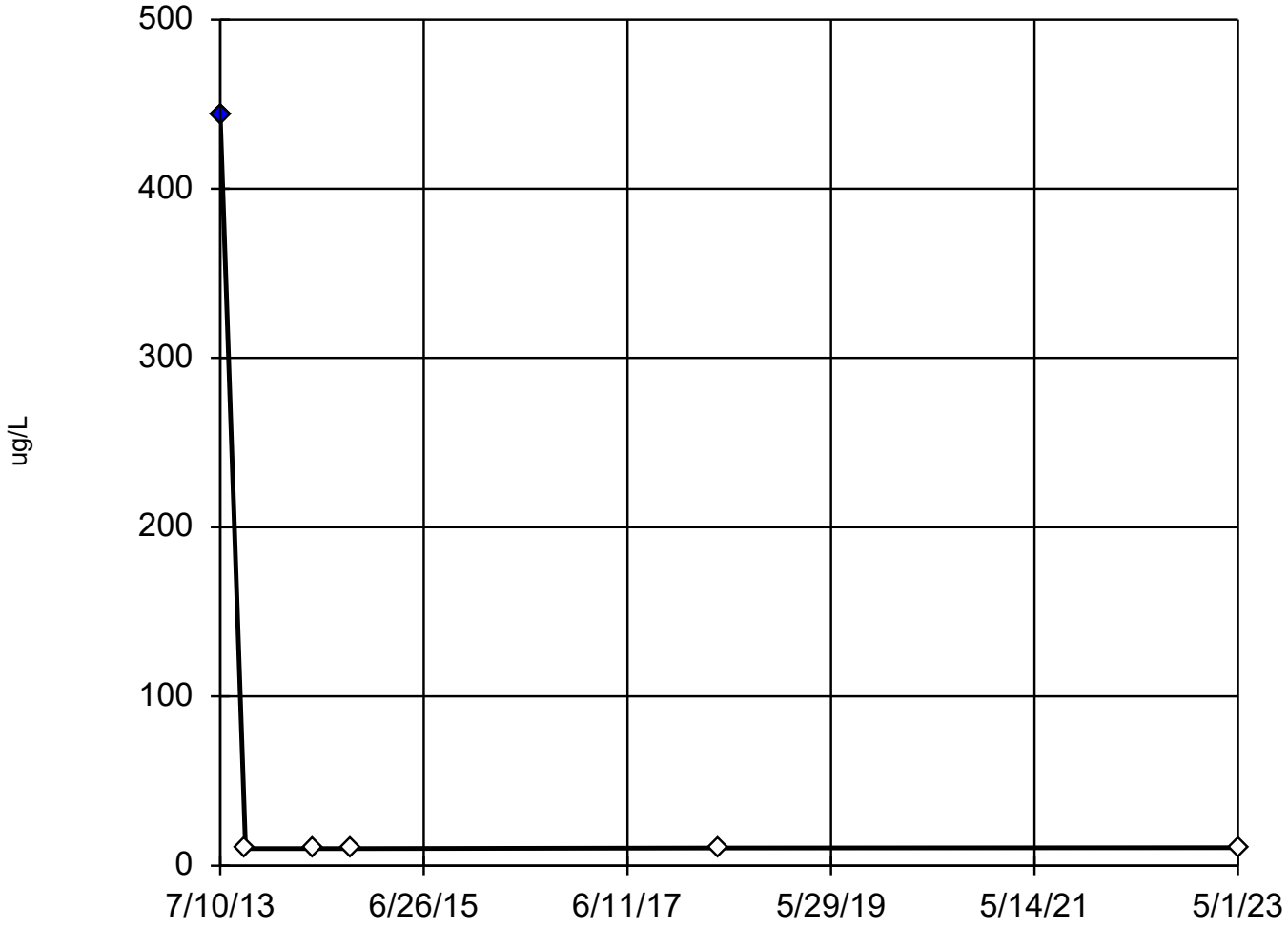
Constituent: 2,4-Dimethylphenol Analysis Run 7/13/2025 11:00 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-219A



n = 6

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 82.38.
Std. Dev. = 176.7.
443 (o): c = 0.9986
tabl = 0.56.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8401
Critical = 0.806
The distribution, after removal of suspect value, was found to be normally distributed.

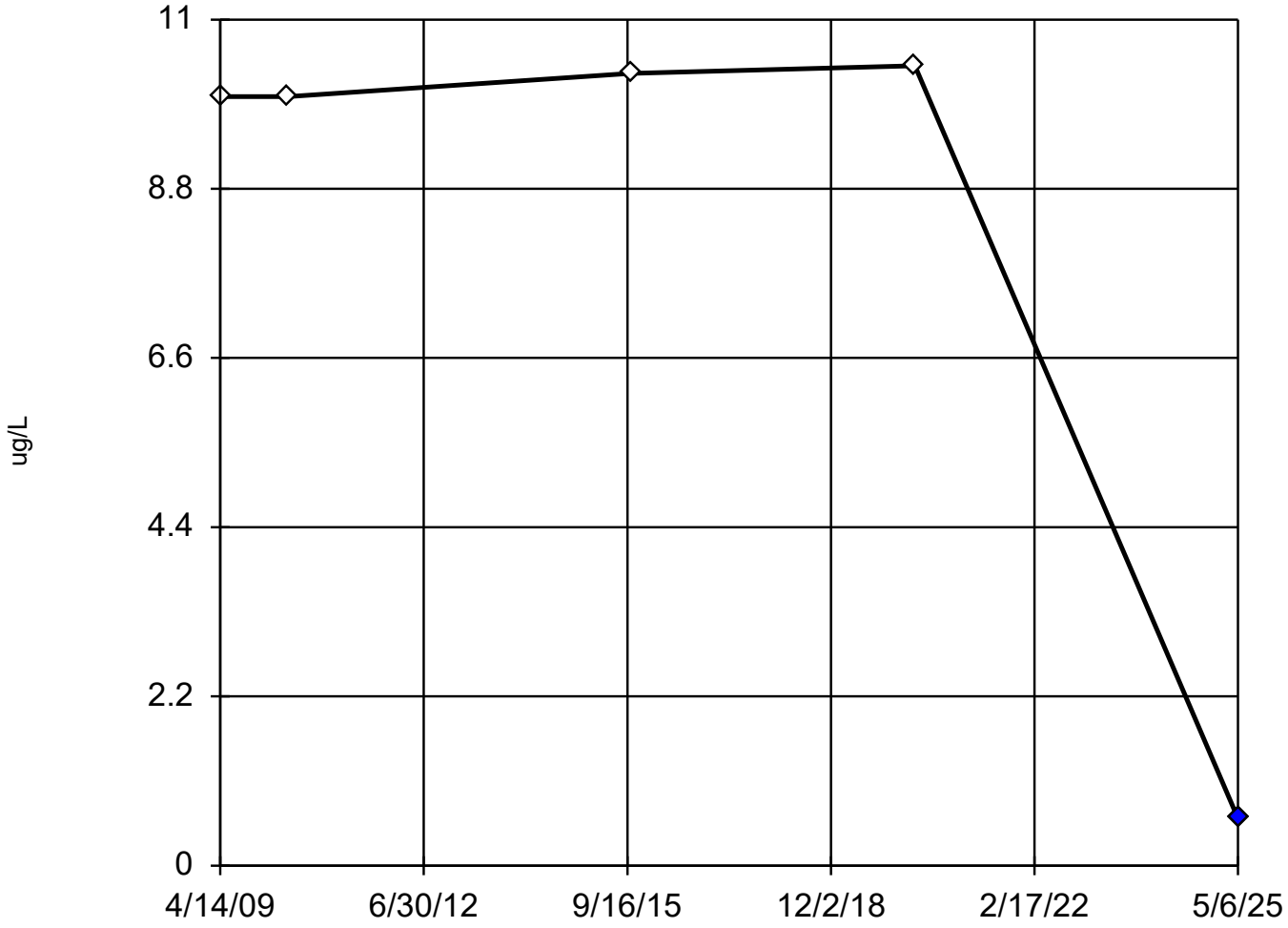
Constituent: 2,4-Dimethylphenol Analysis Run 7/13/2025 11:00 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-5B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.263.
Std. Dev. = 4.279.
<0.615: c = 0.9591
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8294
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

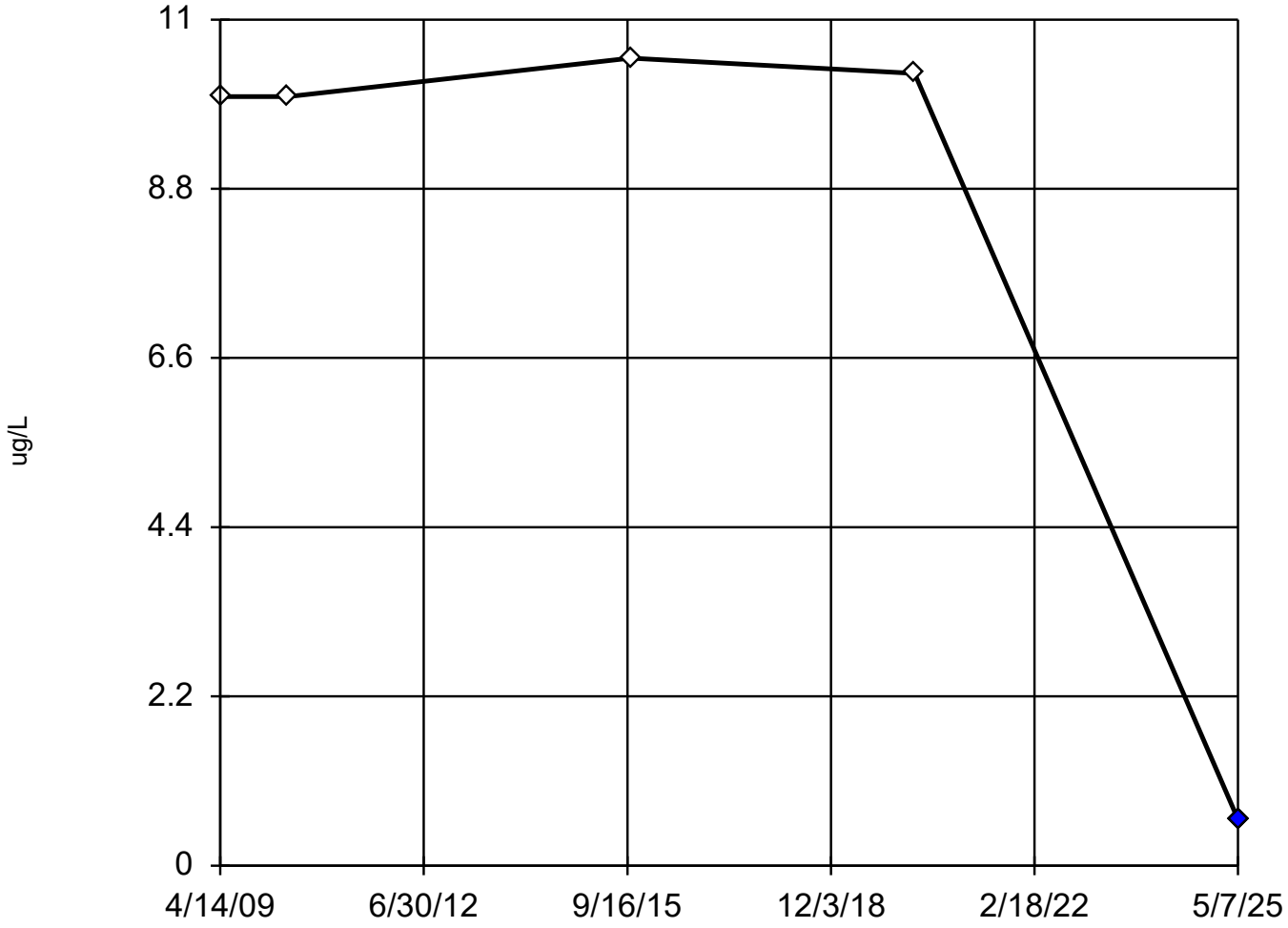
Constituent: 2-Methylnaphthalene Analysis Run 7/13/2025 11:01 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-24A



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.28.
Std. Dev. = 4.298.
<0.602: c = 0.9495
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.862
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

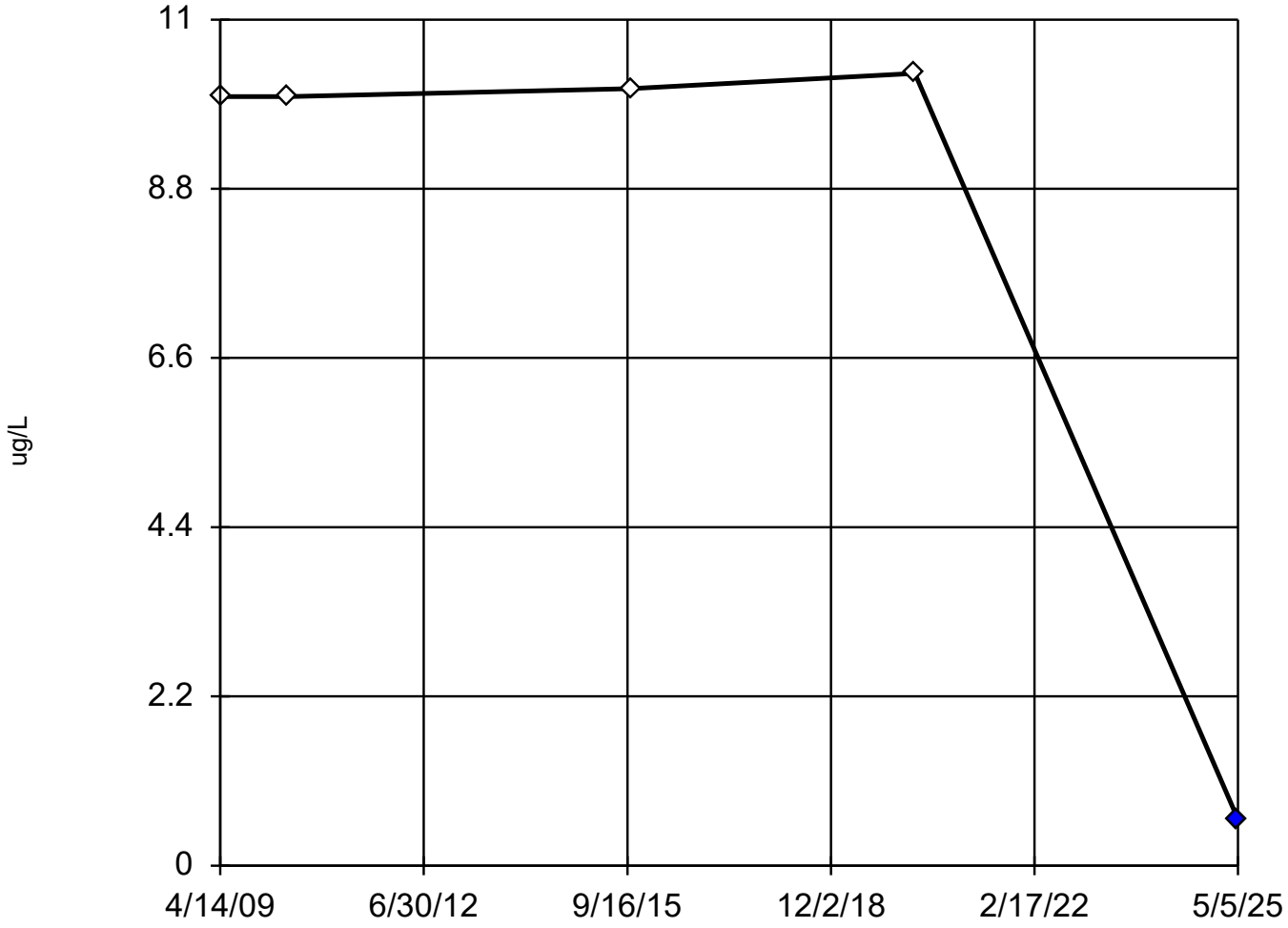
Constituent: 2-Methylnaphthalene Analysis Run 7/13/2025 11:01 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-29A



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.2.
Std. Dev. = 4.249.
<0.602: c = 0.9691
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8283
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

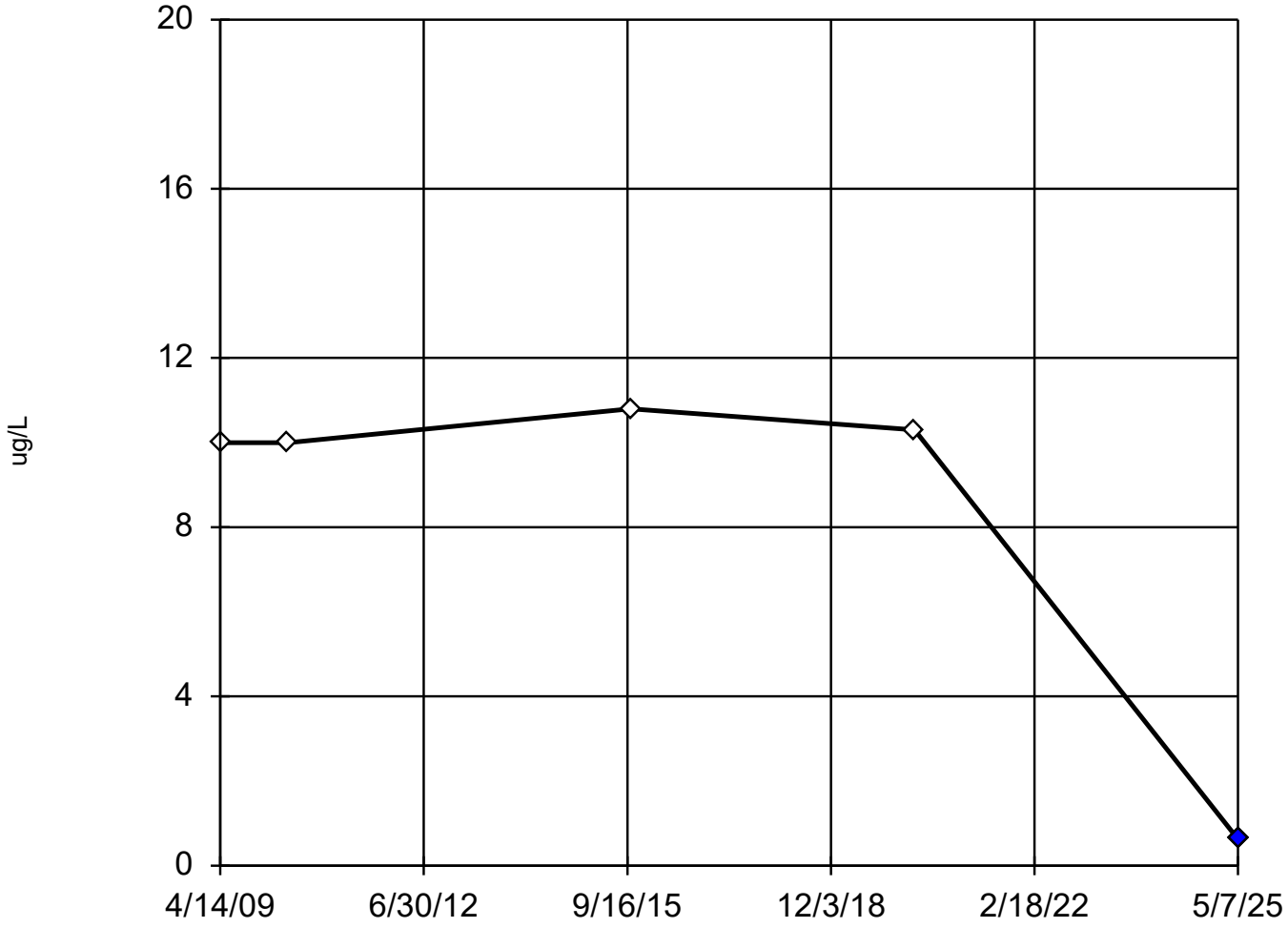
Constituent: 2-Methylnaphthalene Analysis Run 7/13/2025 11:01 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-31B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.346.
Std. Dev. = 4.327.
<0.628: c = 0.9214
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8423
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

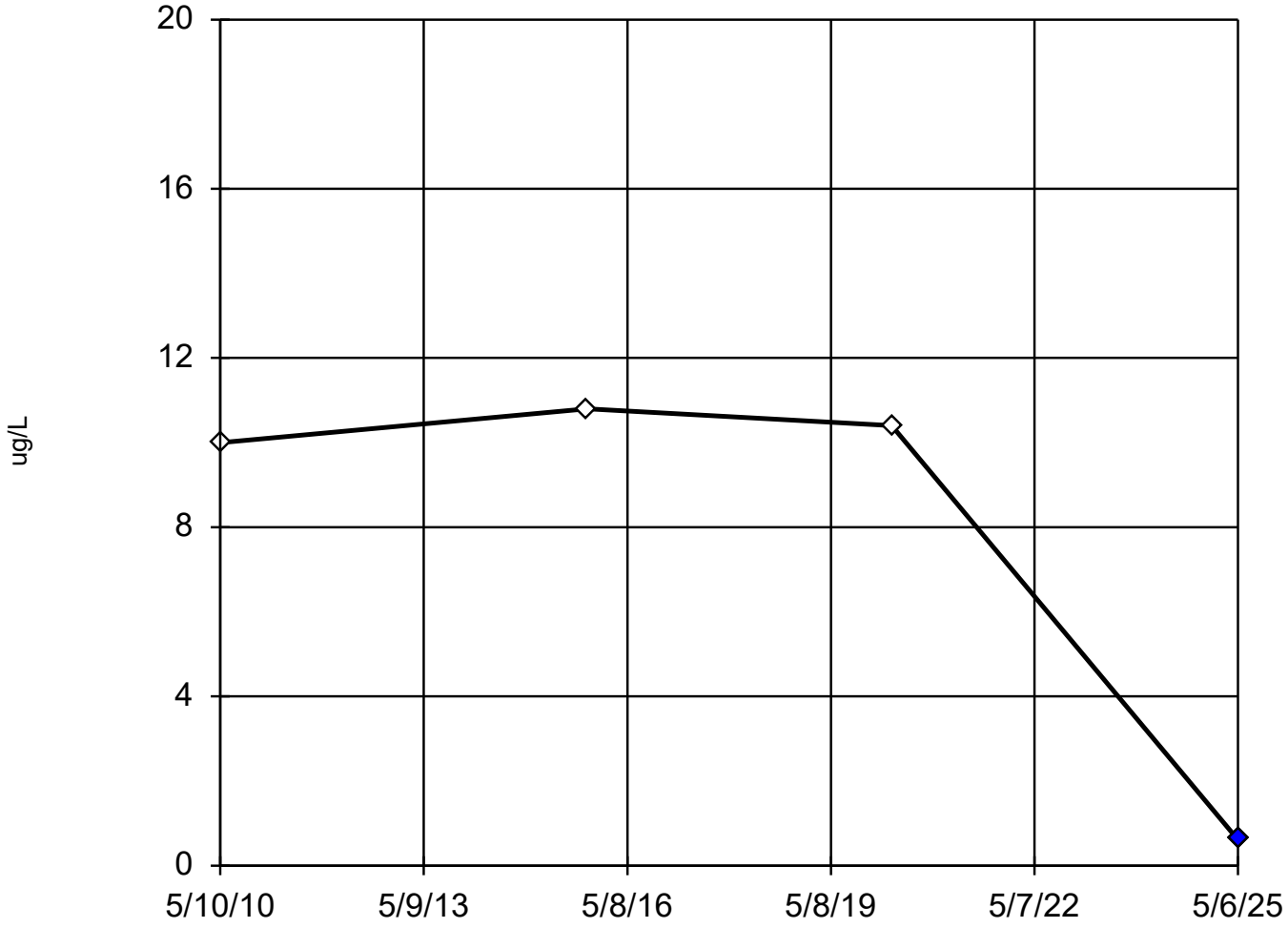
Constituent: 2-Methylnaphthalene Analysis Run 7/13/2025 11:01 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-201A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.954.
Std. Dev. = 4.903.
<0.615: c = 0.9215
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 1
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

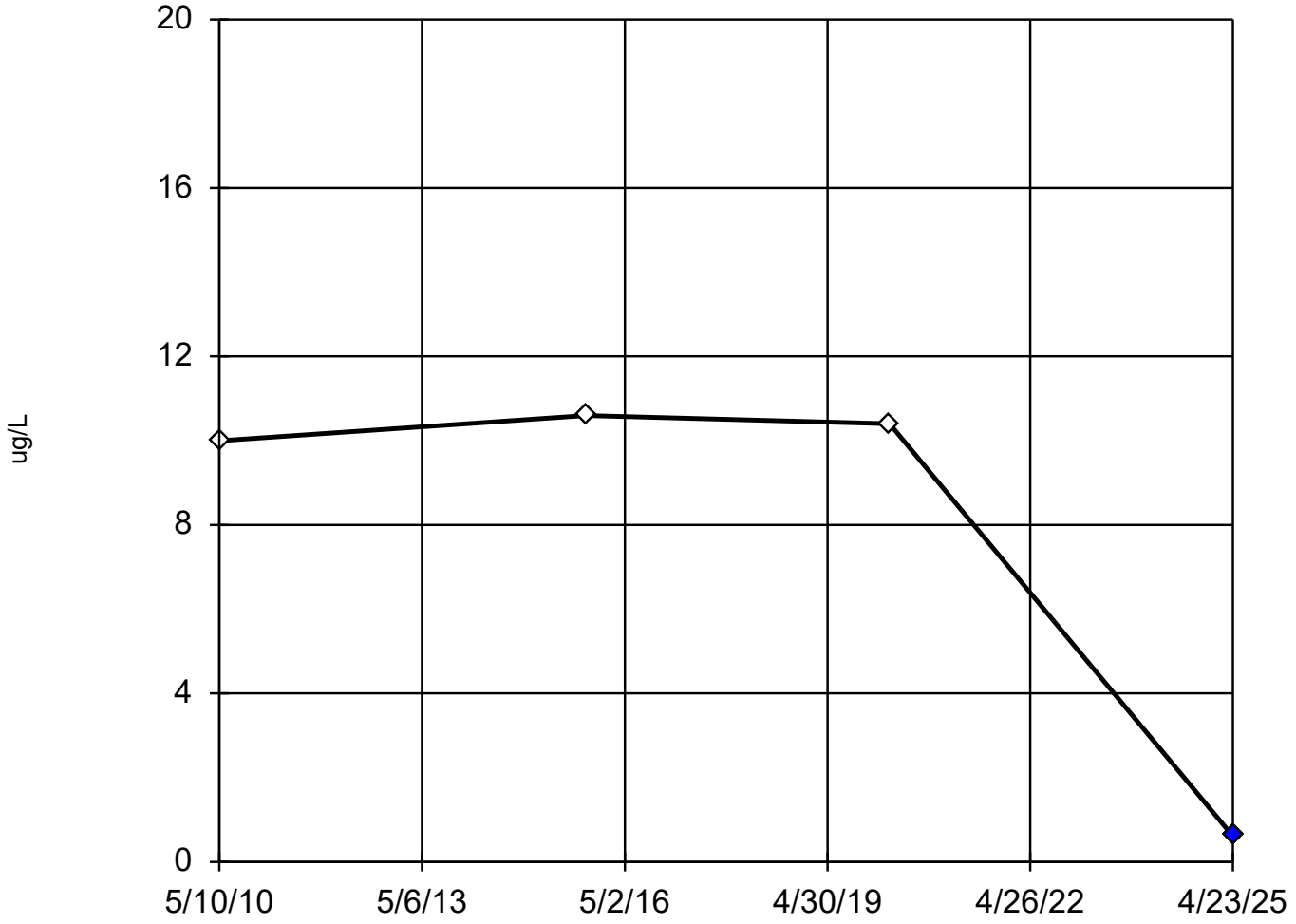
Constituent: 2-Methylnaphthalene Analysis Run 7/13/2025 11:01 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-202A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.904.
Std. Dev. = 4.866.
<0.615: c = 0.9399
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

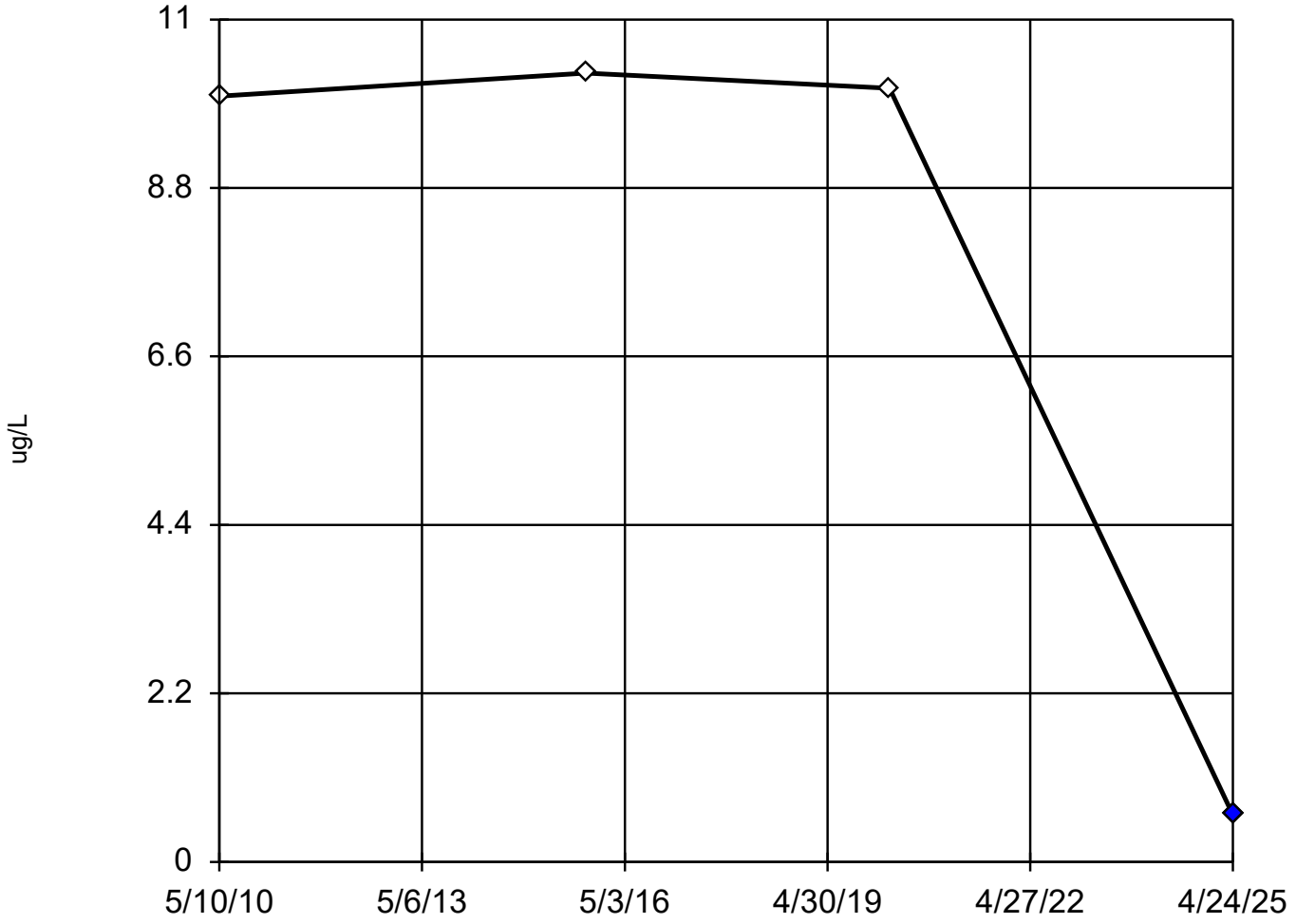
Constituent: 2-Methylnaphthalene Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.754.
Std. Dev. = 4.761.
<0.615: c = 0.969
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

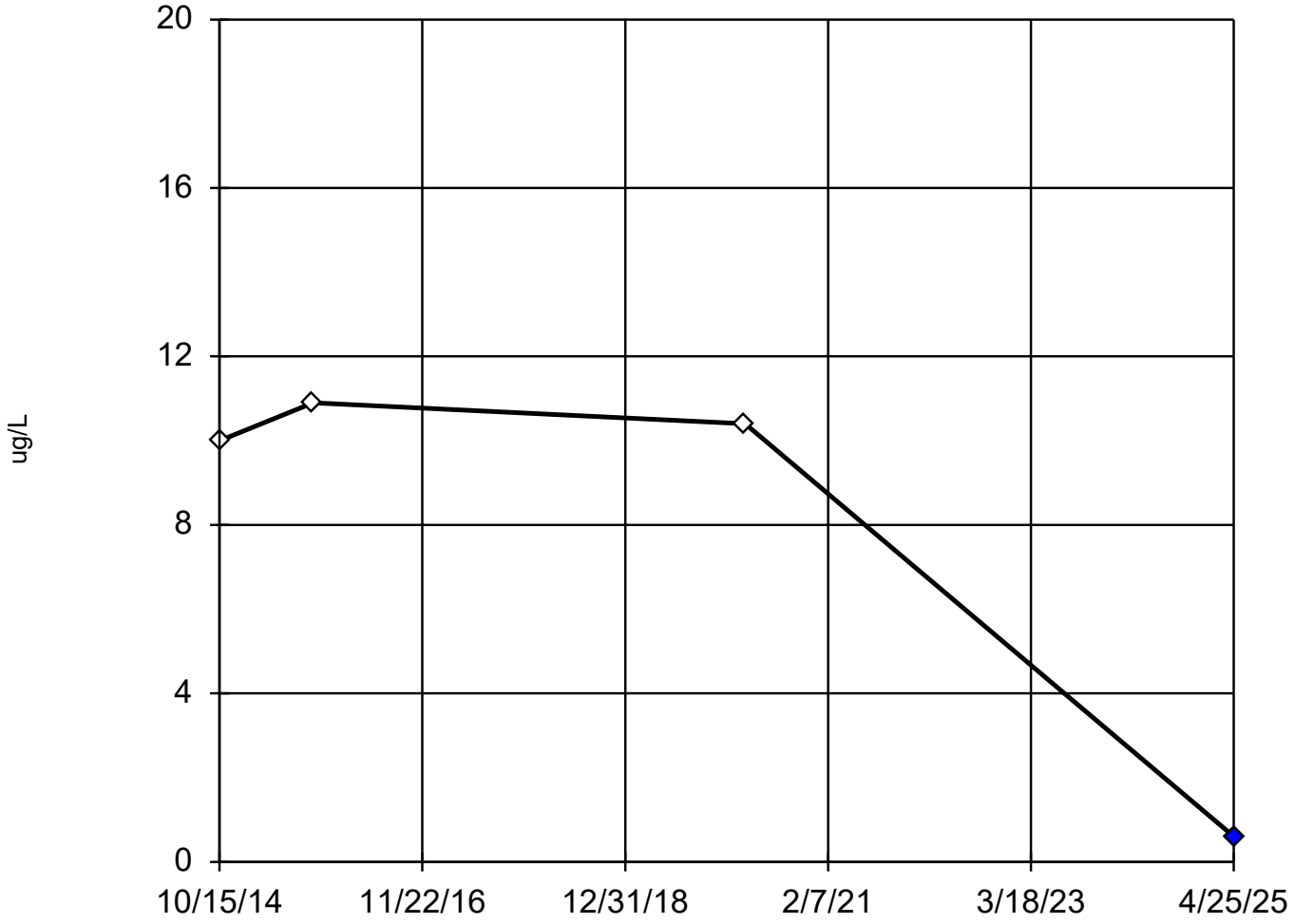
Constituent: 2-Methylnaphthalene Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-208B



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.975.
Std. Dev. = 4.929.
<0.602: c = 0.9126
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9959
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

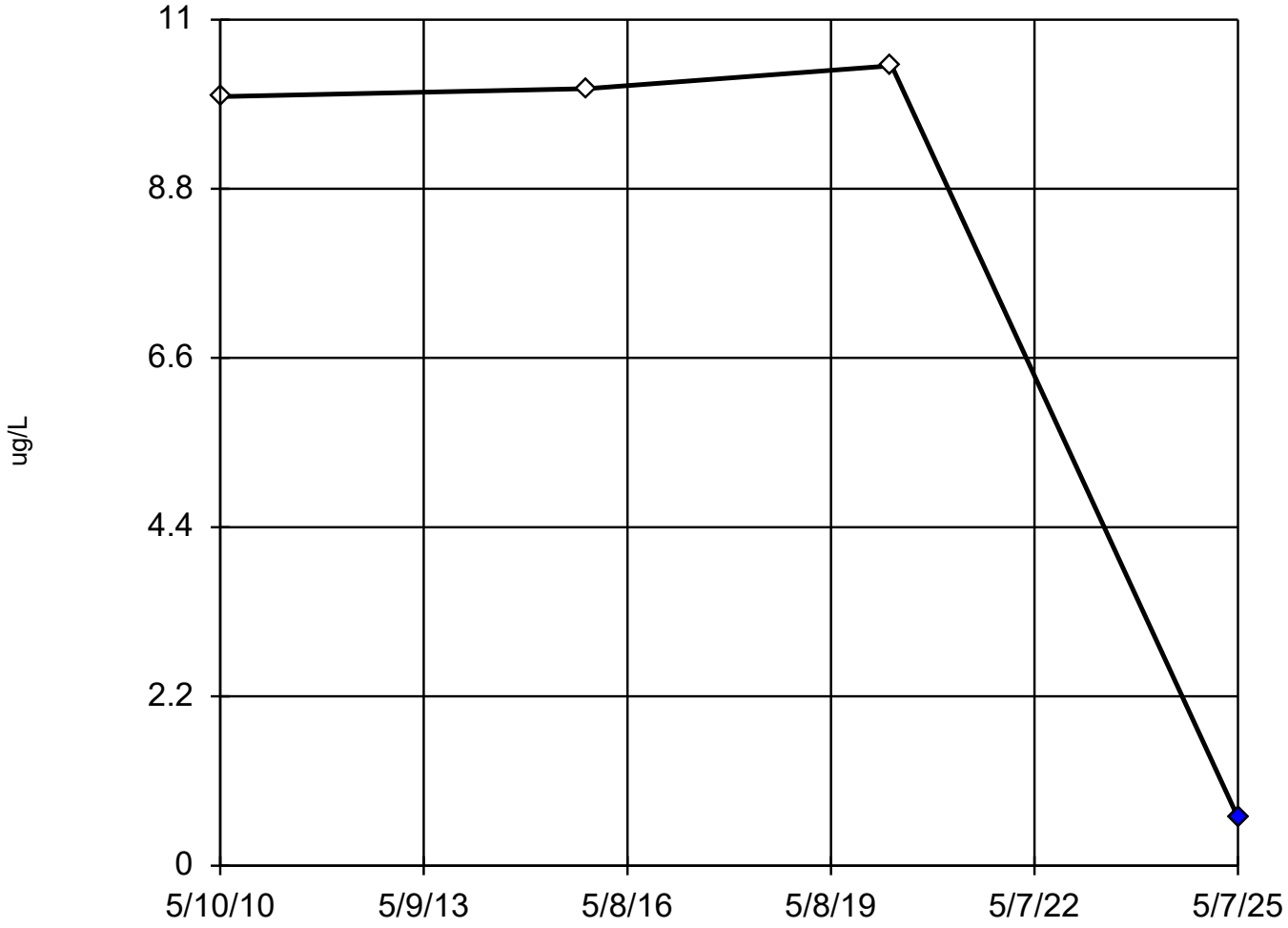
Constituent: 2-Methylnaphthalene Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-215A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.782.
Std. Dev. = 4.772.
<0.628: c = 0.9591
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9231
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

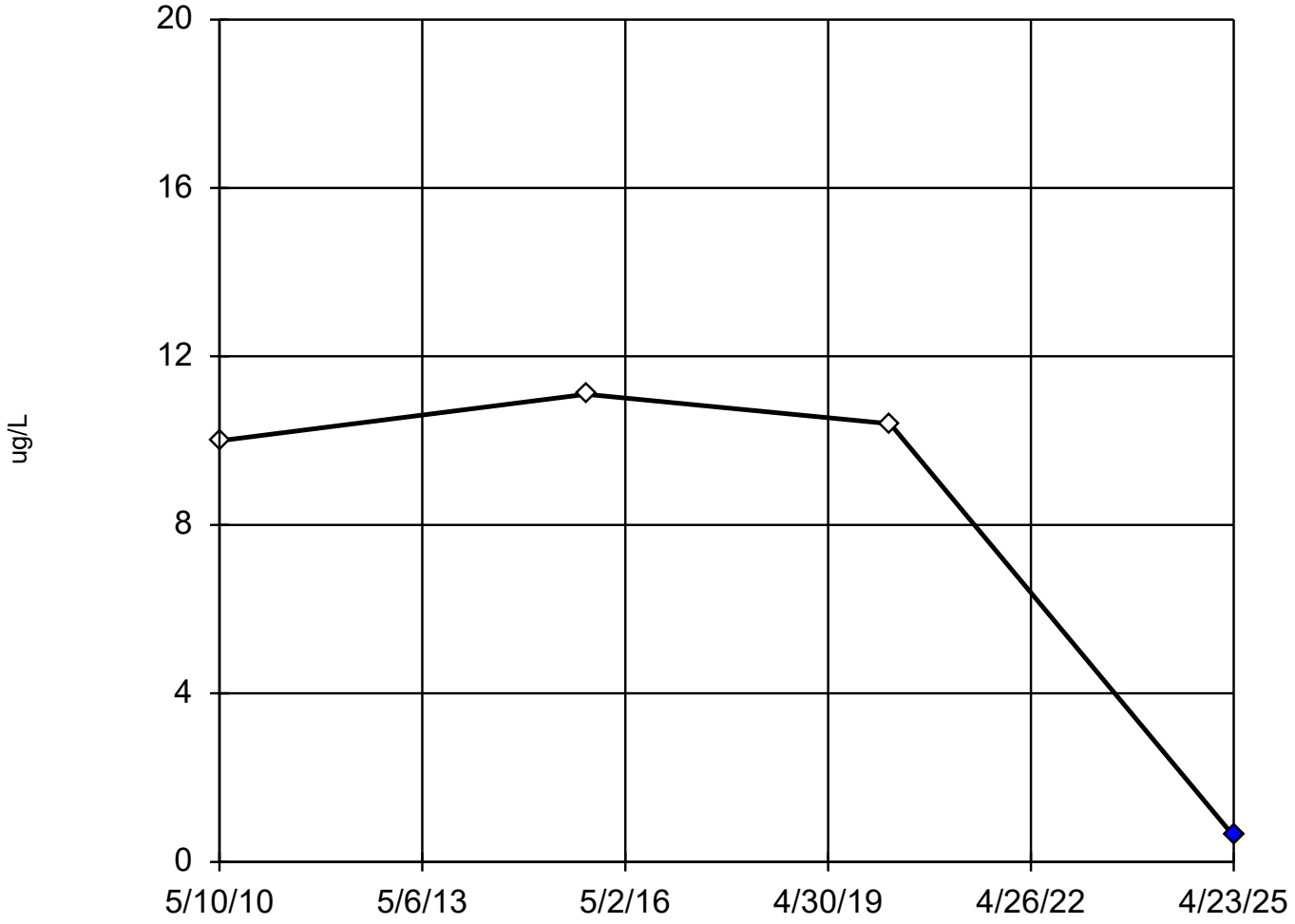
Constituent: 2-Methylnaphthalene Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-214A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.029.
Std. Dev. = 4.963.
<0.615: c = 0.8951
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9758
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

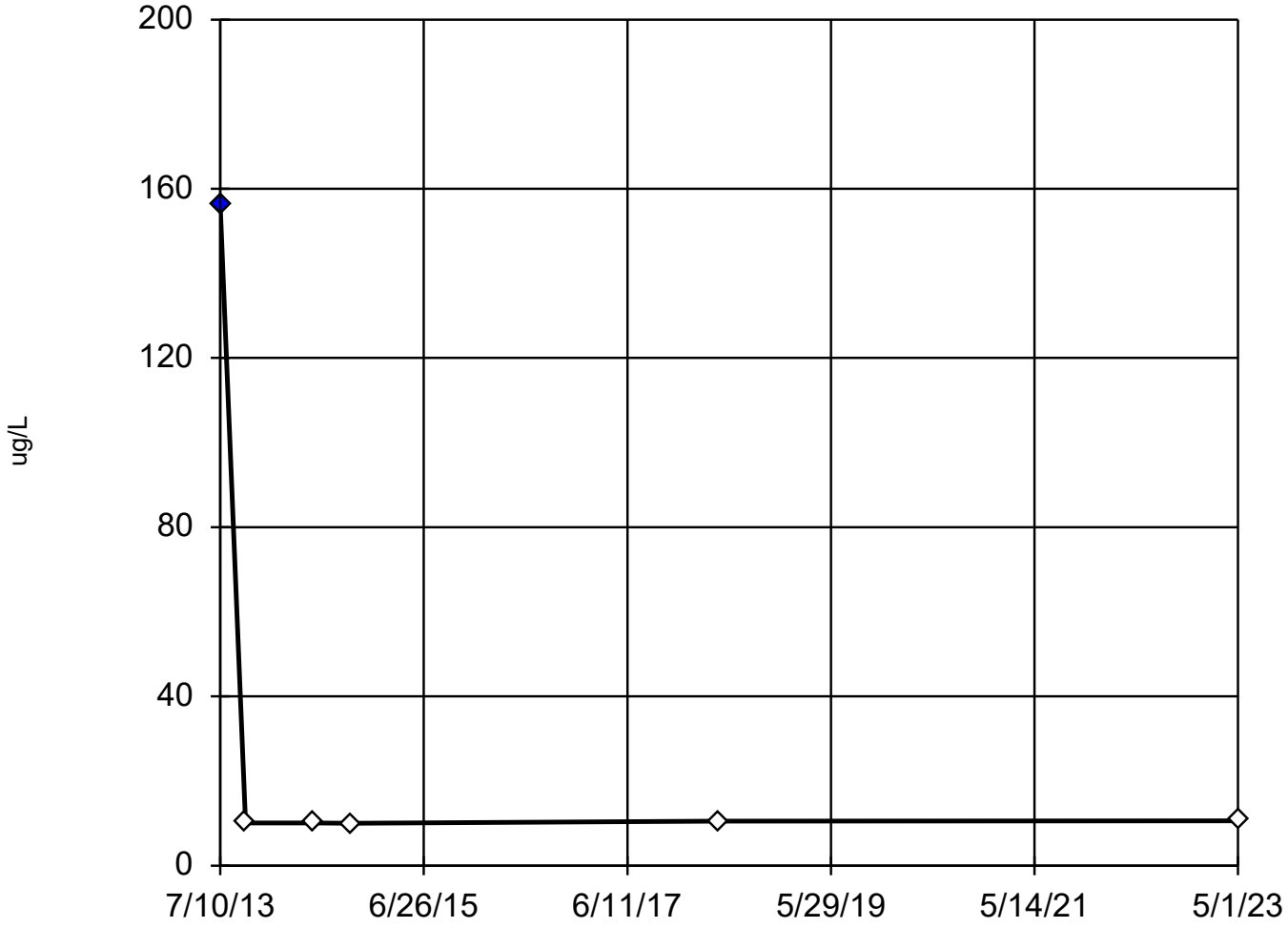
Constituent: 2-Methylnaphthalene Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-219A



n = 6

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 34.55.
Std. Dev. = 59.5.
156 (o): c = 0.9959
tabl = 0.56.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8401
Critical = 0.806
The distribution, after removal of suspect value, was found to be normally distributed.

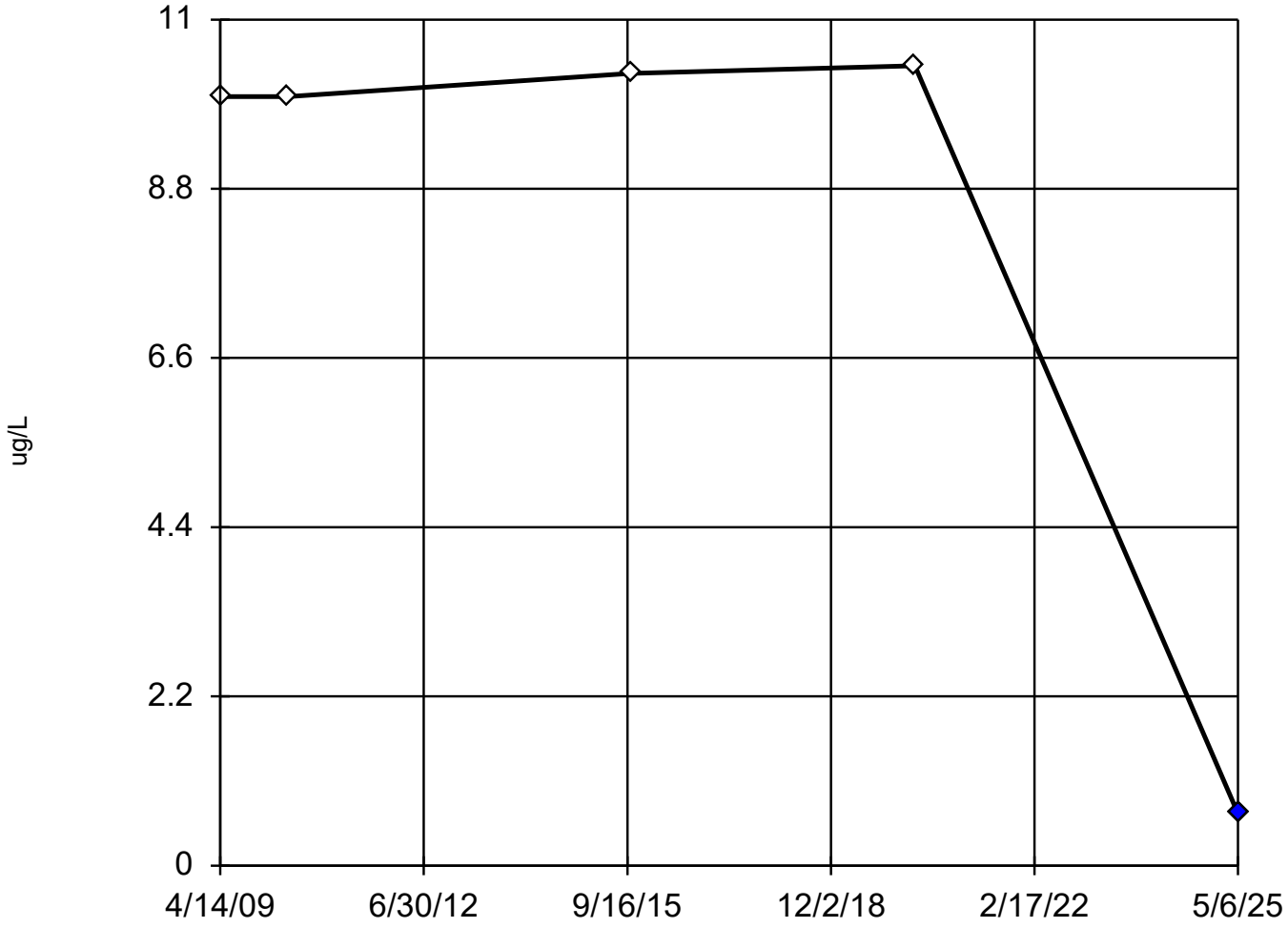
Constituent: 2-Methylnaphthalene Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-5B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.275.
Std. Dev. = 4.251.
<0.677: c = 0.9589
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8294
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

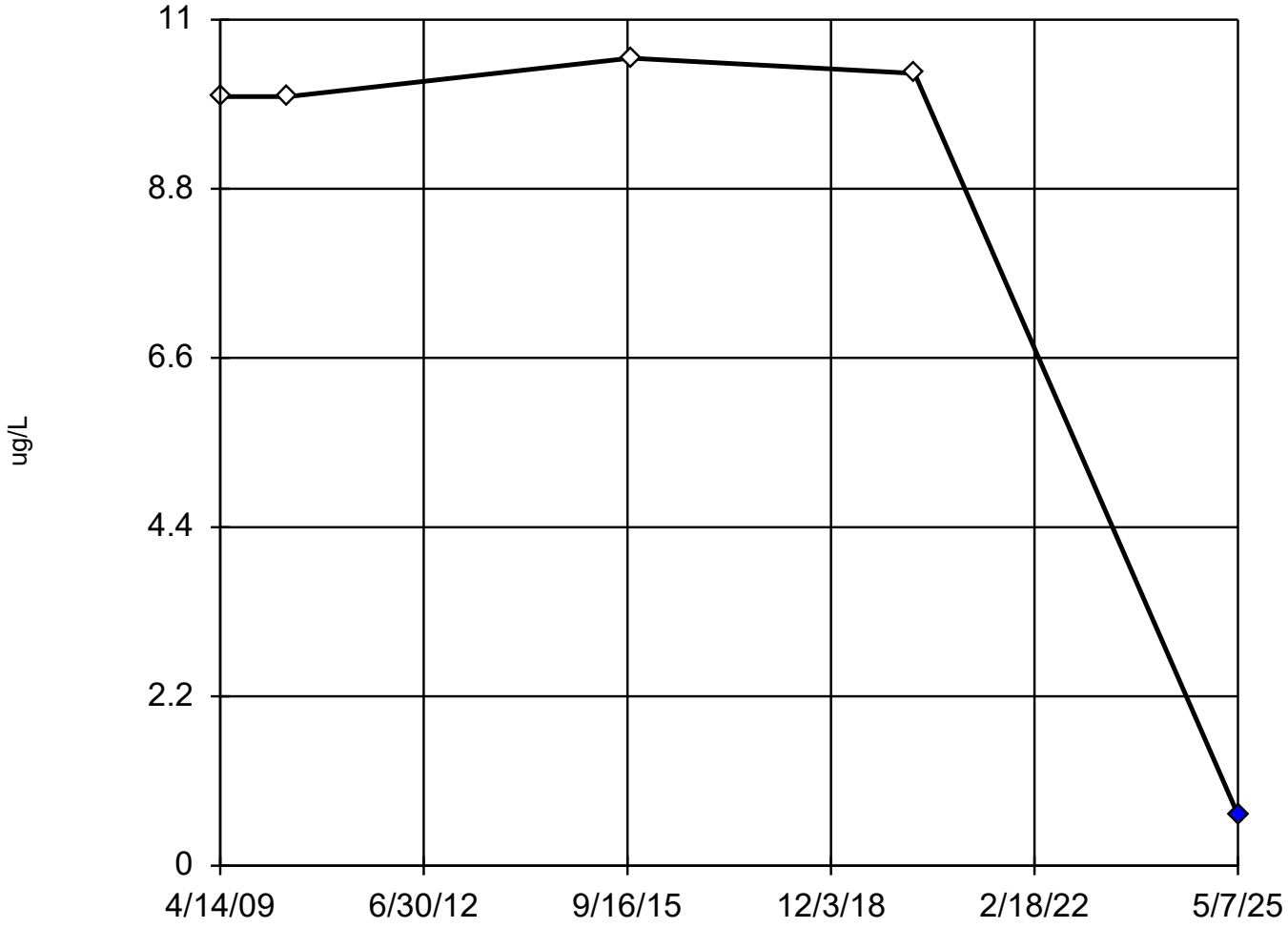
Constituent: 2-Methylphenol Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-24A



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.293.
Std. Dev. = 4.27.
<0.663: c = 0.9492
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.862
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

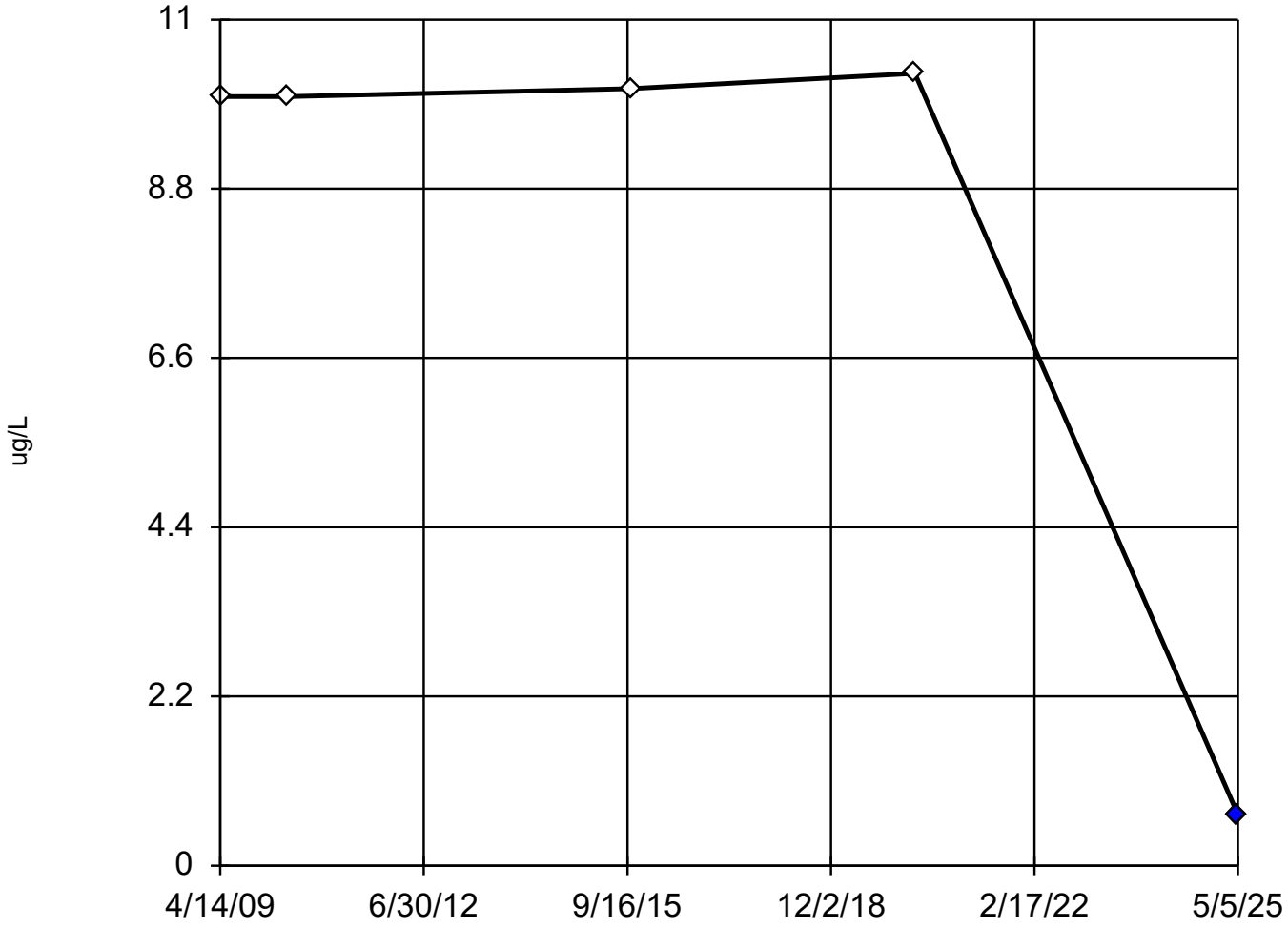
Constituent: 2-Methylphenol Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-29A



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.213.
Std. Dev. = 4.222.
<0.663: c = 0.9689
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8283
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

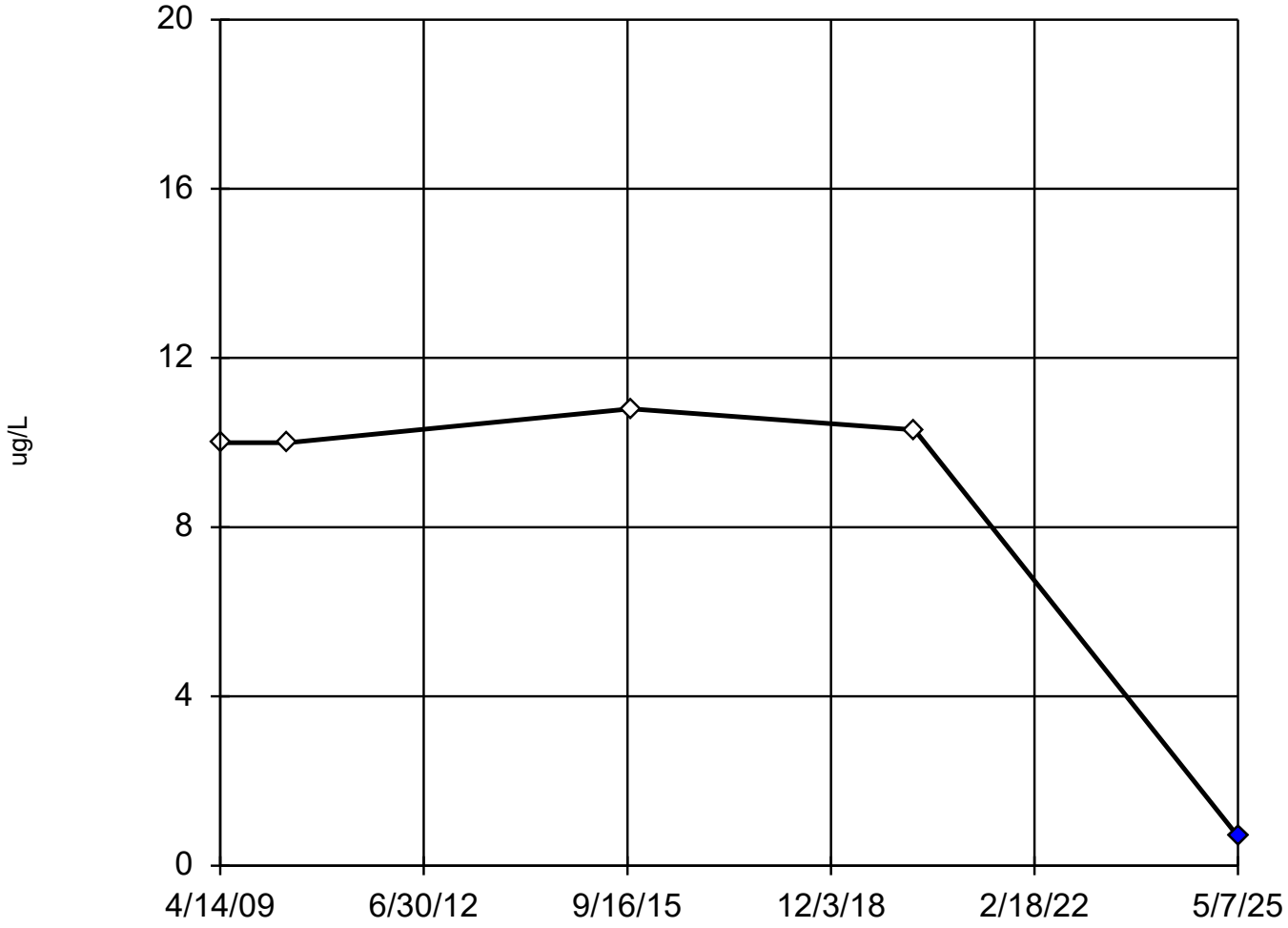
Constituent: 2-Methylphenol Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-31B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.358.
Std. Dev. = 4.299.
<0.691: c = 0.9209
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8423
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

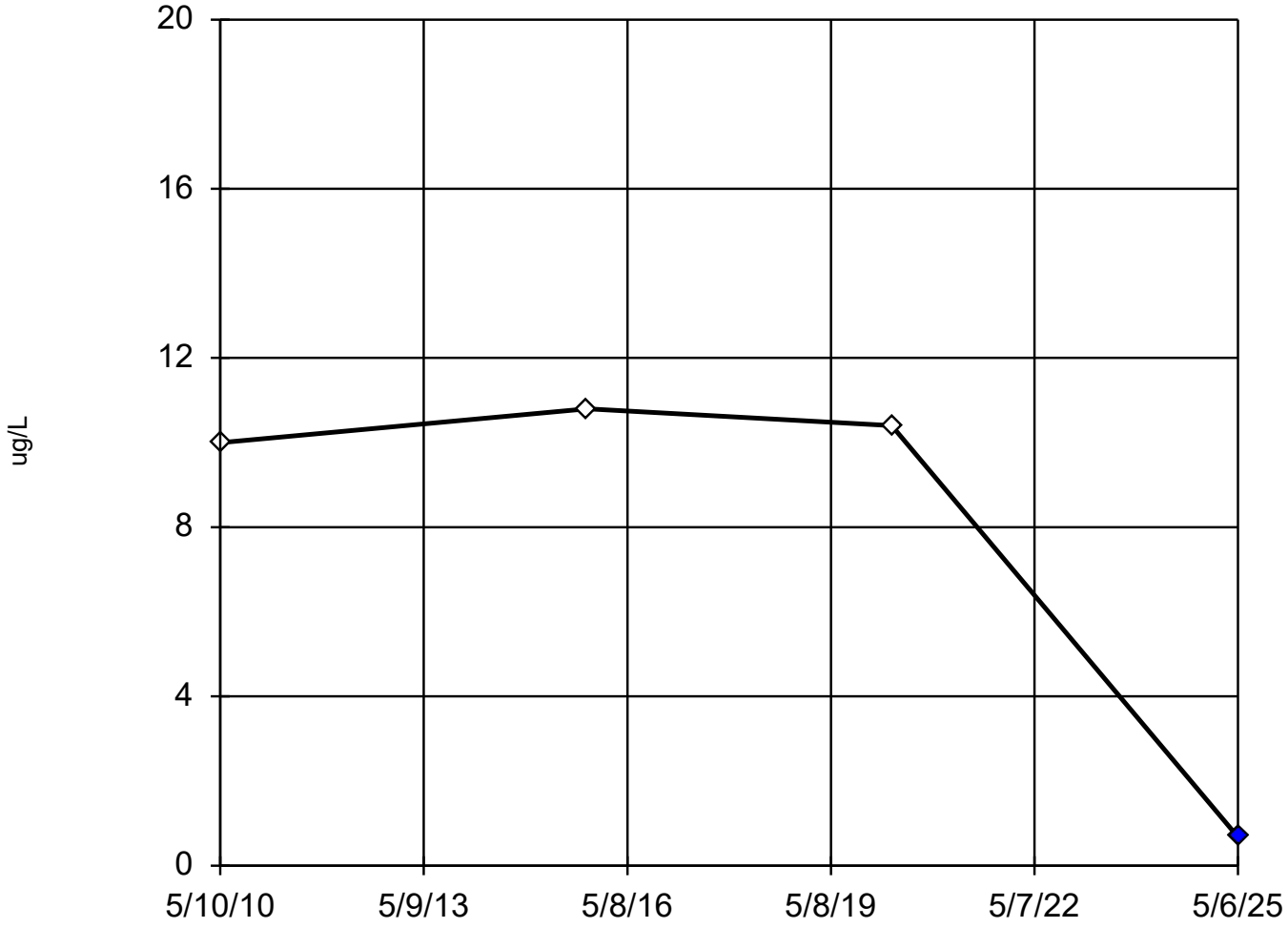
Constituent: 2-Methylphenol Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-201A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.969.
Std. Dev. = 4.872.
<0.677: c = 0.921
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 1
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

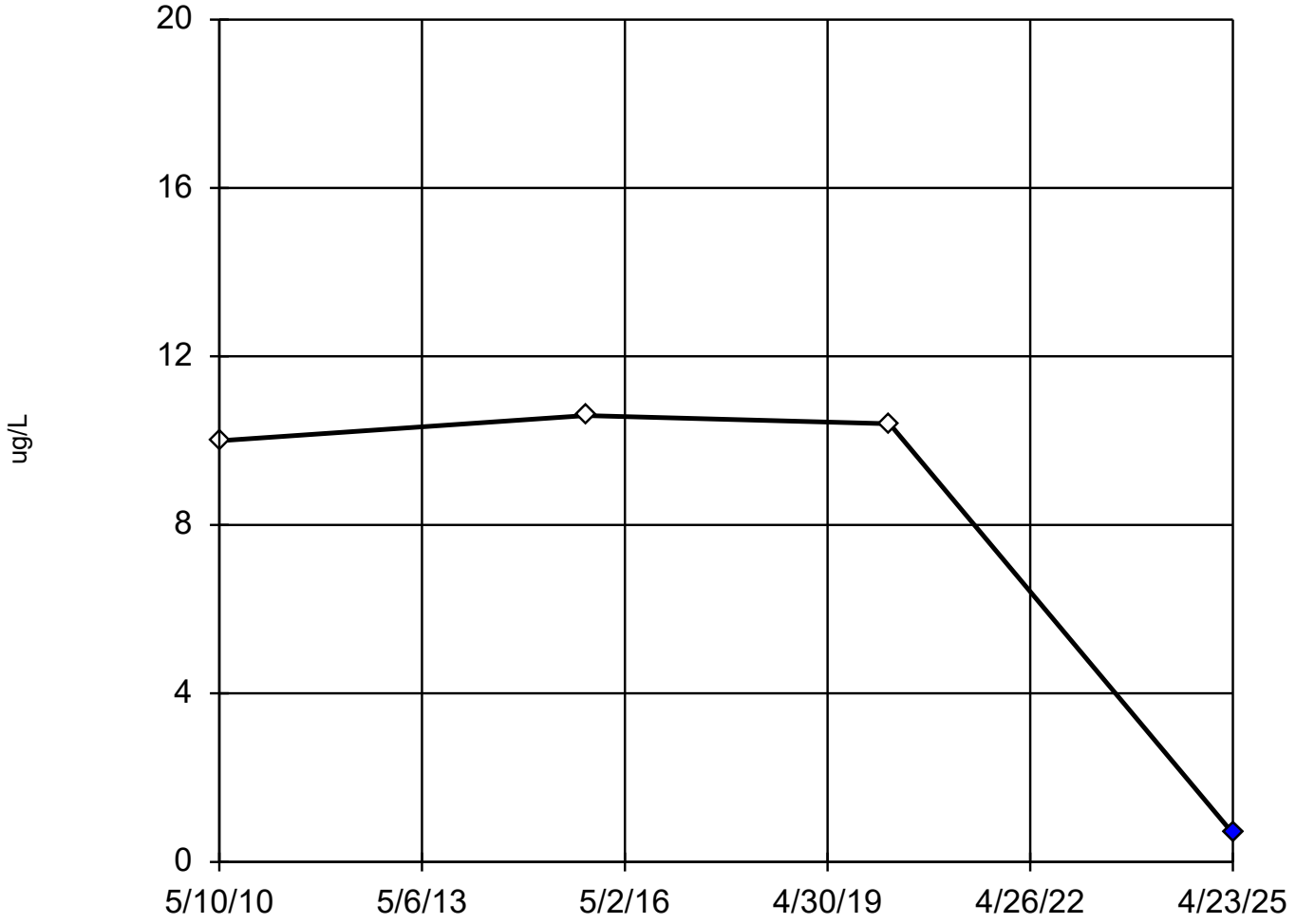
Constituent: 2-Methylphenol Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-202A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.919.
Std. Dev. = 4.835.
<0.677: c = 0.9395
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

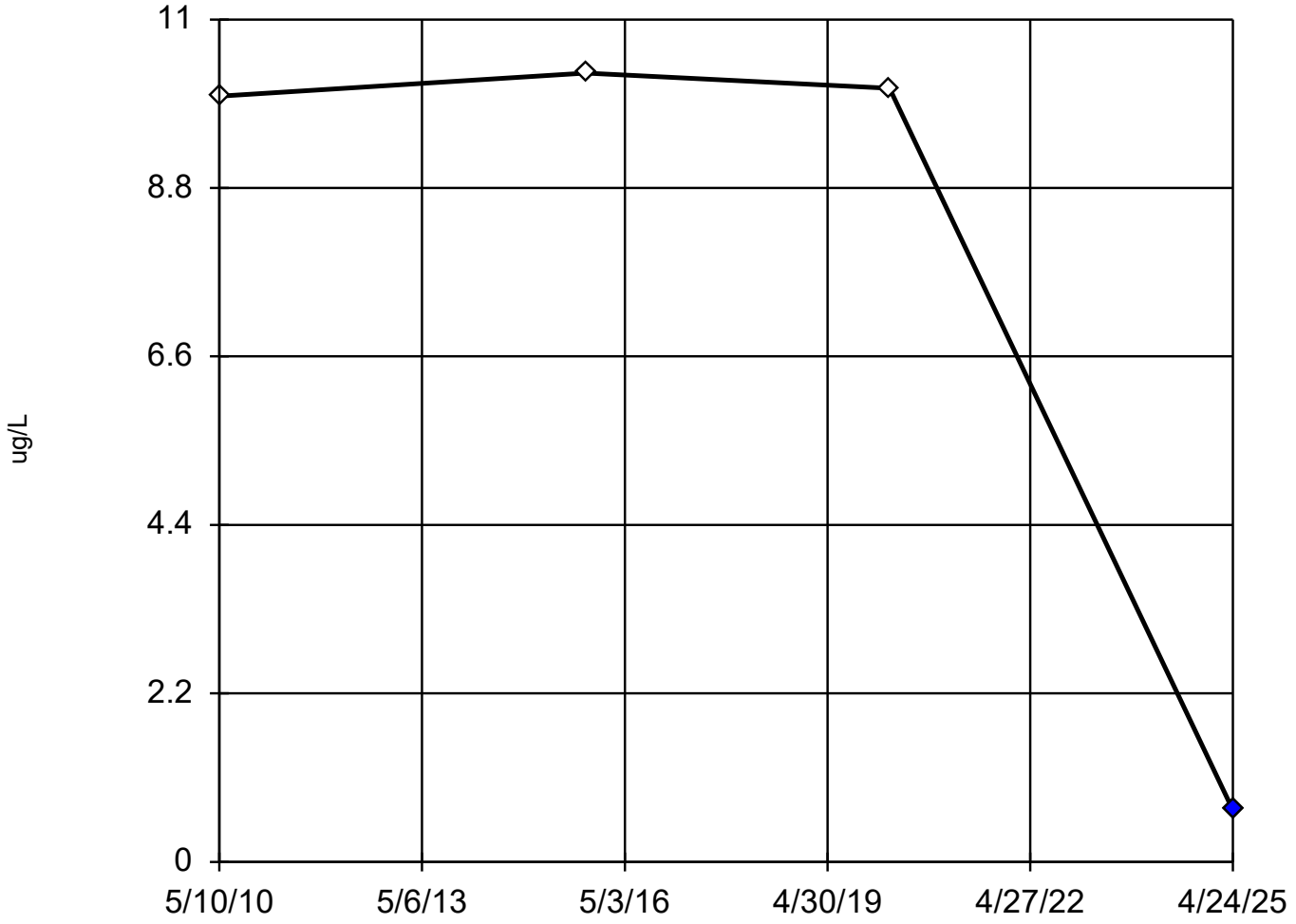
Constituent: 2-Methylphenol Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.769.
Std. Dev. = 4.73.
<0.677: c = 0.9688
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

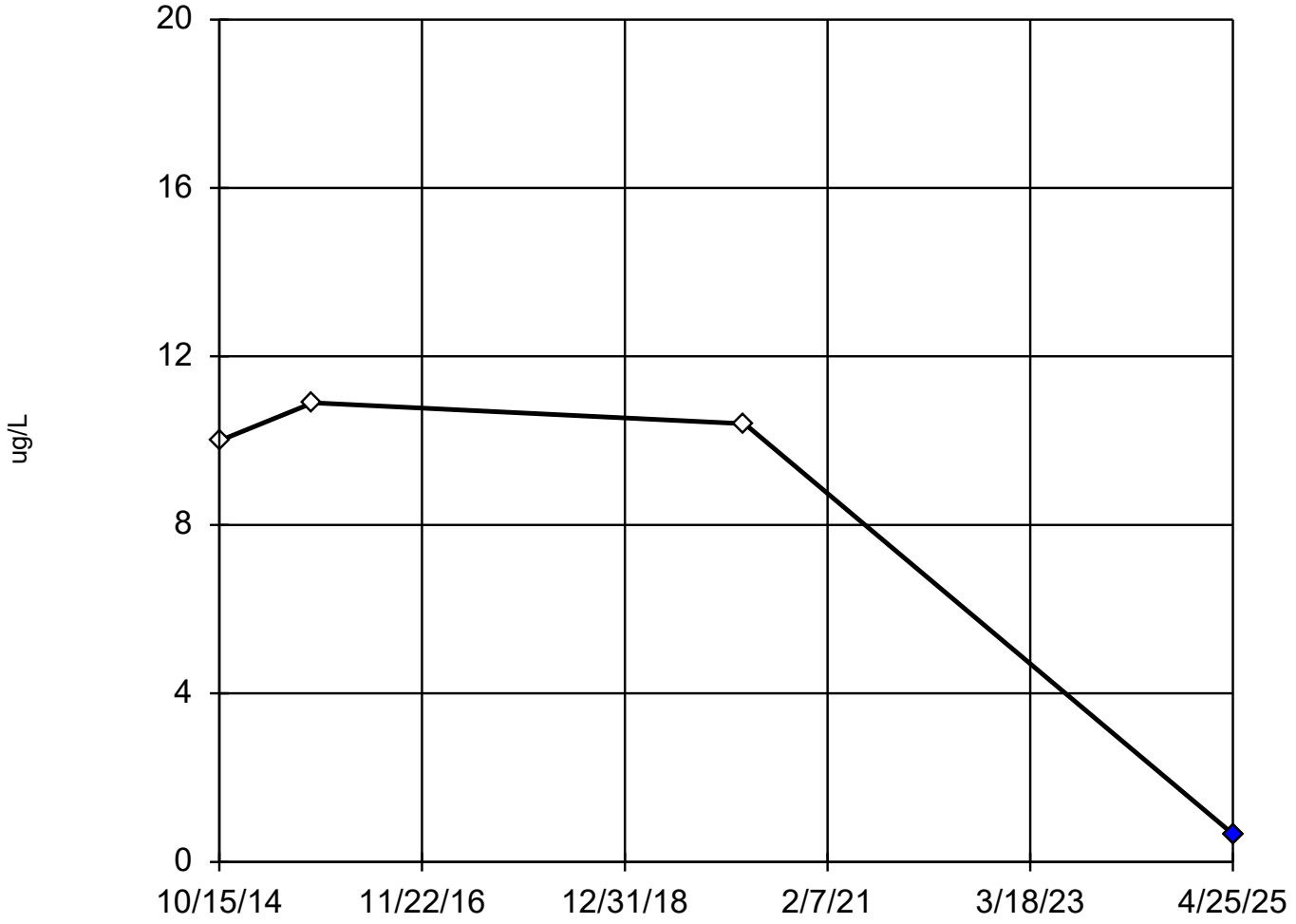
Constituent: 2-Methylphenol Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-208B



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.991.
Std. Dev. = 4.899.
<0.663: c = 0.9121
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9959
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

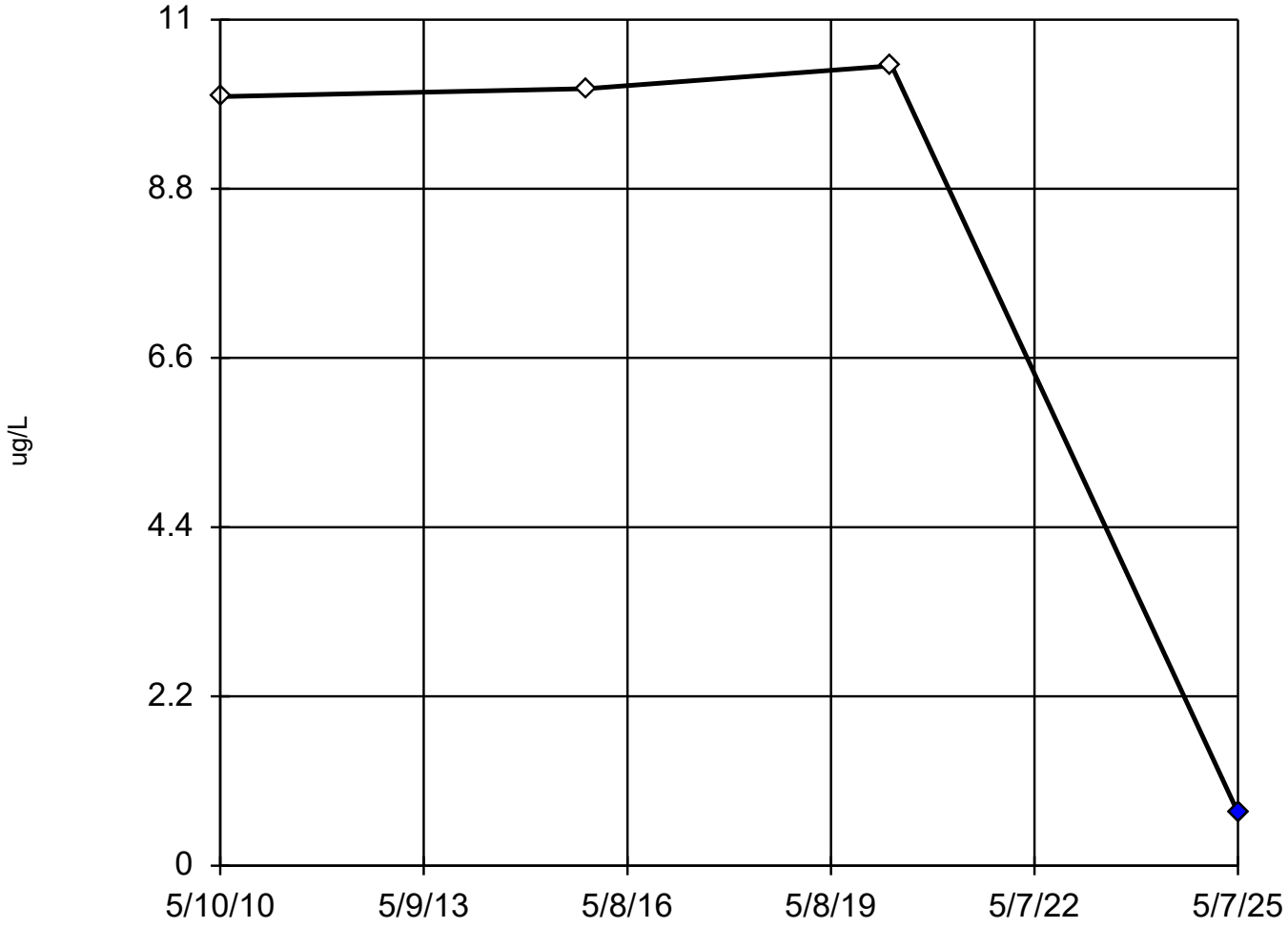
Constituent: 2-Methylphenol Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-215A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.798.
Std. Dev. = 4.741.
<0.691: c = 0.9588
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9231
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

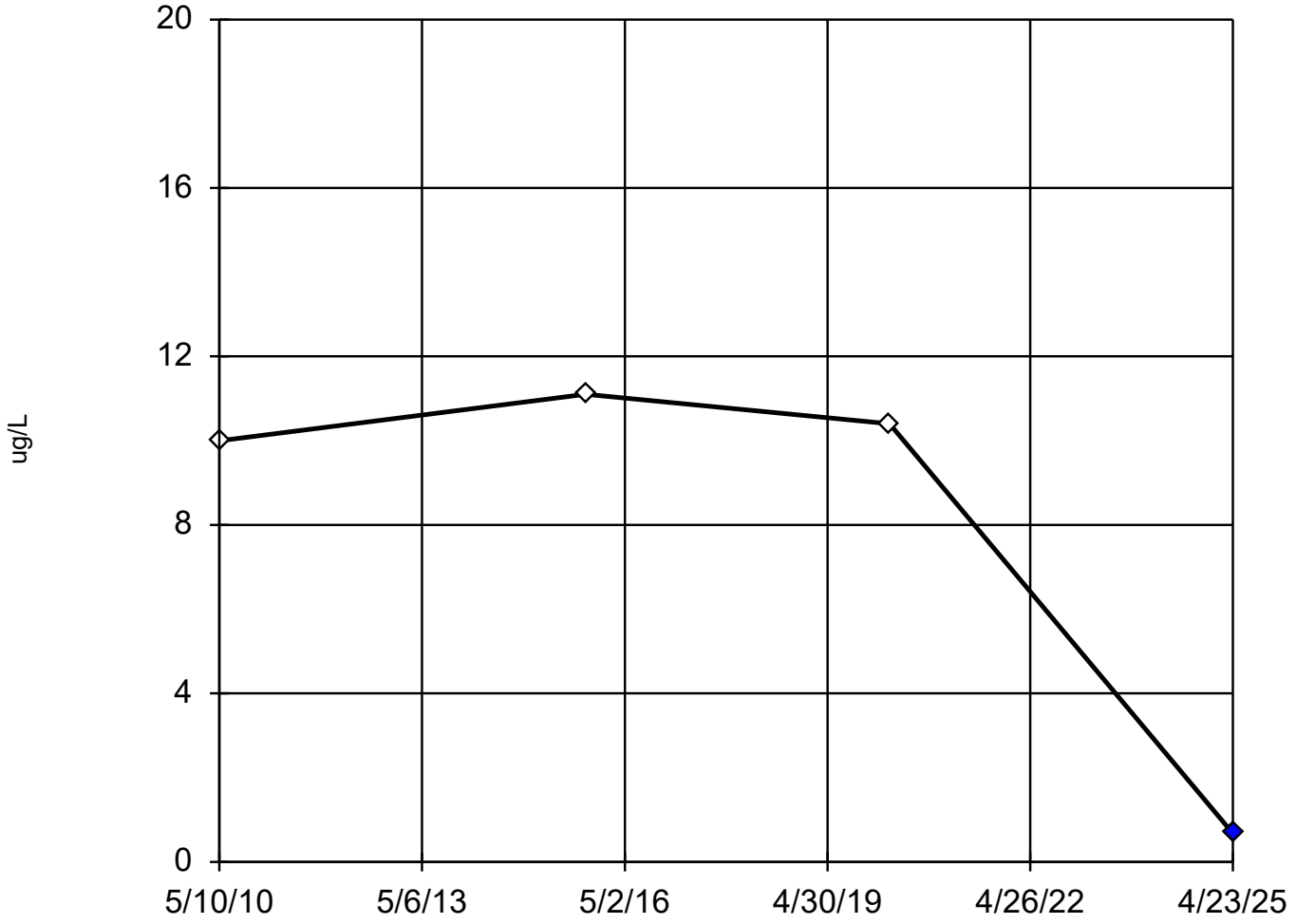
Constituent: 2-Methylphenol Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-214A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.044.
Std. Dev. = 4.932.
<0.677: c = 0.8945
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9758
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

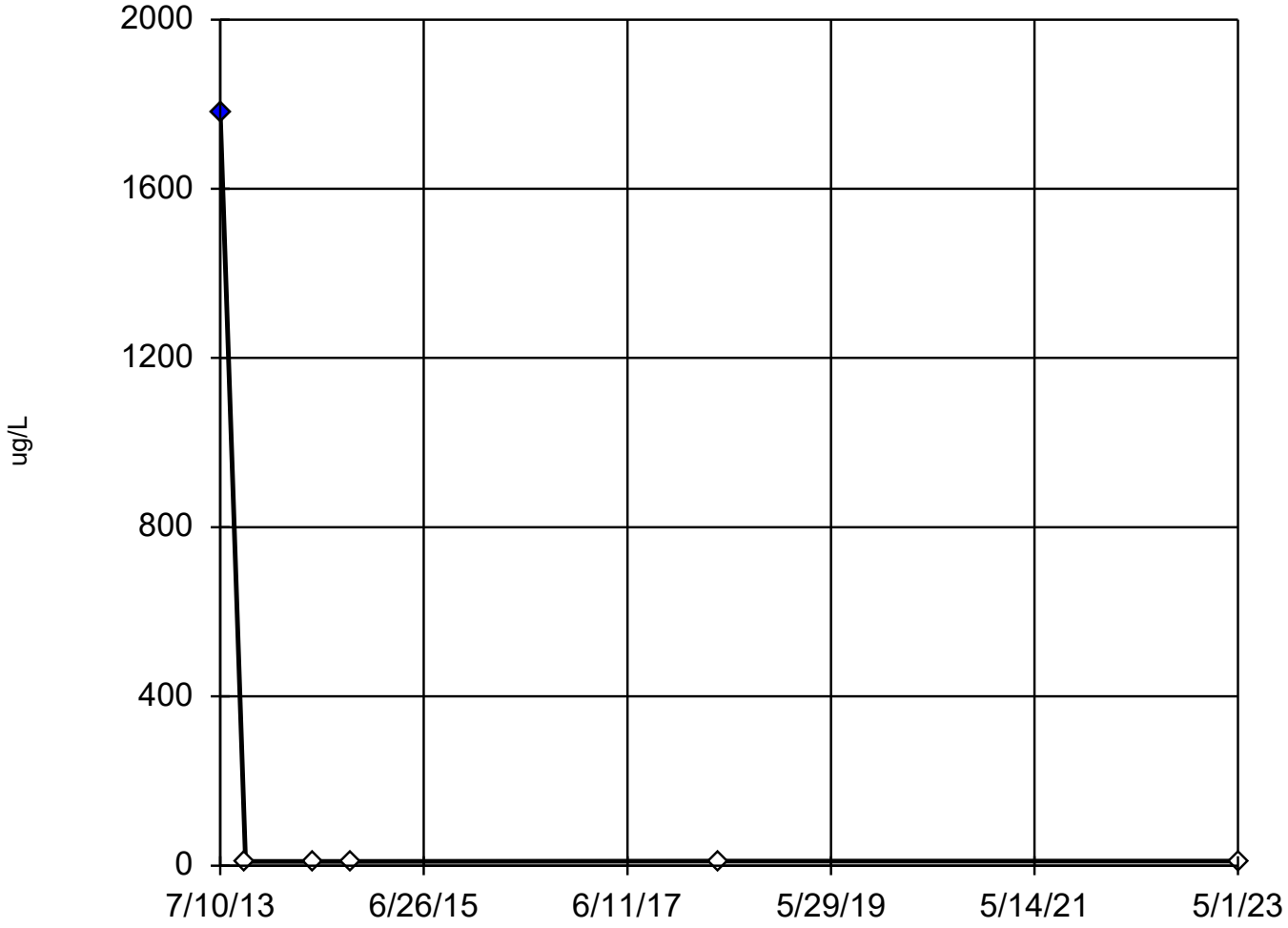
Constituent: 2-Methylphenol Analysis Run 7/13/2025 11:02 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-219A



n = 6

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 305.2.
Std. Dev. = 722.5.
1780 (o): c = 0.9997
tabl = 0.56.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8401
Critical = 0.806
The distribution, after removal of suspect value, was found to be normally distributed.

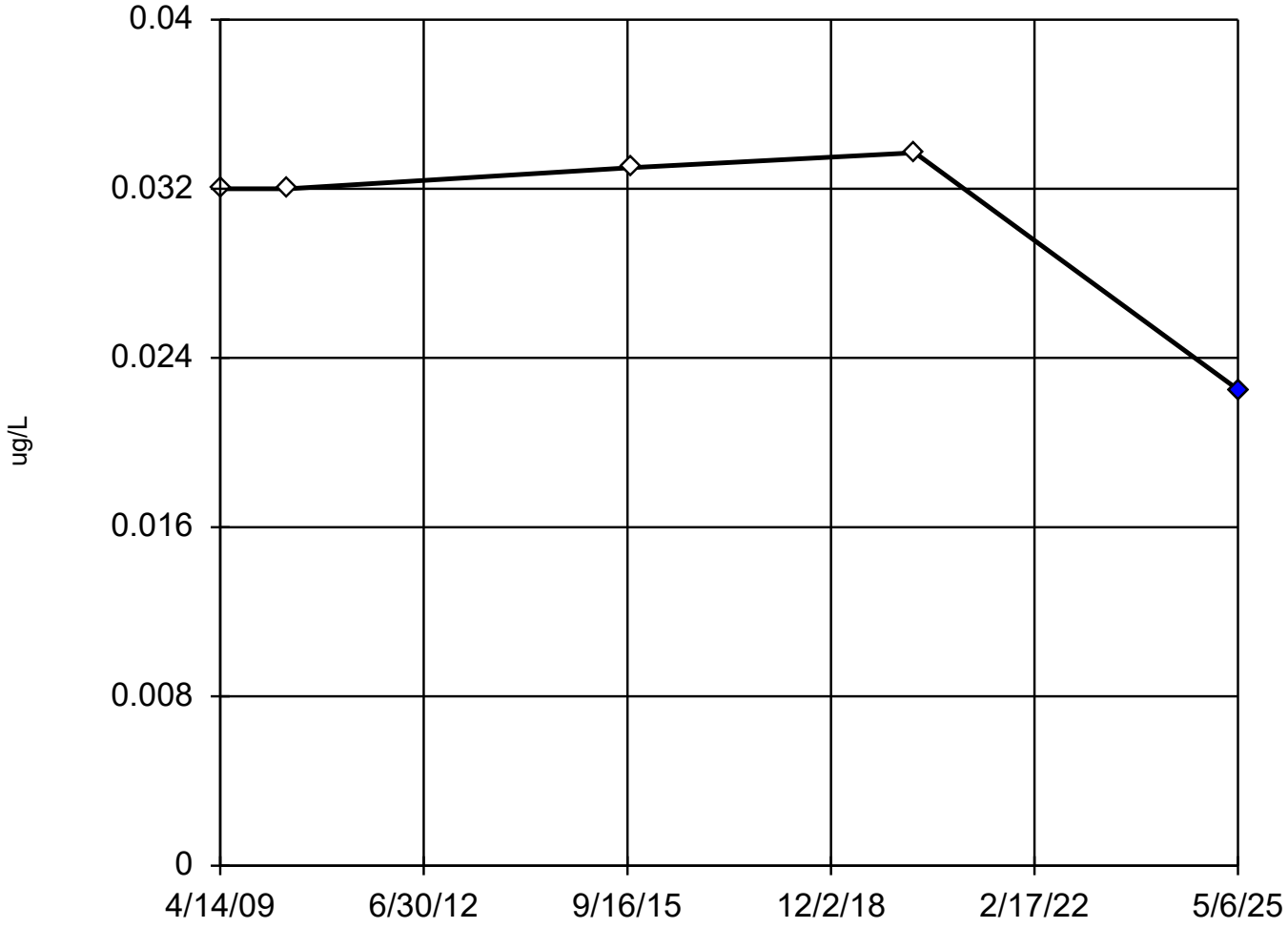
Constituent: 2-Methylphenol Analysis Run 7/13/2025 11:03 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-5B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03064.
Std. Dev. = 0.004607.
<0.0225: c = 0.8482
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8632
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

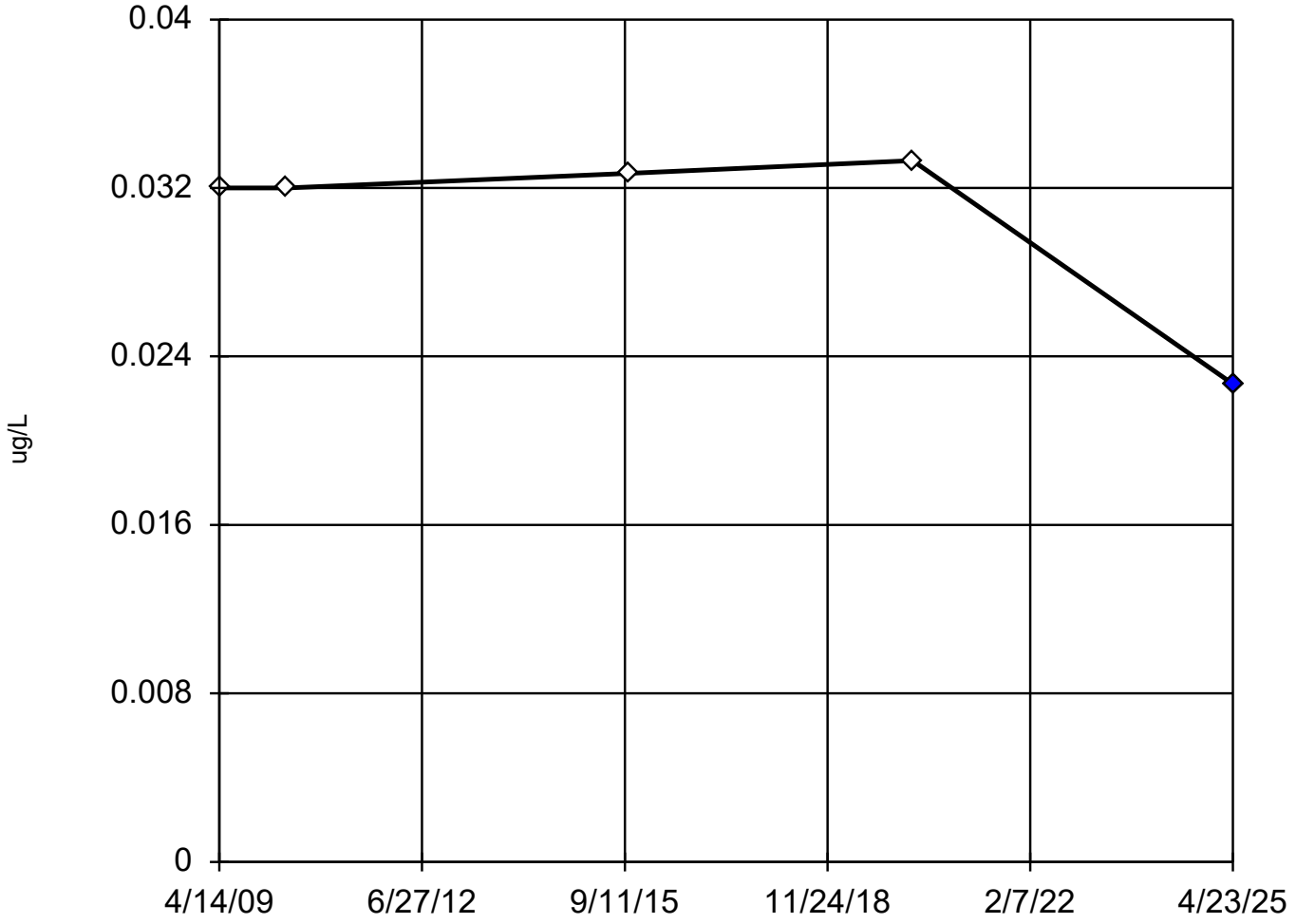
Constituent: 4,4`-DDD Analysis Run 7/13/2025 11:03 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-17A-00



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03054.
Std. Dev. = 0.004416.
<0.0227: c = 0.8774
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8658
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

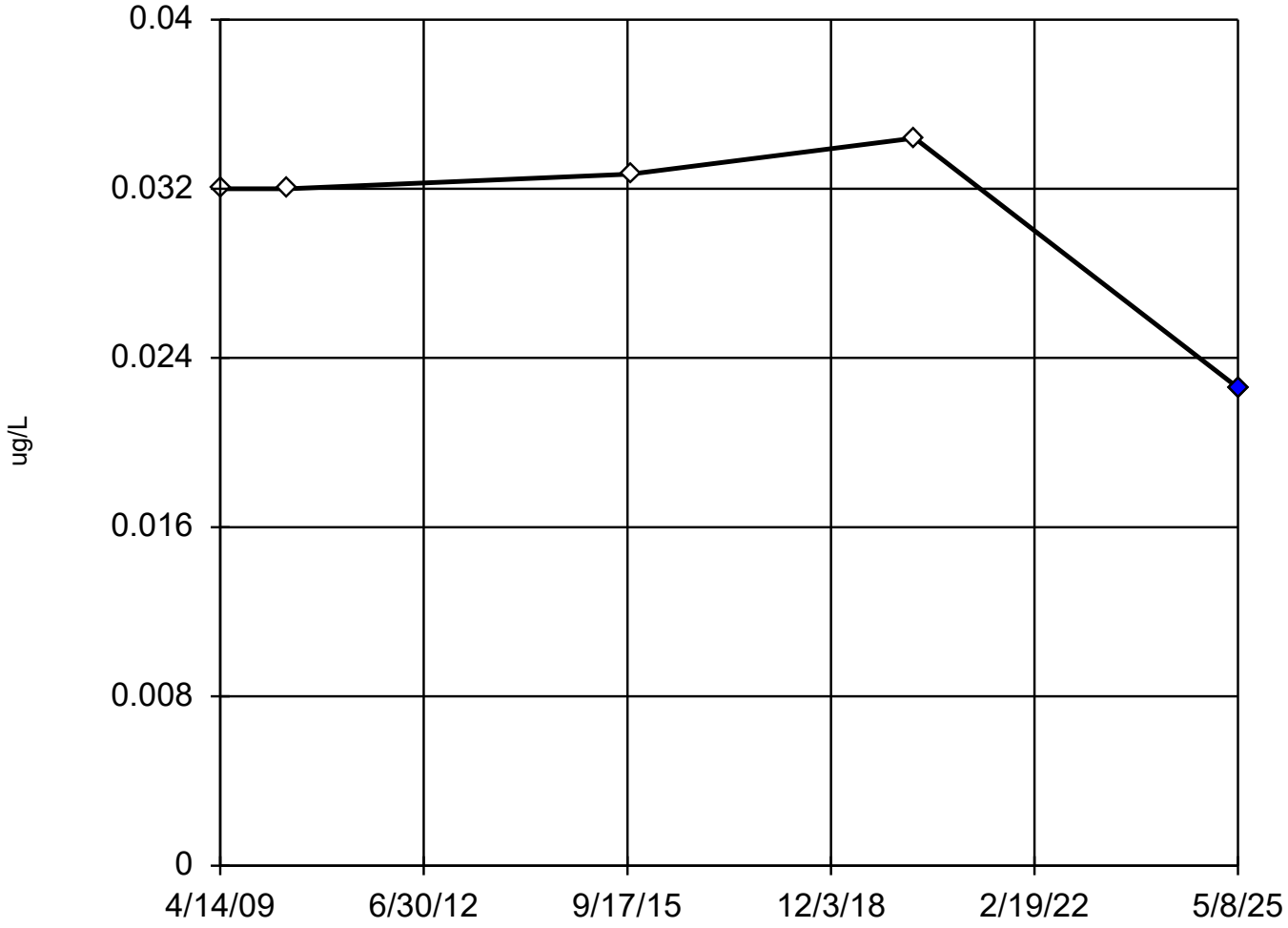
Constituent: 4,4`-DDD Analysis Run 7/13/2025 11:03 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-25A-00



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03074.
Std. Dev. = 0.004655.
<0.0226: c = 0.7966
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8112
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

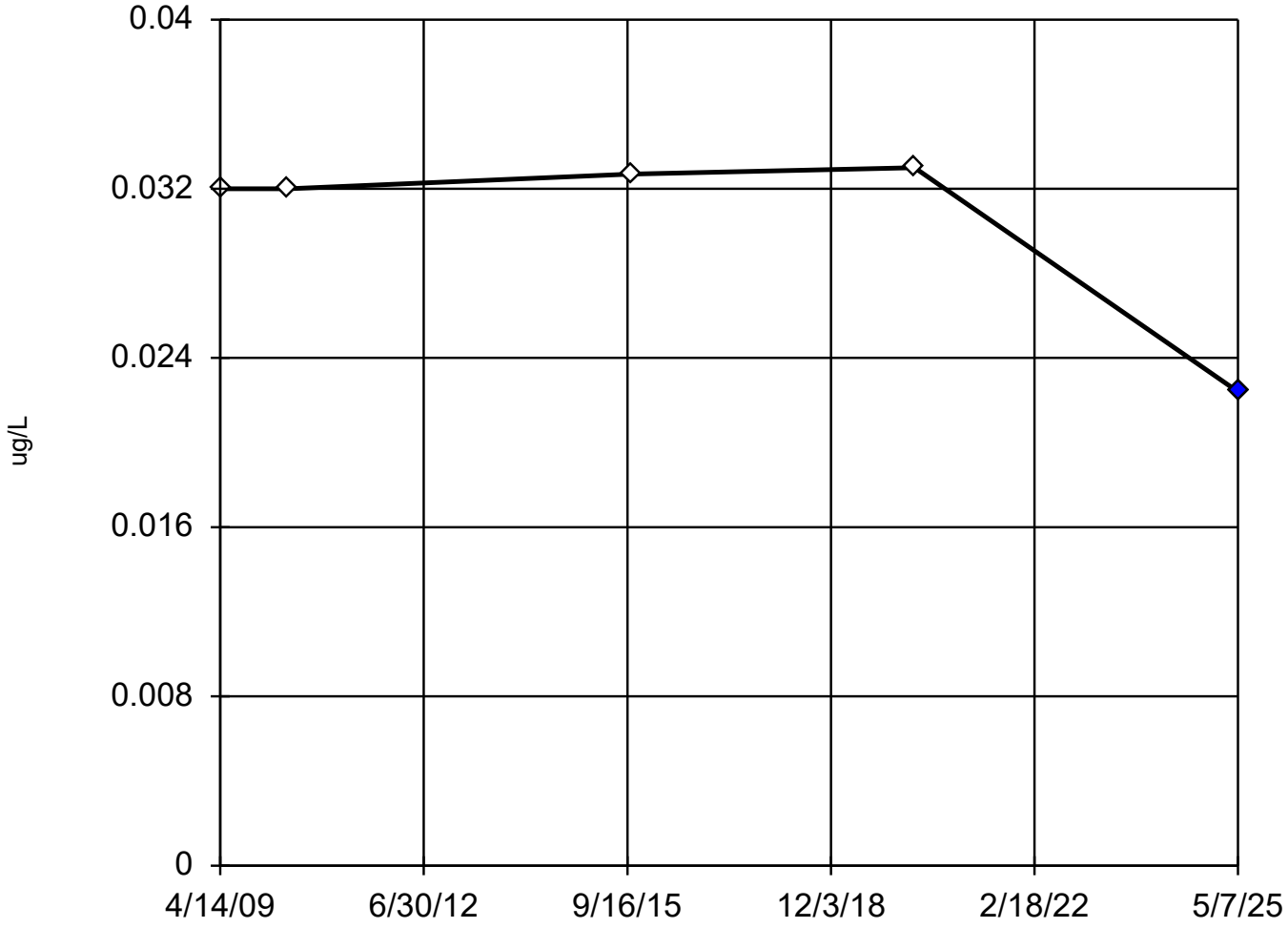
Constituent: 4,4`-DDD Analysis Run 7/13/2025 11:03 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-31B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03042.
Std. Dev. = 0.004505.
<0.0224: c = 0.9057
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8435
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

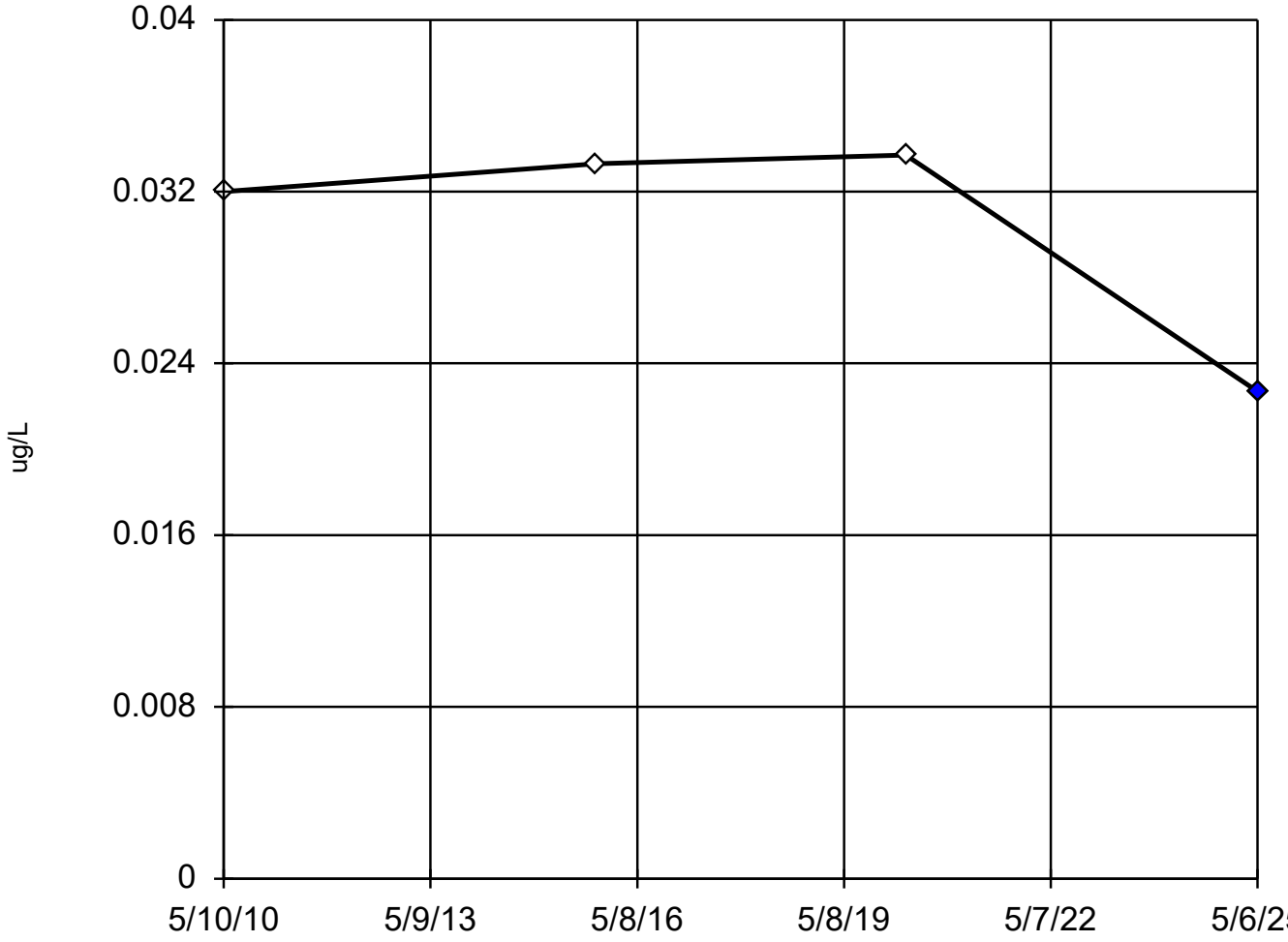
Constituent: 4,4`-DDD Analysis Run 7/13/2025 11:03 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-201A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03043.
Std. Dev. = 0.005201.
<0.0227: c = 0.8455
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9145
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

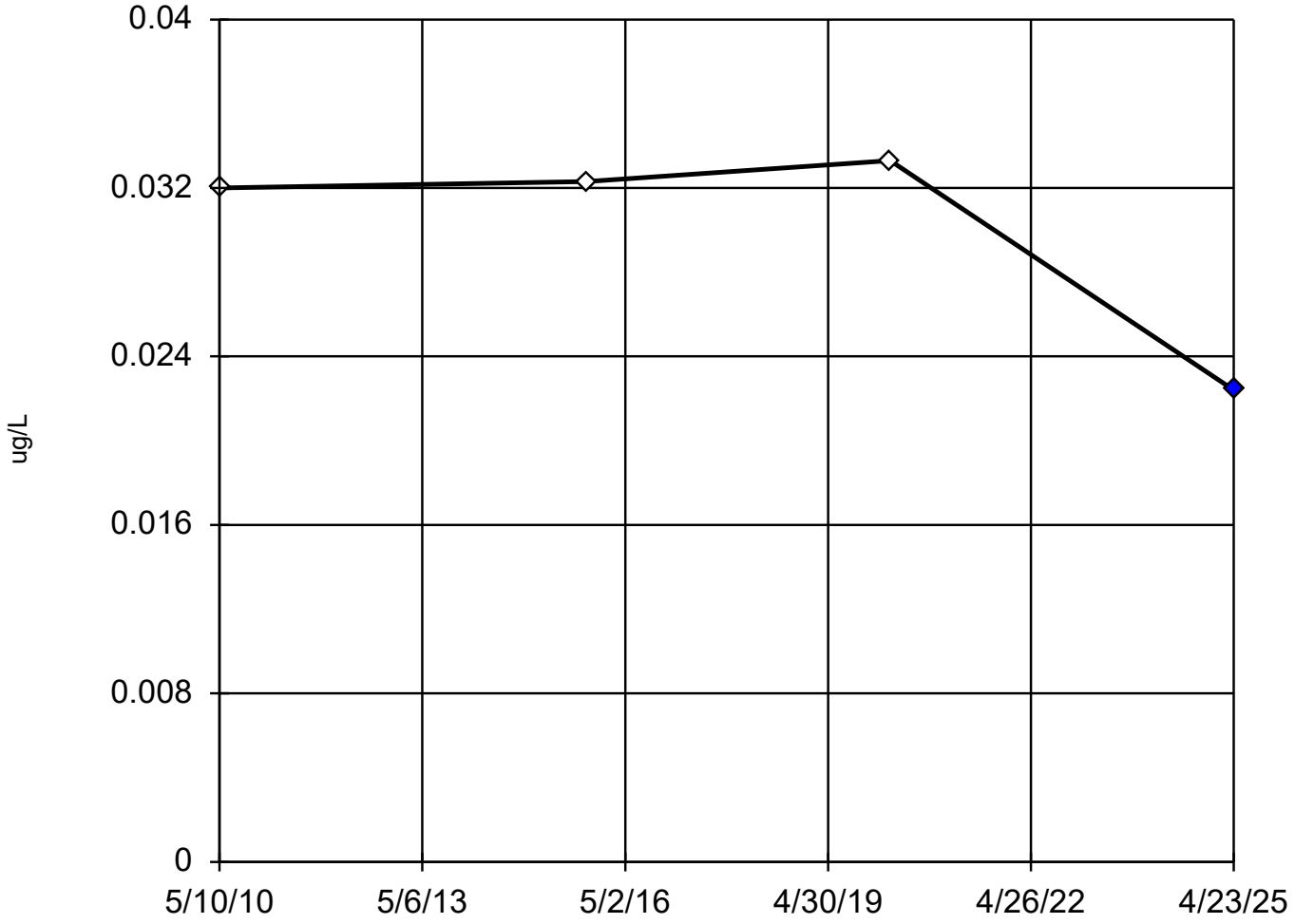
Constituent: 4,4`-DDD Analysis Run 7/13/2025 11:03 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-202A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03.
Std. Dev. = 0.005097.
<0.0224: c = 0.8807
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9119
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

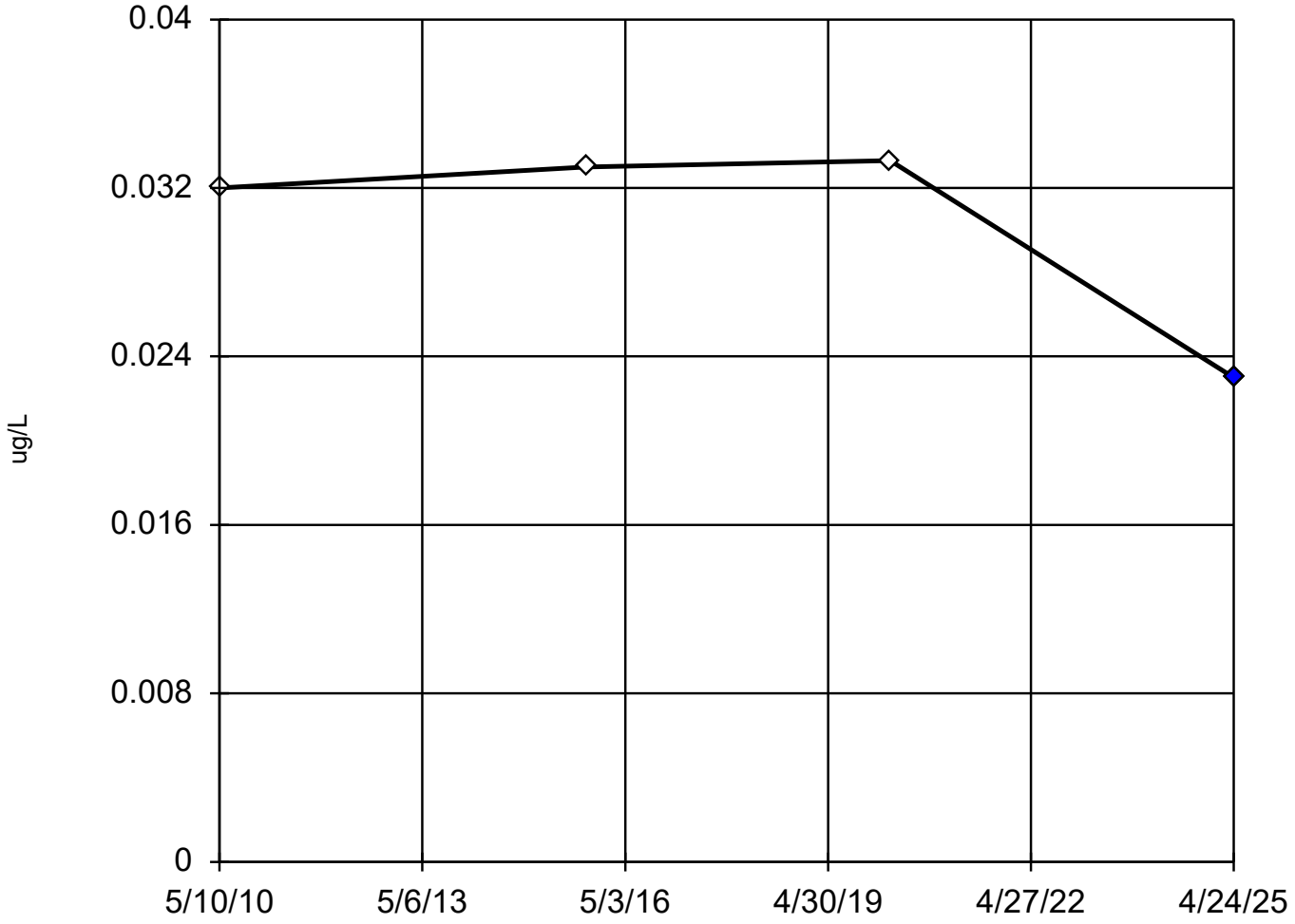
Constituent: 4,4`-DDD Analysis Run 7/13/2025 11:03 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03033.
Std. Dev. = 0.004915.
<0.023: c = 0.8738
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9119
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

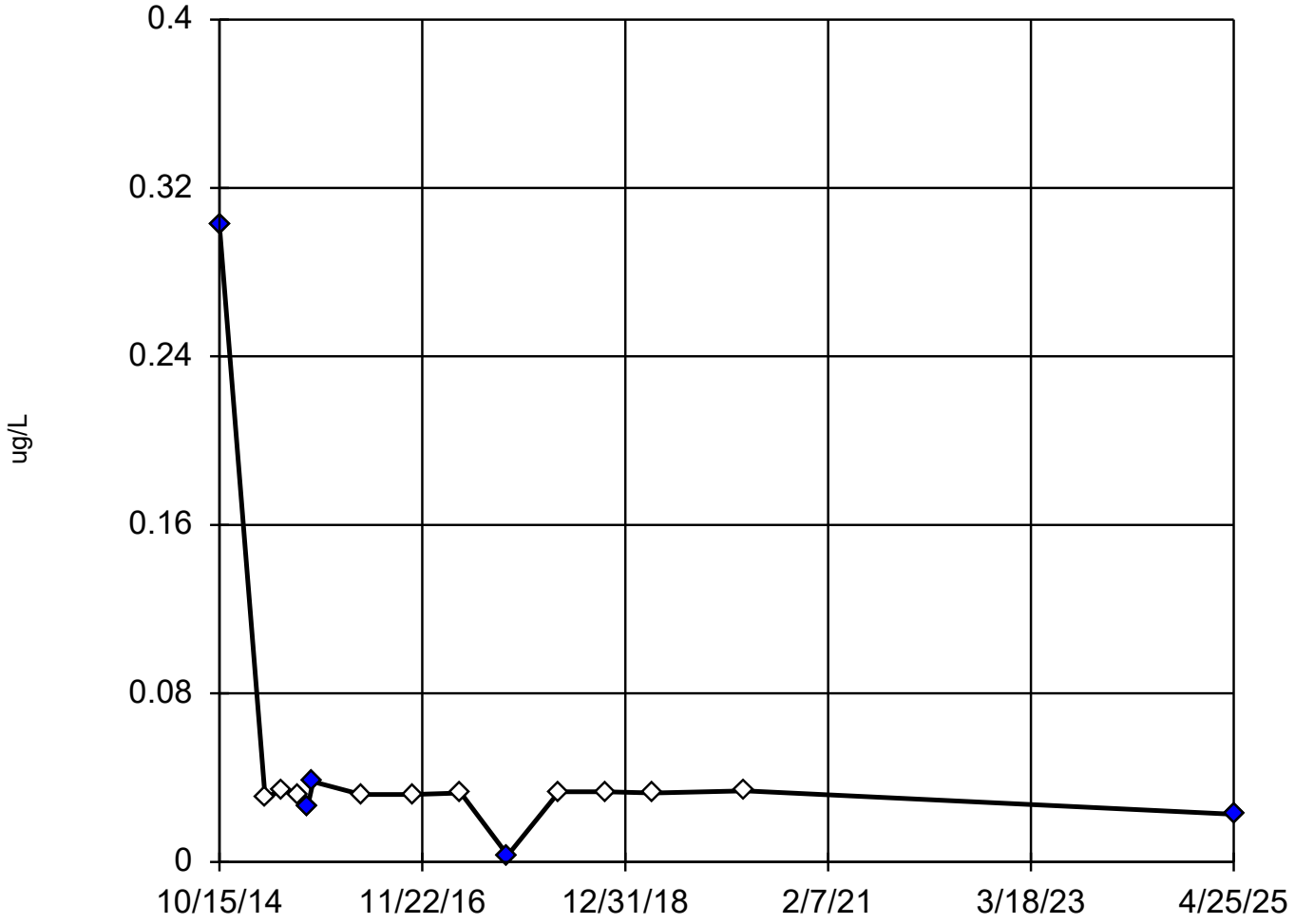
Constituent: 4,4`-DDD Analysis Run 7/13/2025 11:03 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-208B



n = 15

Statistical outliers are drawn as solid.
1 value manually flagged as an outlier.
Testing for 2 high and 3 low outliers.
Mean = 0.04789.
Std. Dev. = 0.07077.
0.0337: c = 0.7213
tabl = 0.525.
0.0263 (J): c = 0.7703
tabl = 0.525.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9155
Critical = 0.869
The distribution, after removal of suspect values, was found to be normally distributed.

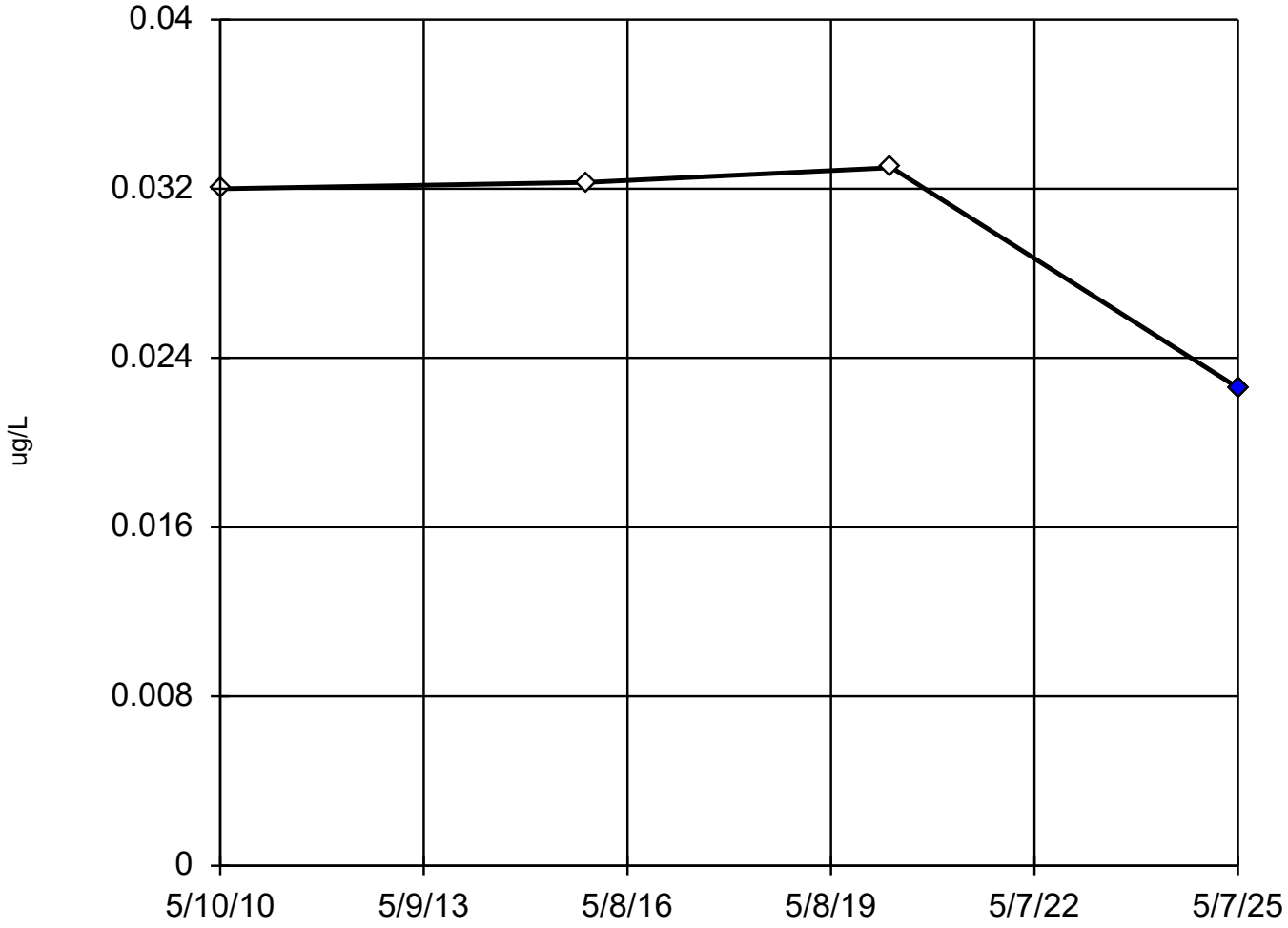
Constituent: 4,4`-DDD Analysis Run 7/13/2025 11:03 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-215A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02998.
Std. Dev. = 0.004934.
<0.0226: c = 0.9038
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9493
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

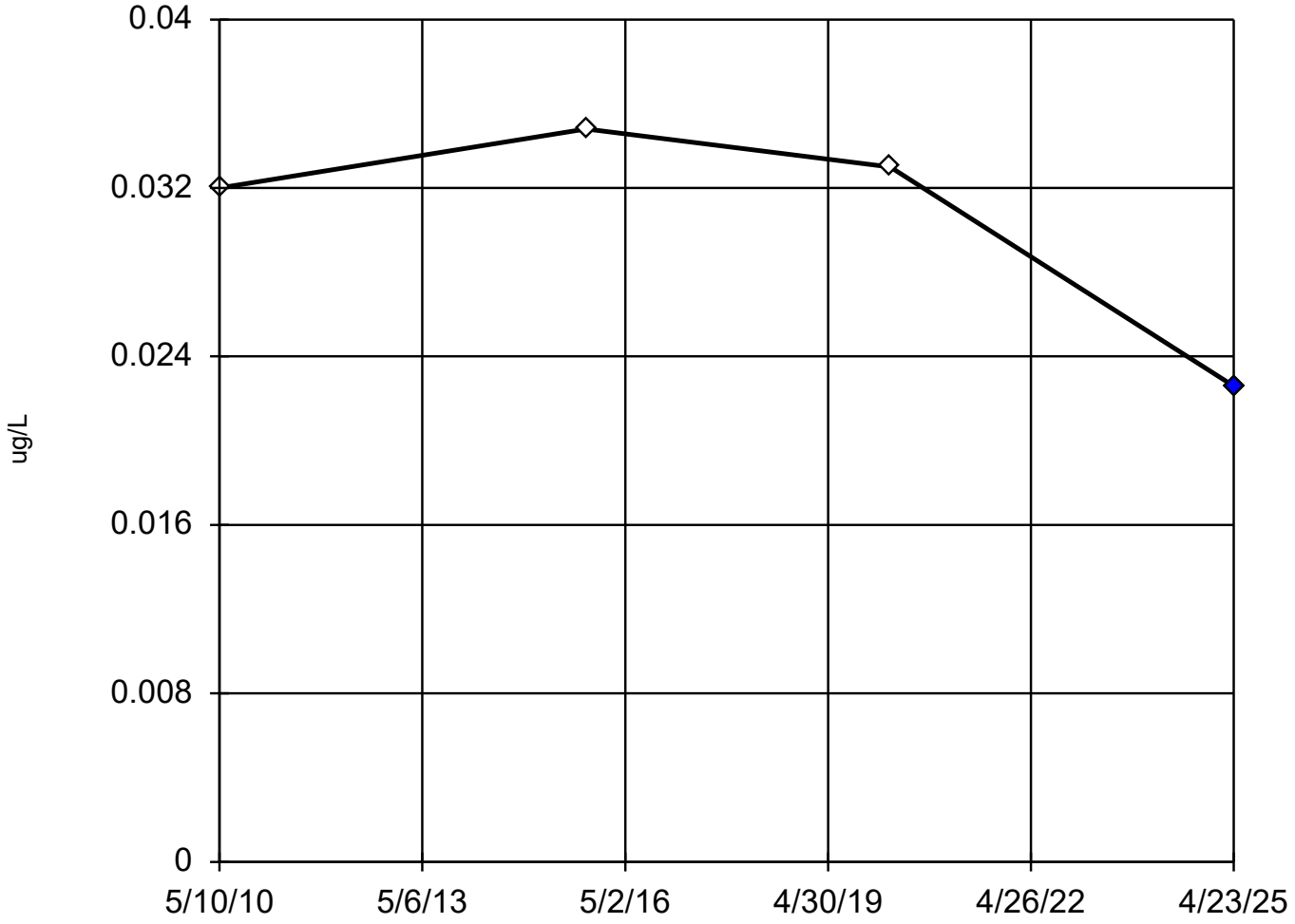
Constituent: 4,4`-DDD Analysis Run 7/13/2025 11:03 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-214A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.0306.
Std. Dev. = 0.005458.
<0.0226: c = 0.7705
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9735
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

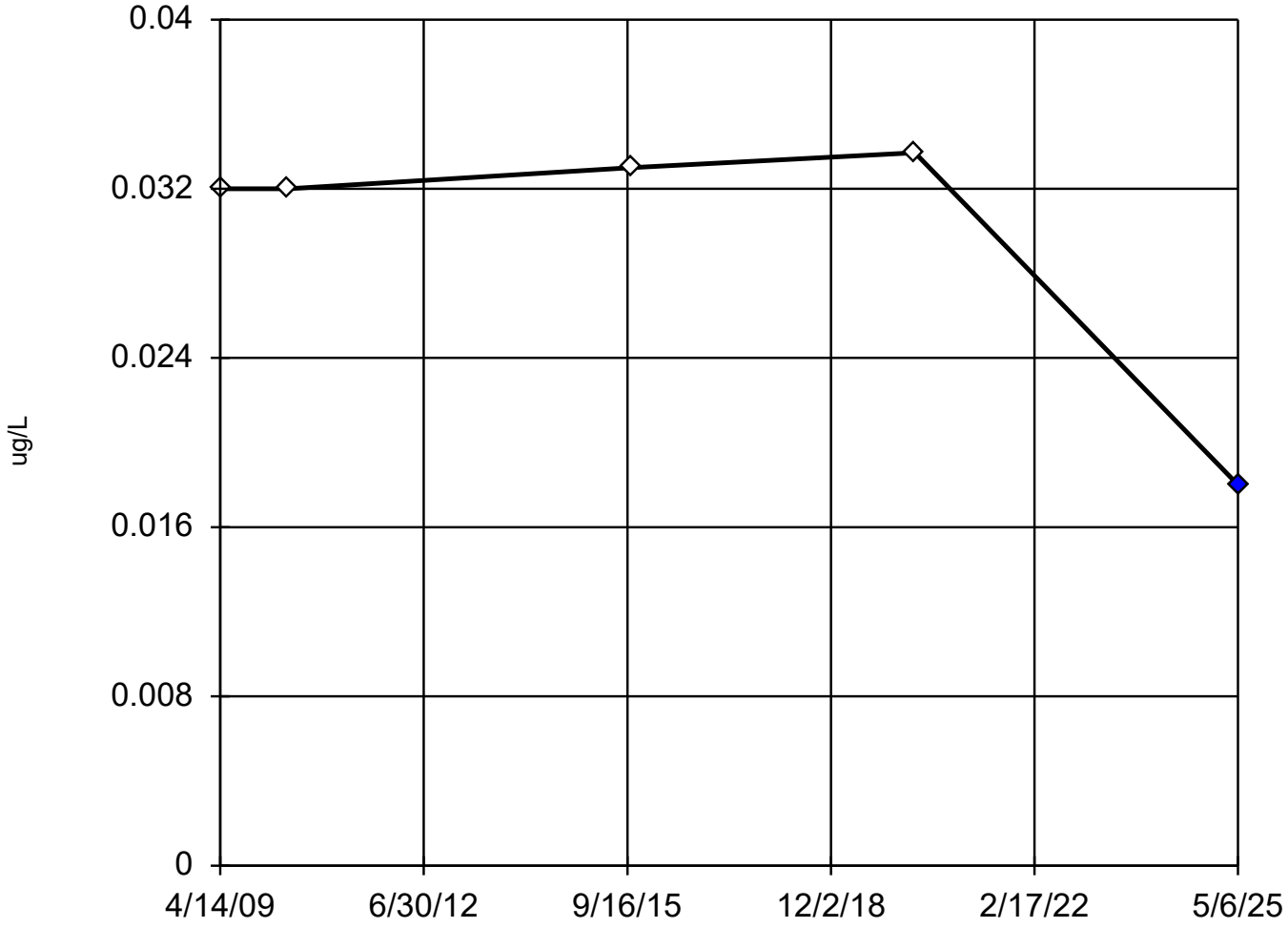
Constituent: 4,4`-DDD Analysis Run 7/13/2025 11:03 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-5B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02974.
Std. Dev. = 0.006602.
<0.018: c = 0.8917
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8632
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

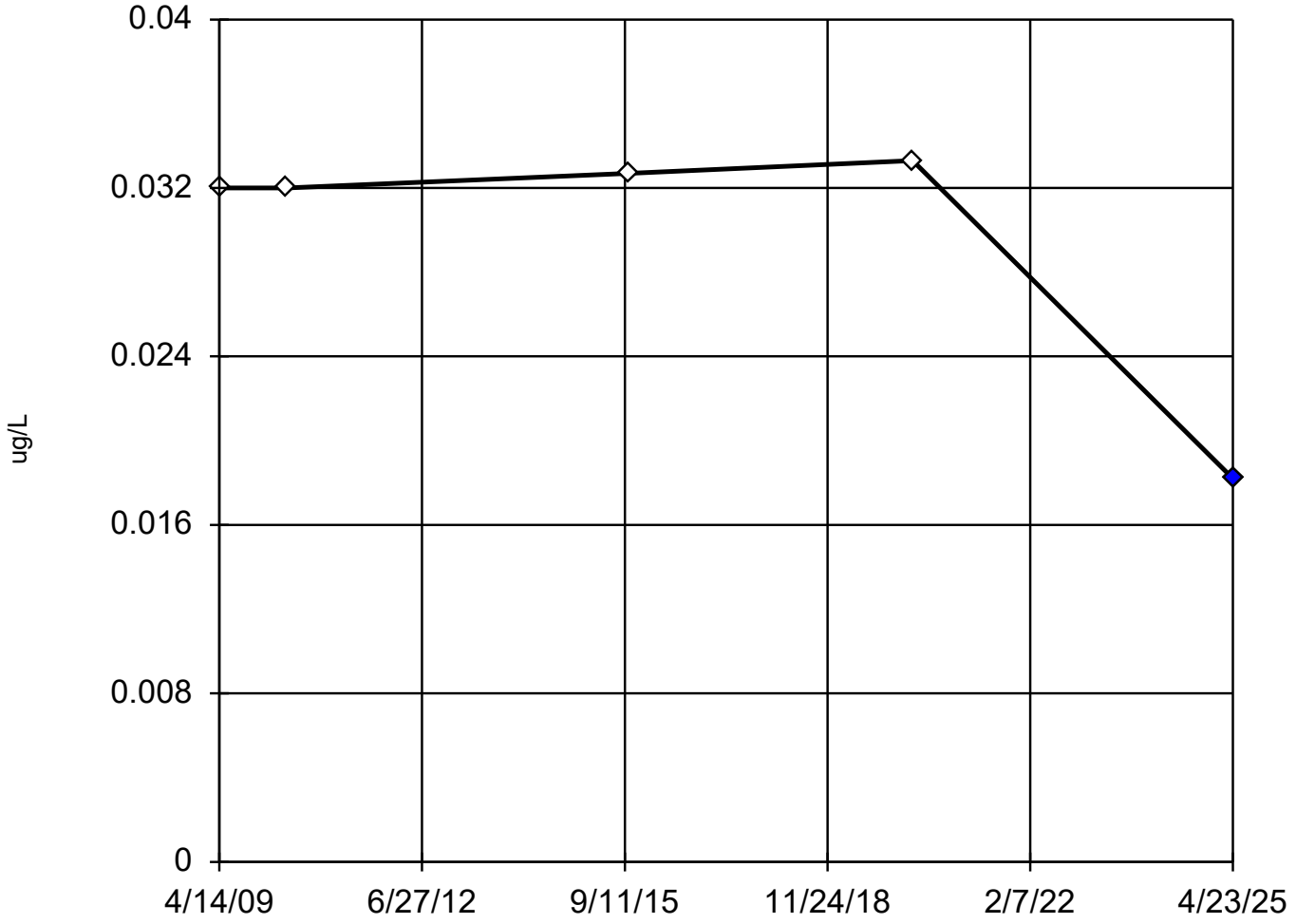
Constituent: 4,4`-DDT Analysis Run 7/13/2025 11:04 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-17A-00



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02964.
Std. Dev. = 0.006418.
<0.0182: c = 0.9139
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8658
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: 4,4`-DDT Analysis Run 7/13/2025 11:04 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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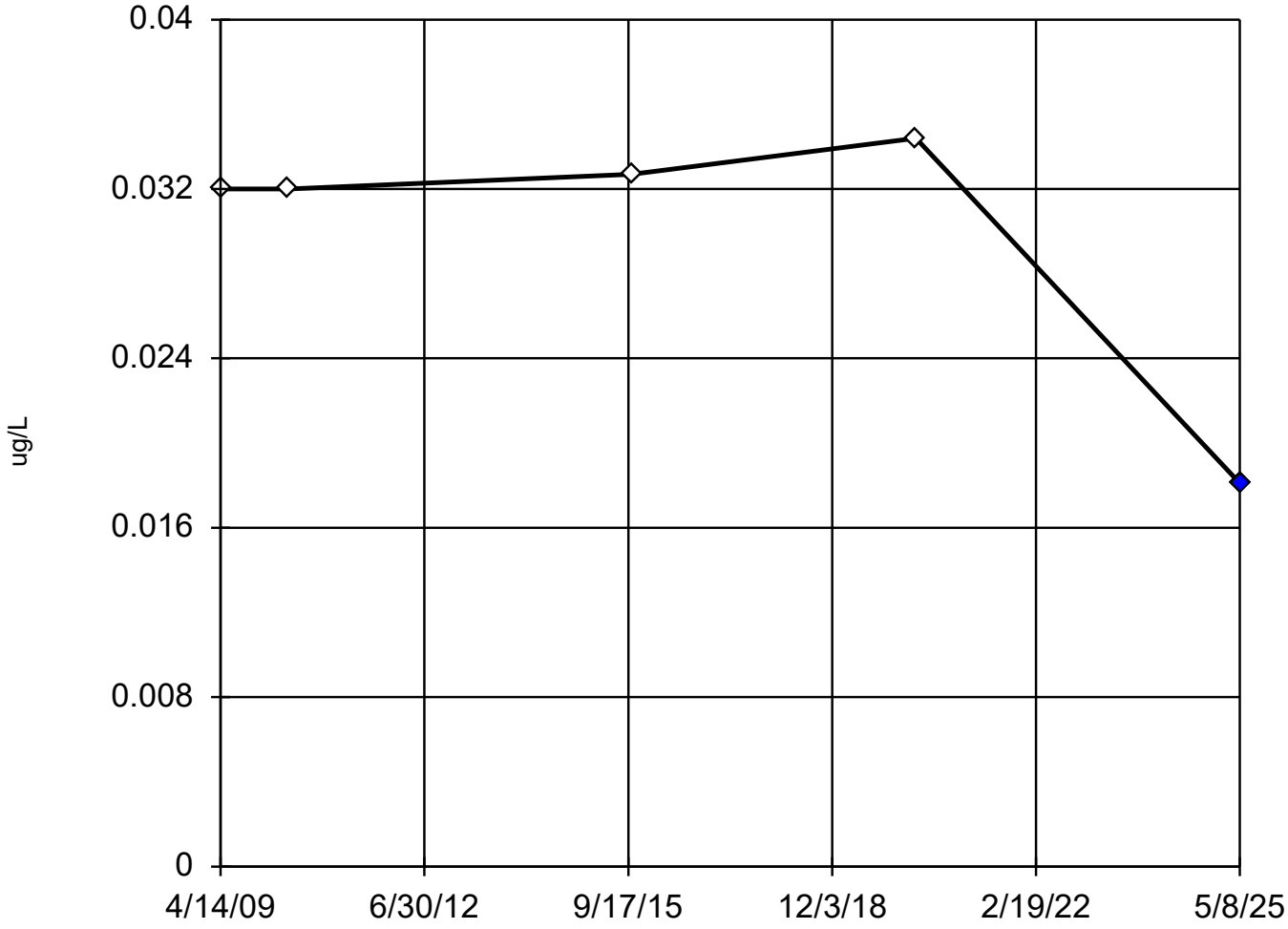
Dixon's Outlier Test

MW-25A-00



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02984.
Std. Dev. = 0.006636.
<0.0181: c = 0.8528
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8112
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

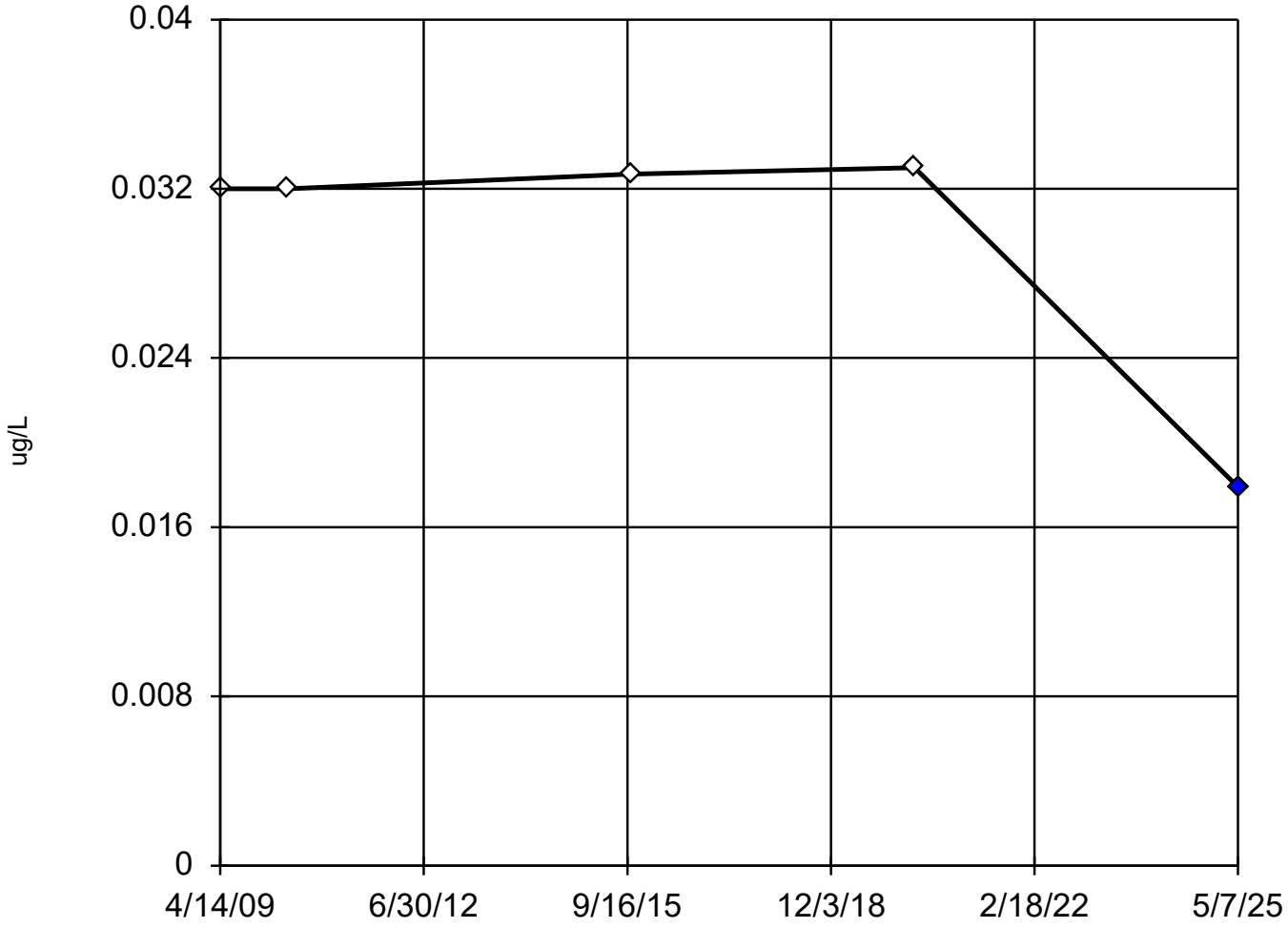
Constituent: 4,4`-DDT Analysis Run 7/13/2025 11:04 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-31B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02952.
Std. Dev. = 0.006511.
<0.0179: c = 0.9338
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8435
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

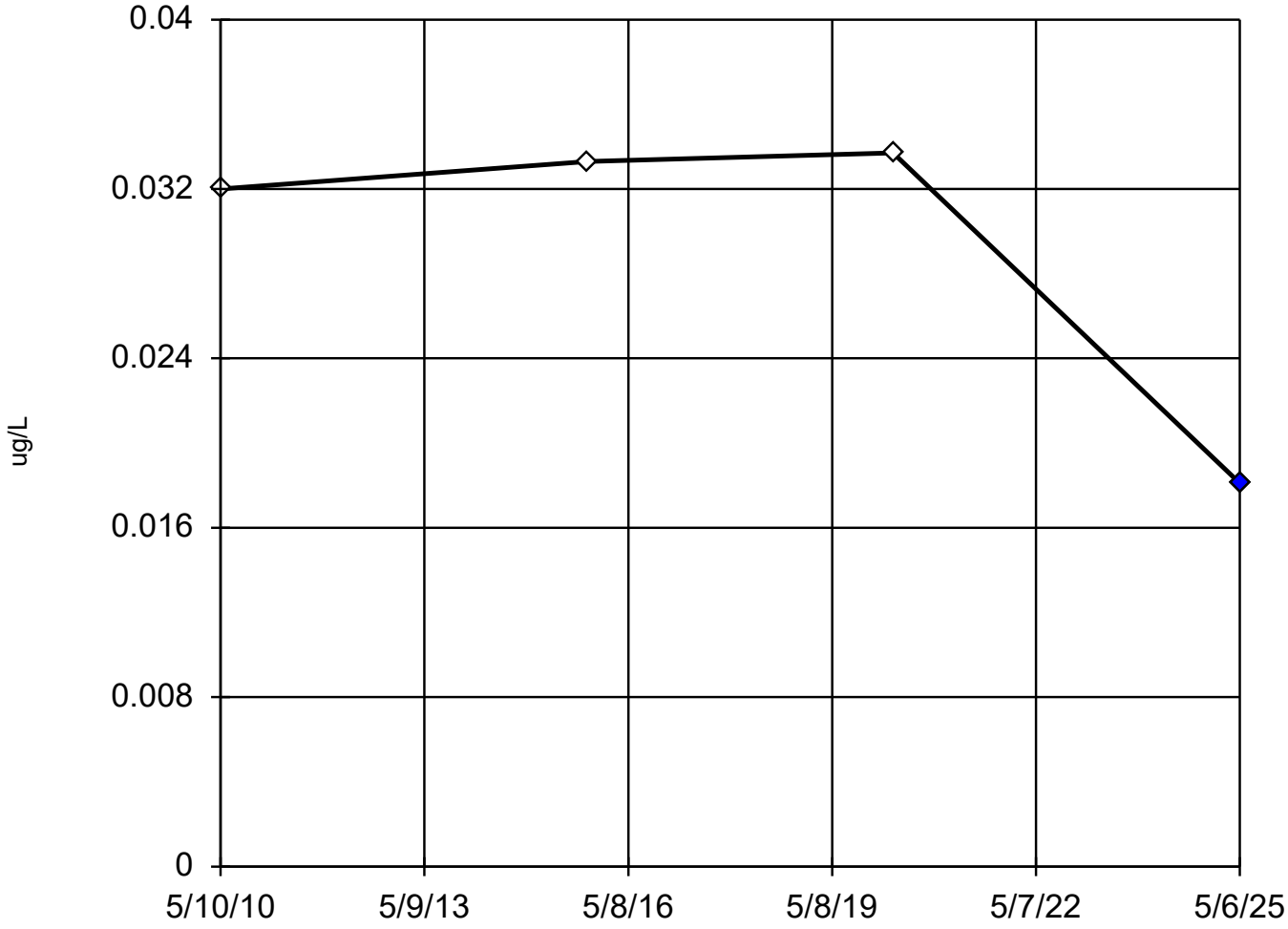
Constituent: 4,4`-DDT Analysis Run 7/13/2025 11:04 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-201A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02928.
Std. Dev. = 0.007485.
<0.0181: c = 0.891
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9145
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

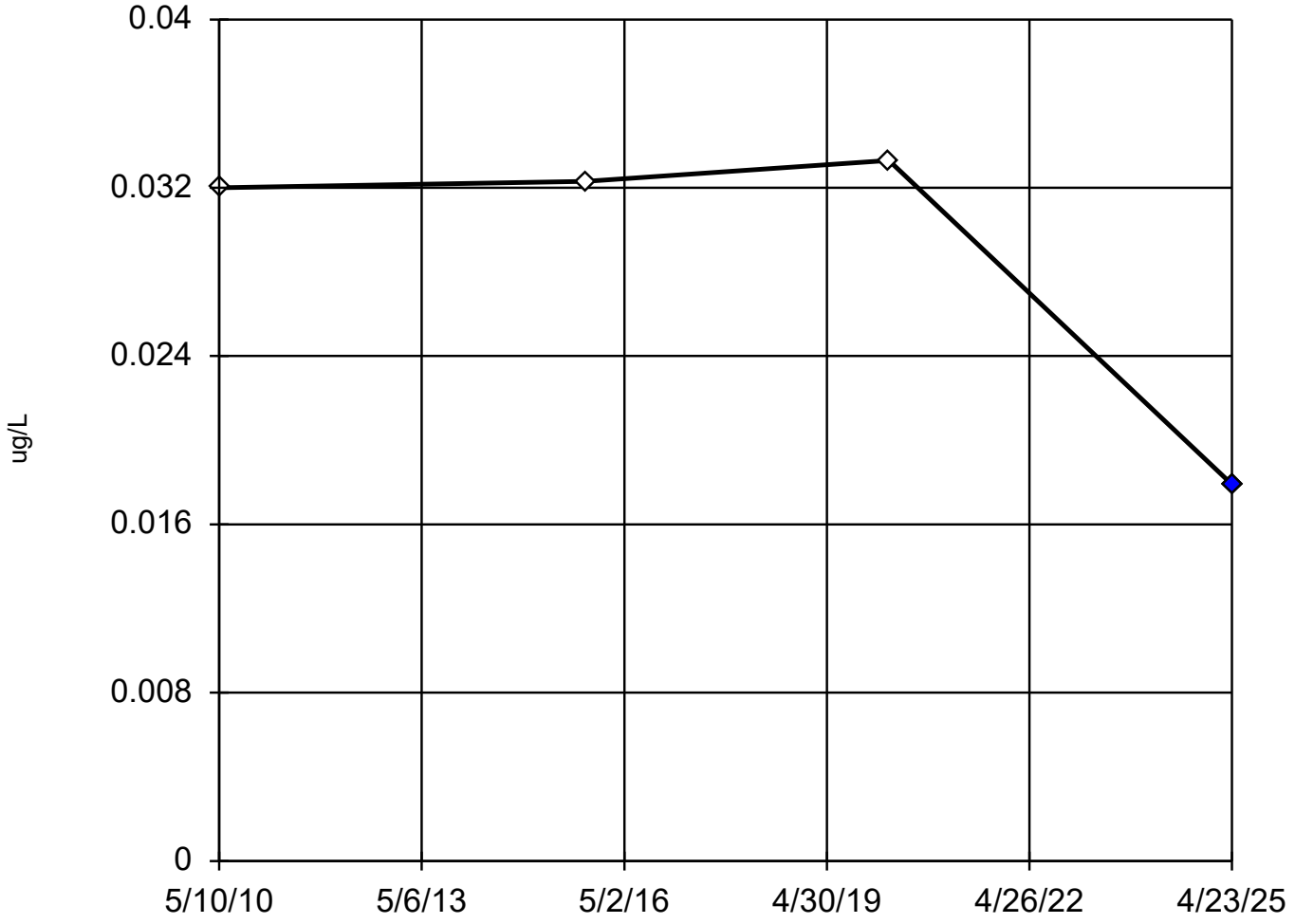
Constituent: 4,4`-DDT Analysis Run 7/13/2025 11:04 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-202A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02888.
Std. Dev. = 0.007338.
<0.0179: c = 0.9156
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9119
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: 4,4`-DDT Analysis Run 7/13/2025 11:04 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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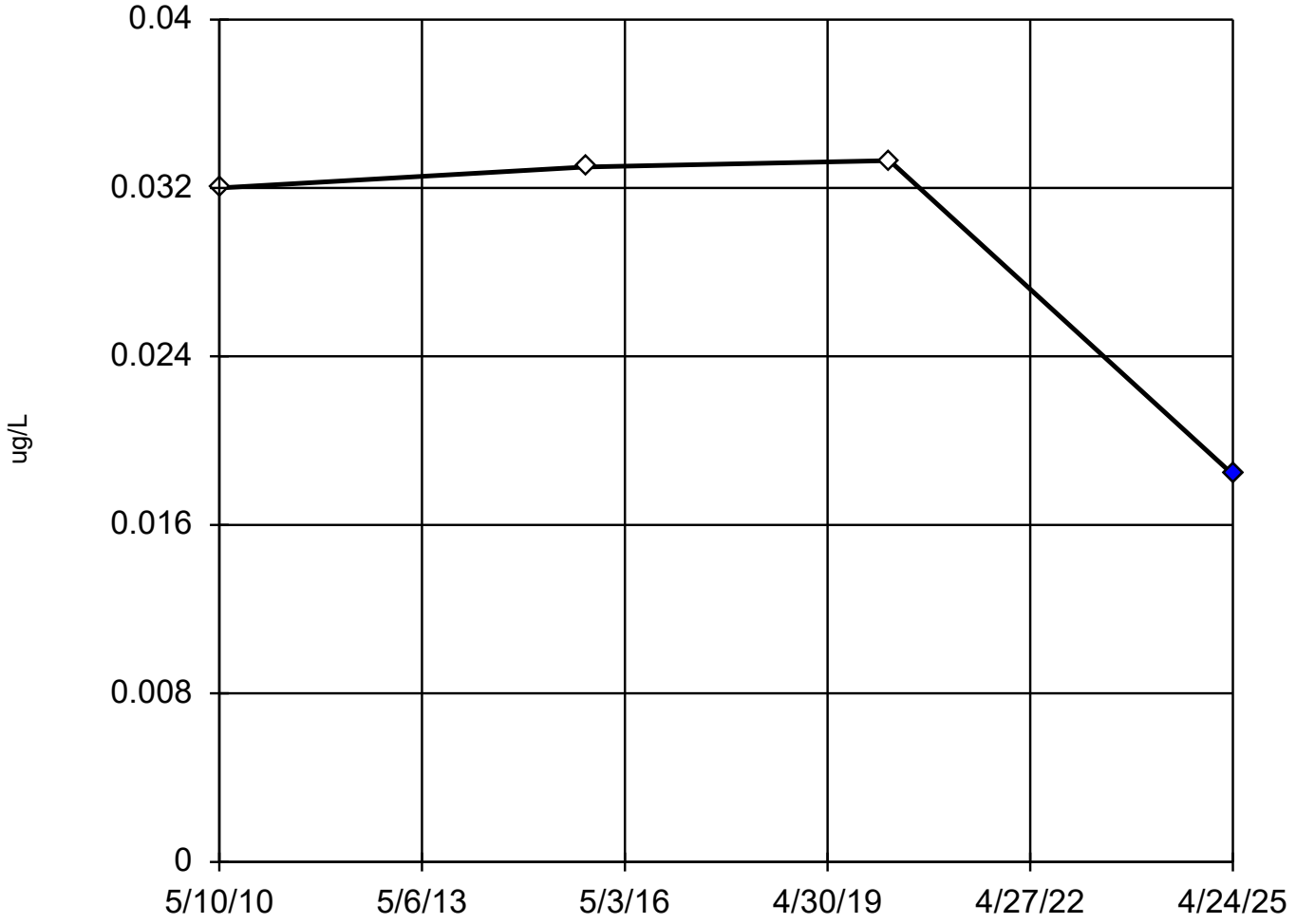
Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02918.
Std. Dev. = 0.007205.
<0.0184: c = 0.9128
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9119
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: 4,4`-DDT Analysis Run 7/13/2025 11:04 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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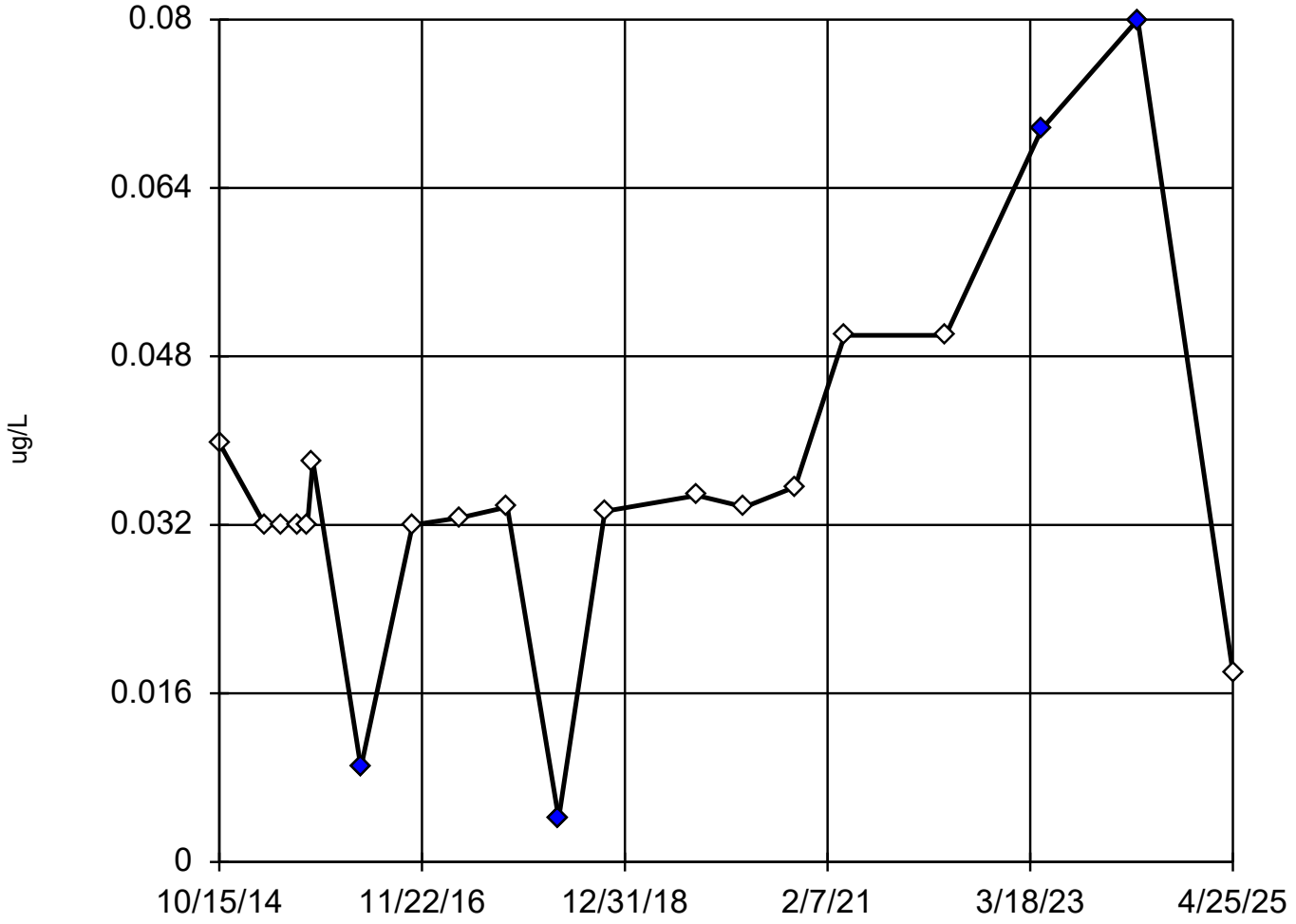
Tukey's Outlier Screening

MW-208B



n = 20

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.06387, low cutoff = 0.01525, based on IQR multiplier of 3.

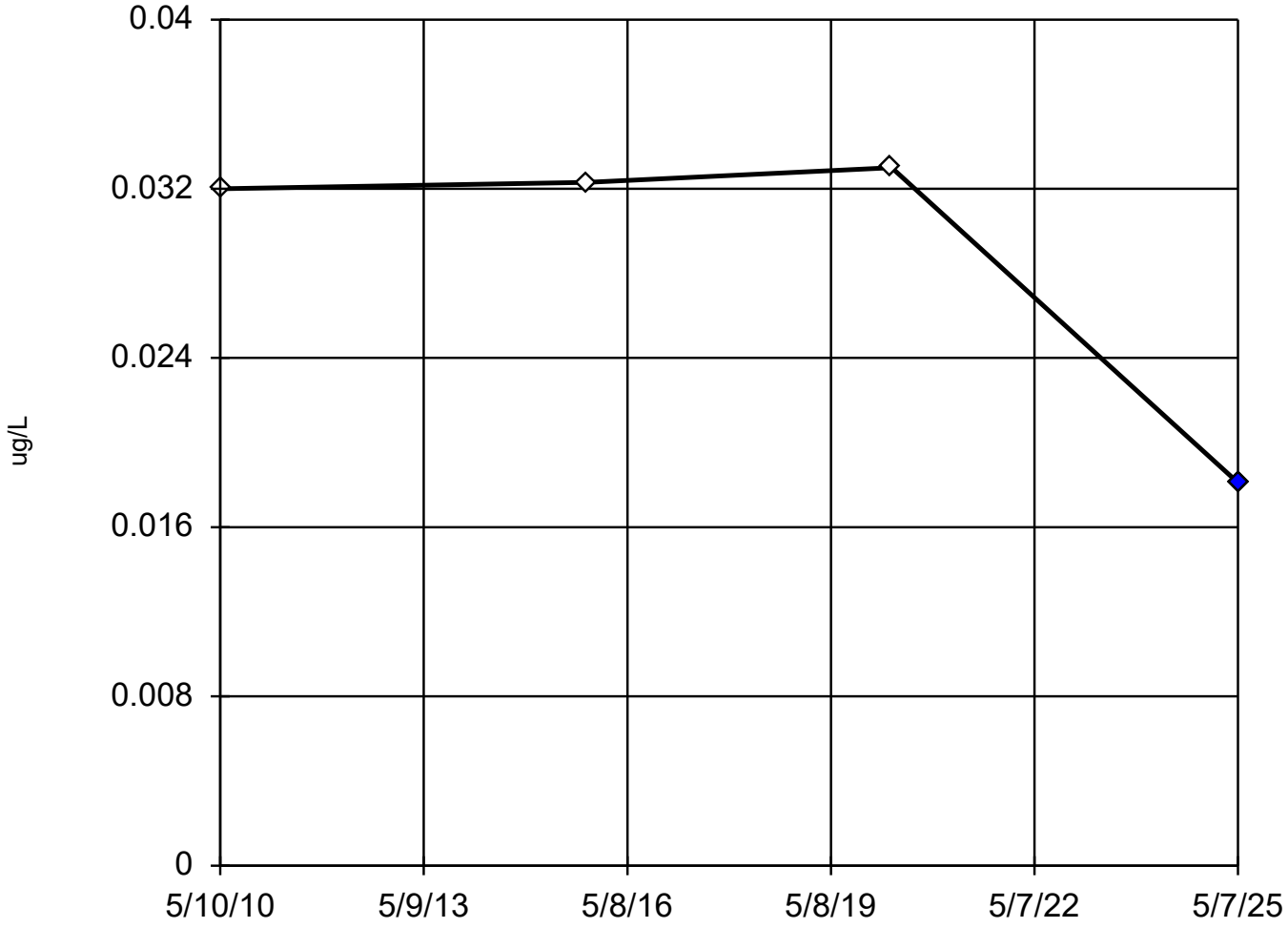
Constituent: 4,4`-DDT Analysis Run 7/13/2025 11:04 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-215A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02885.
Std. Dev. = 0.007179.
<0.0181: c = 0.9329
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9493
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

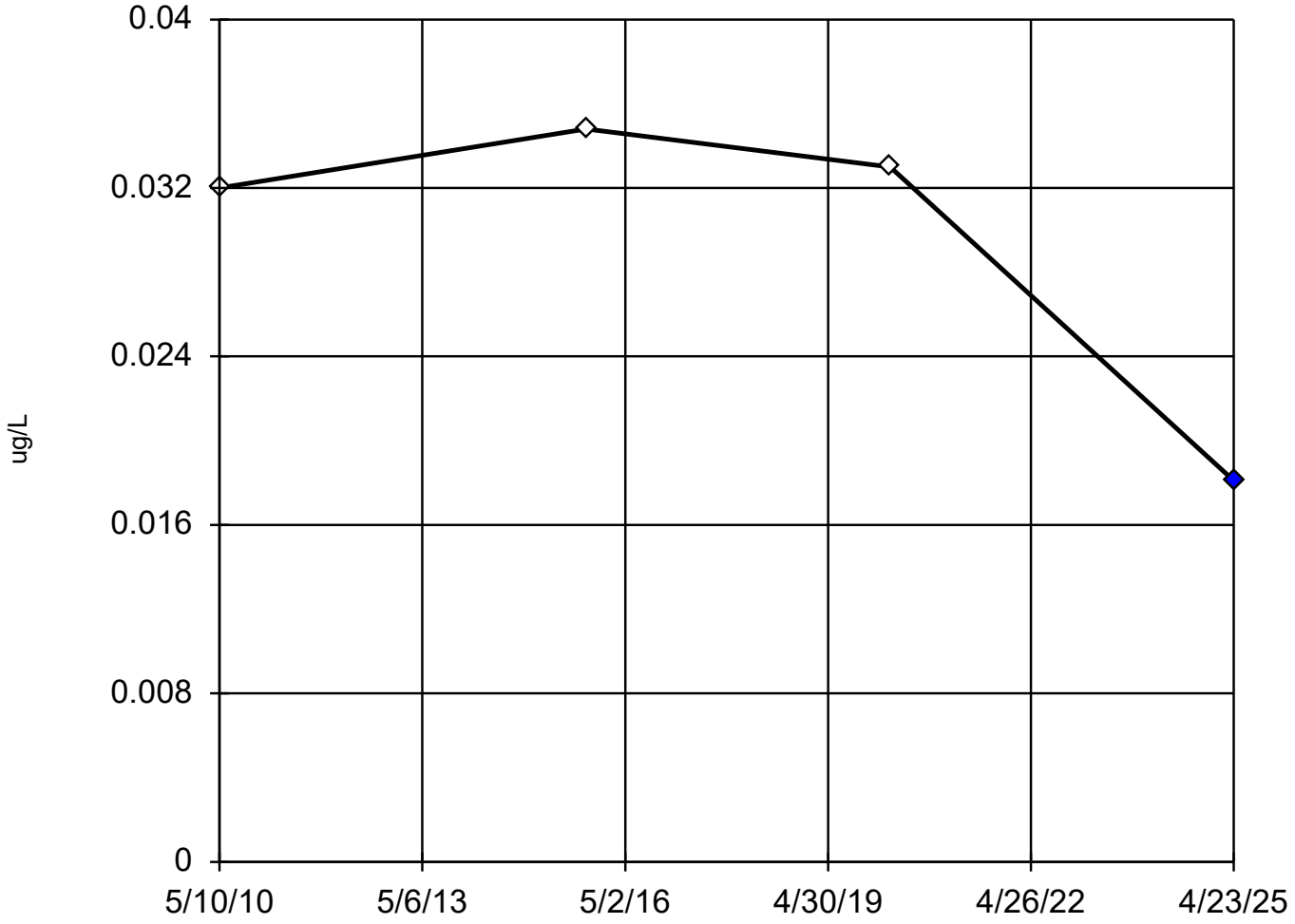
Constituent: 4,4`-DDT Analysis Run 7/13/2025 11:04 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-214A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02948.
Std. Dev. = 0.007671.
<0.0181: c = 0.8323
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9735
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

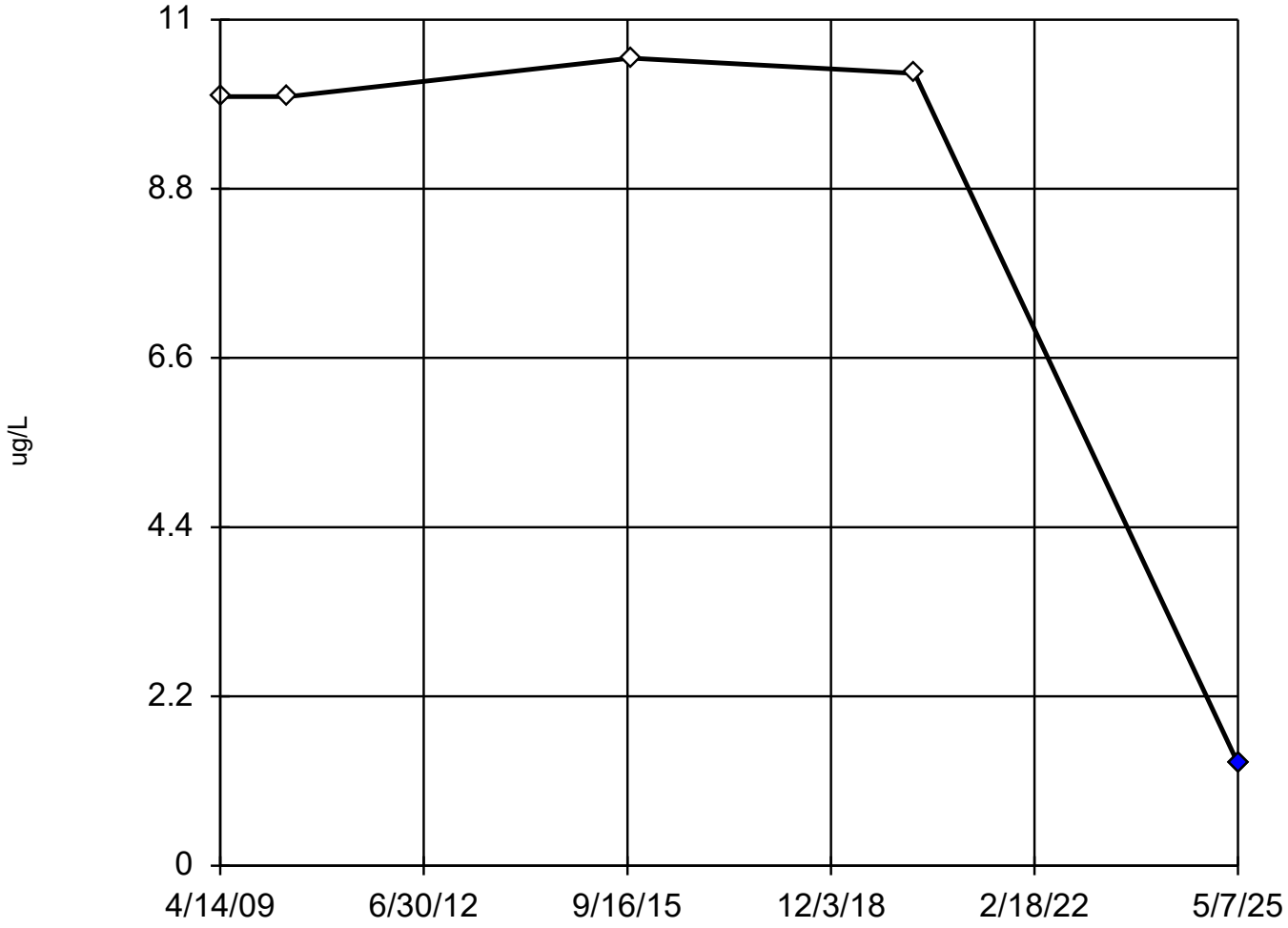
Constituent: 4,4`-DDT Analysis Run 7/13/2025 11:04 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-24A



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.426.
Std. Dev. = 3.972.
<1.33: c = 0.9455
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.862
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

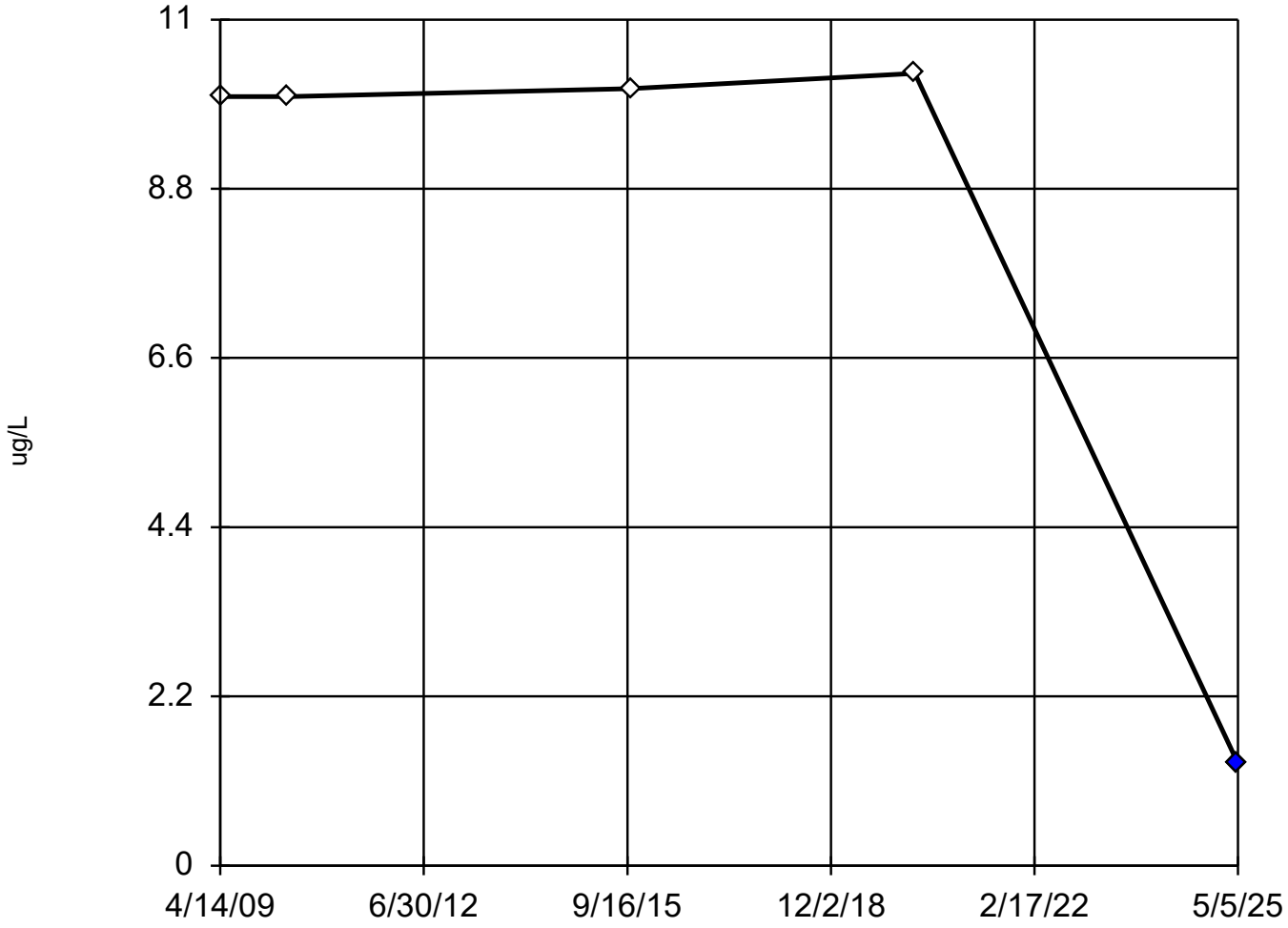
Constituent: Benzyl alcohol Analysis Run 7/13/2025 11:07 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-29A



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.346.
Std. Dev. = 3.924.
<1.33: c = 0.9666
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8283
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

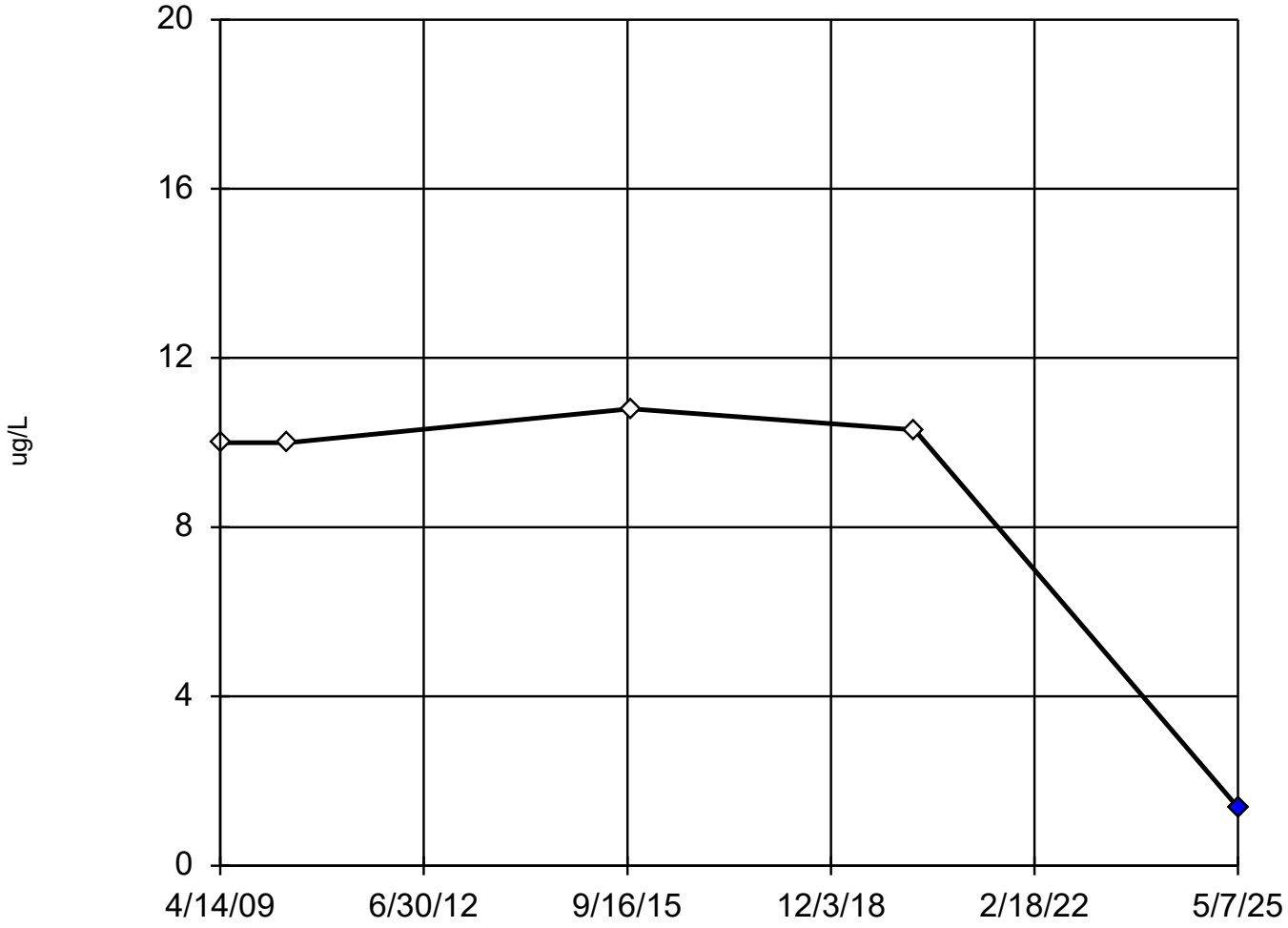
Constituent: Benzyl alcohol Analysis Run 7/13/2025 11:07 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-31B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.496.
Std. Dev. = 3.991.
<1.38: c = 0.9151
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8423
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

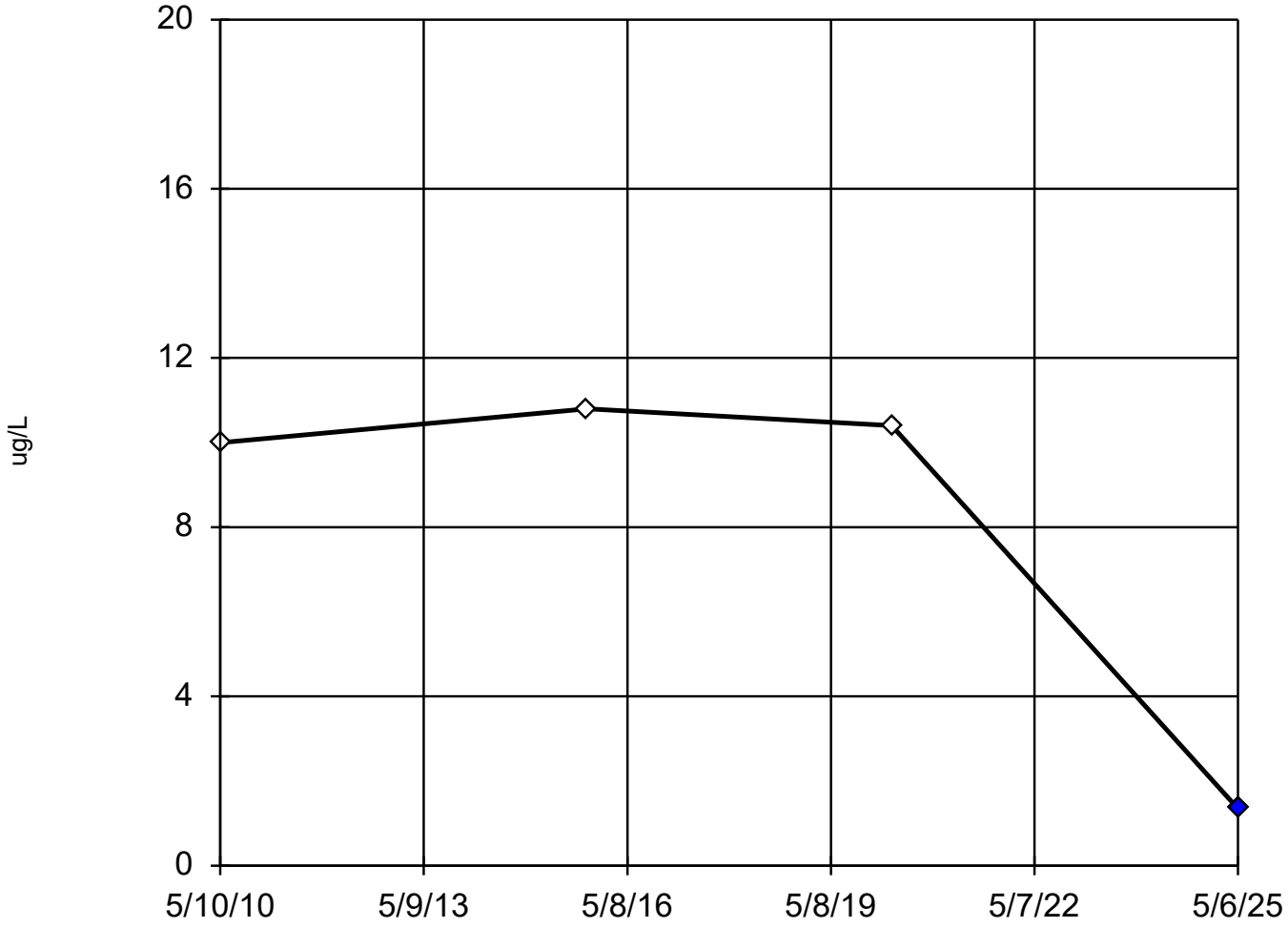
Constituent: Benzyl alcohol Analysis Run 7/13/2025 11:07 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-201A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.137.
Std. Dev. = 4.537.
<1.35: c = 0.9153
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 1
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

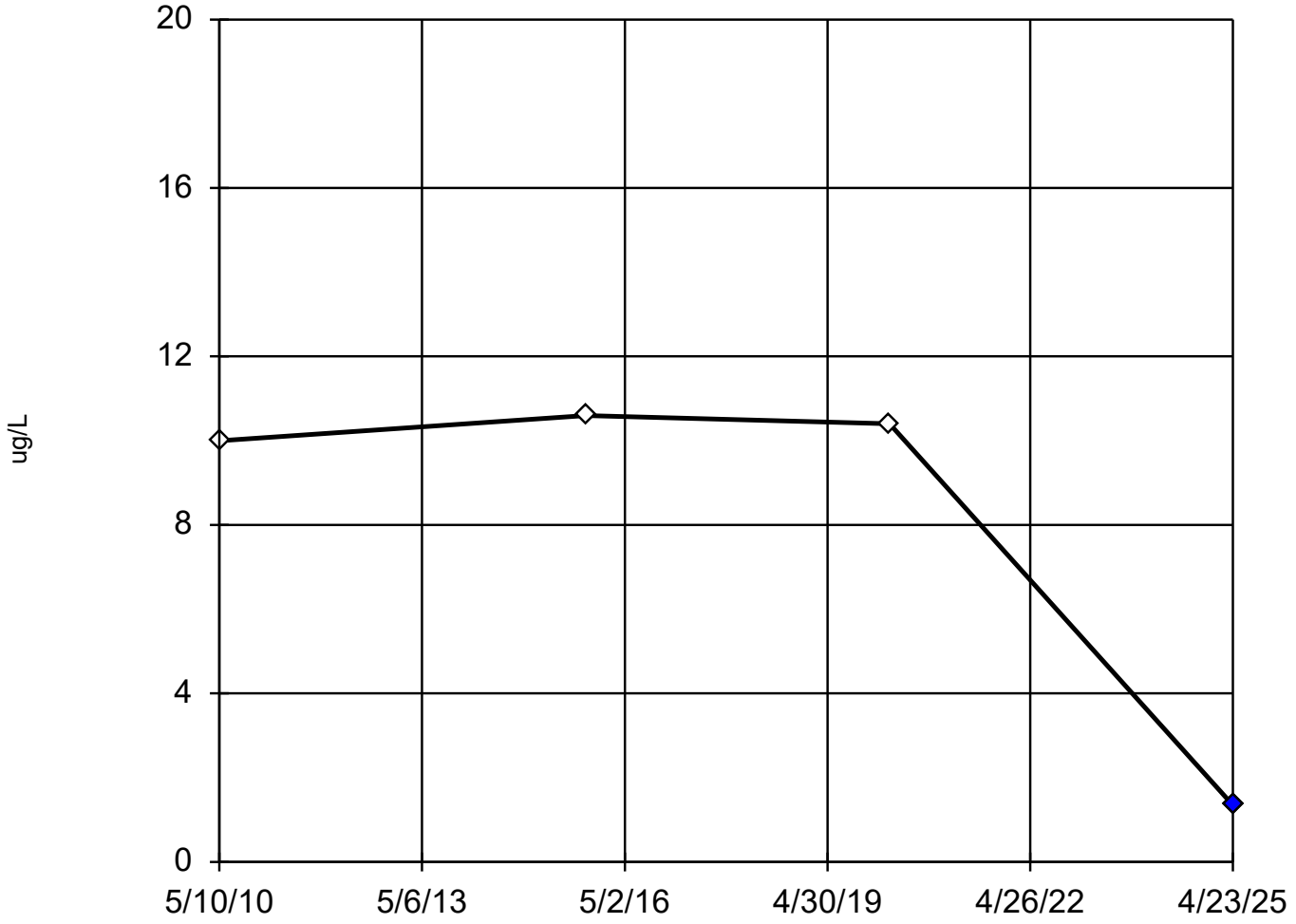
Constituent: Benzyl alcohol Analysis Run 7/13/2025 11:07 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-202A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.088.
Std. Dev. = 4.499.
<1.35: c = 0.9351
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

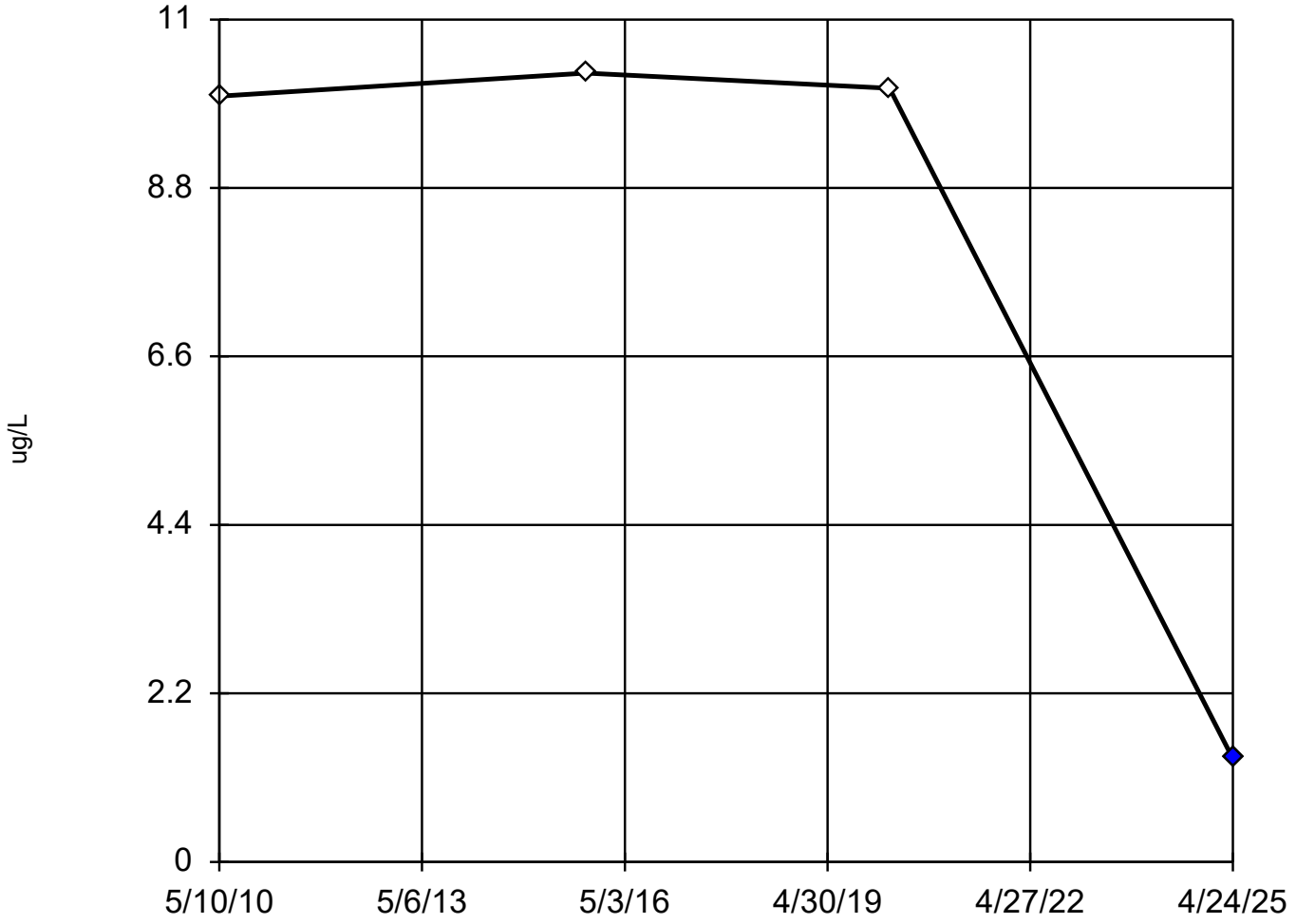
Constituent: Benzyl alcohol Analysis Run 7/13/2025 11:07 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.938.
Std. Dev. = 4.393.
<1.35: c = 0.9665
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

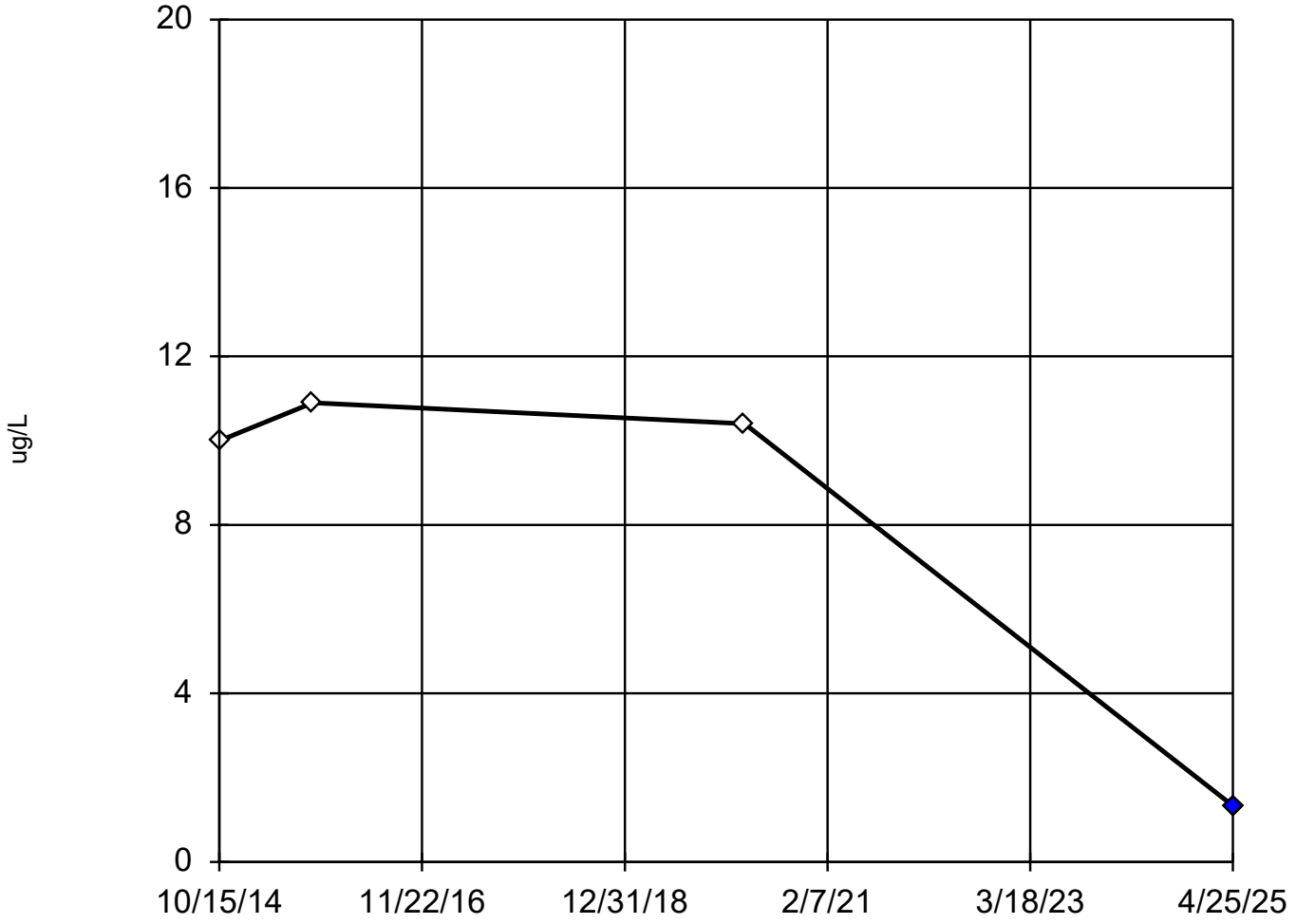
Constituent: Benzyl alcohol Analysis Run 7/13/2025 11:08 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-208B



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.157.
Std. Dev. = 4.567.
<1.33: c = 0.906
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9959
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

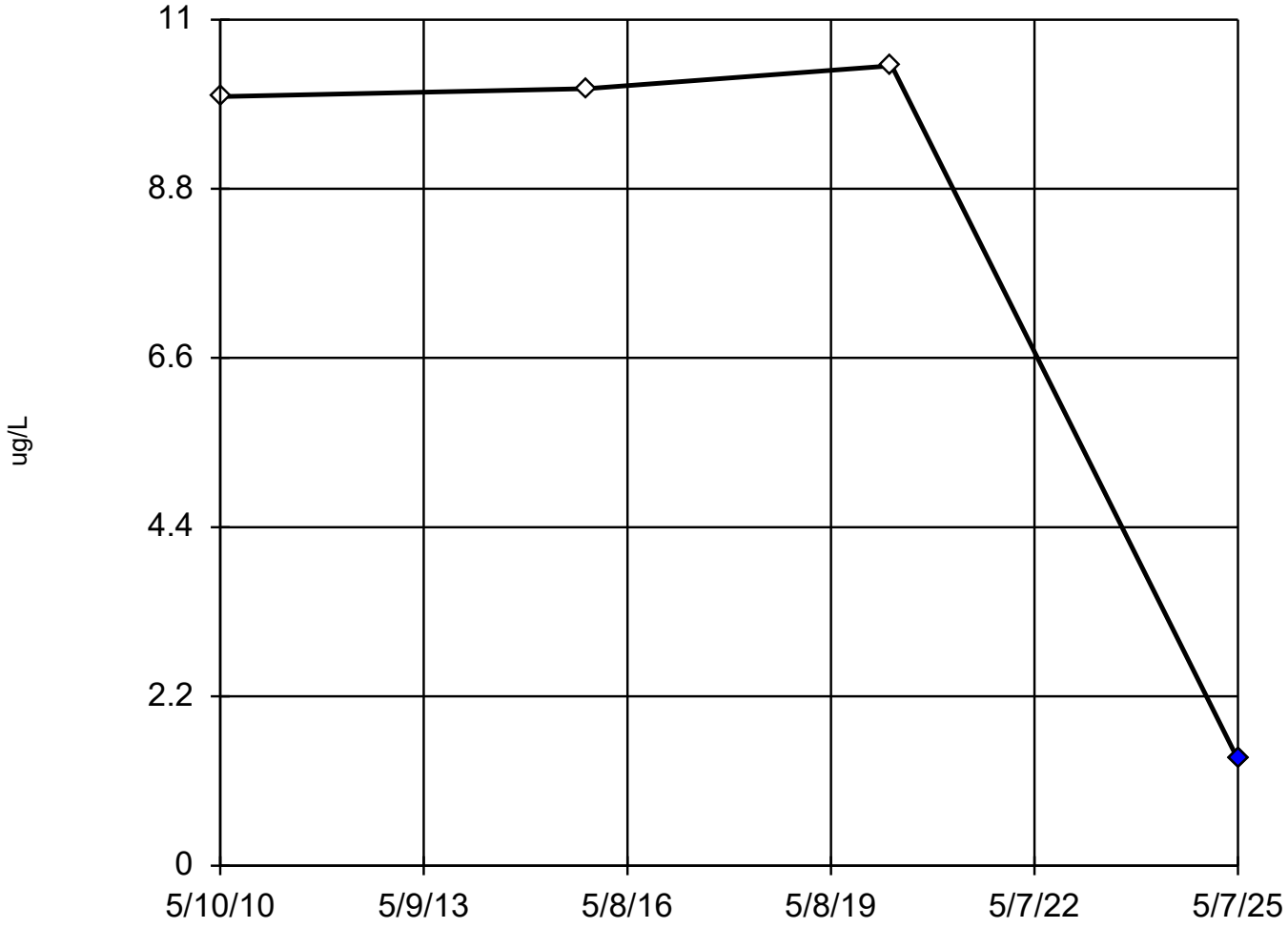
Constituent: Benzyl alcohol Analysis Run 7/13/2025 11:08 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-215A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.97.
Std. Dev. = 4.397.
<1.38: c = 0.9557
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9231
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

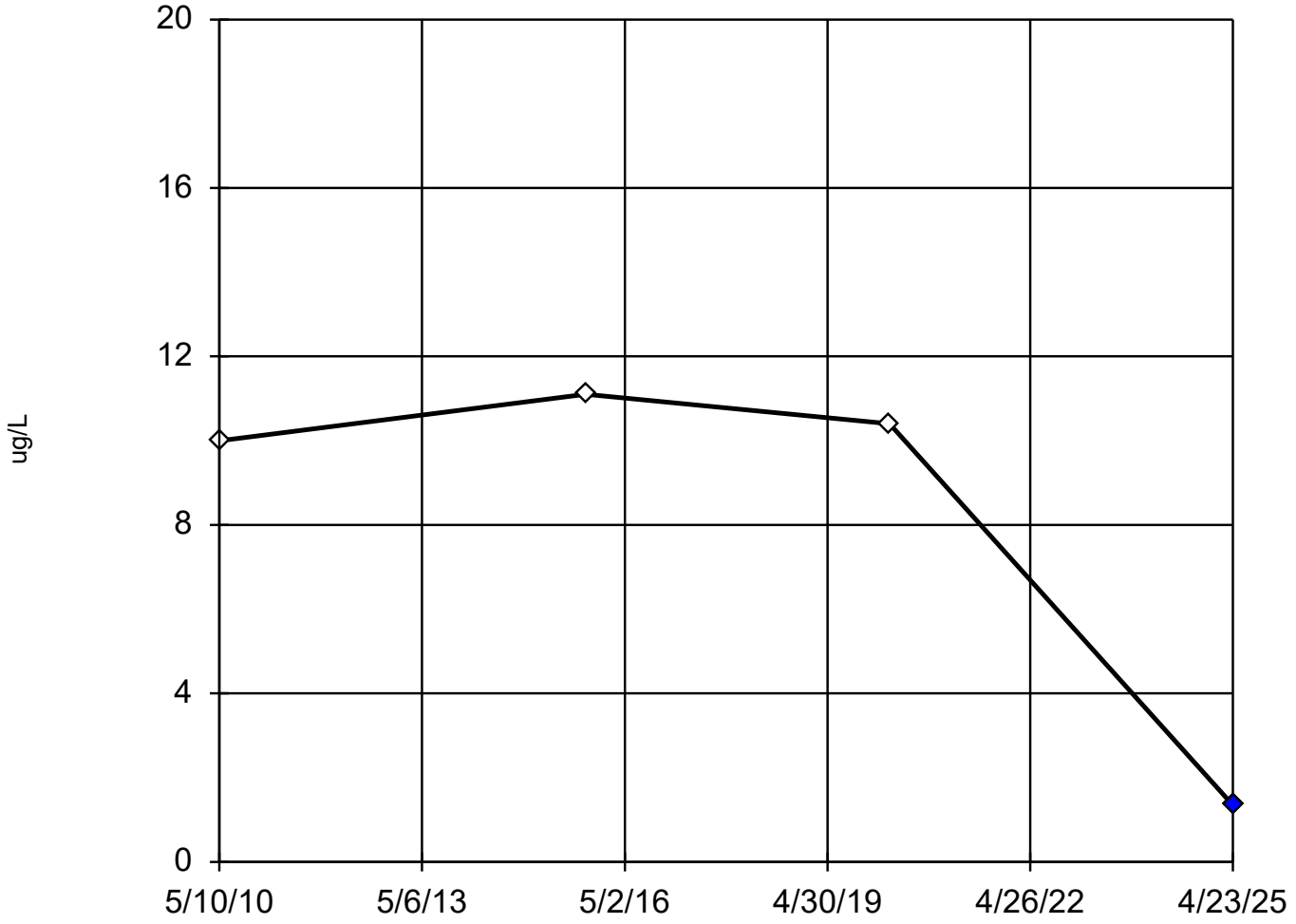
Constituent: Benzyl alcohol Analysis Run 7/13/2025 11:08 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-214A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.213.
Std. Dev. = 4.598.
<1.35: c = 0.8872
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9758
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

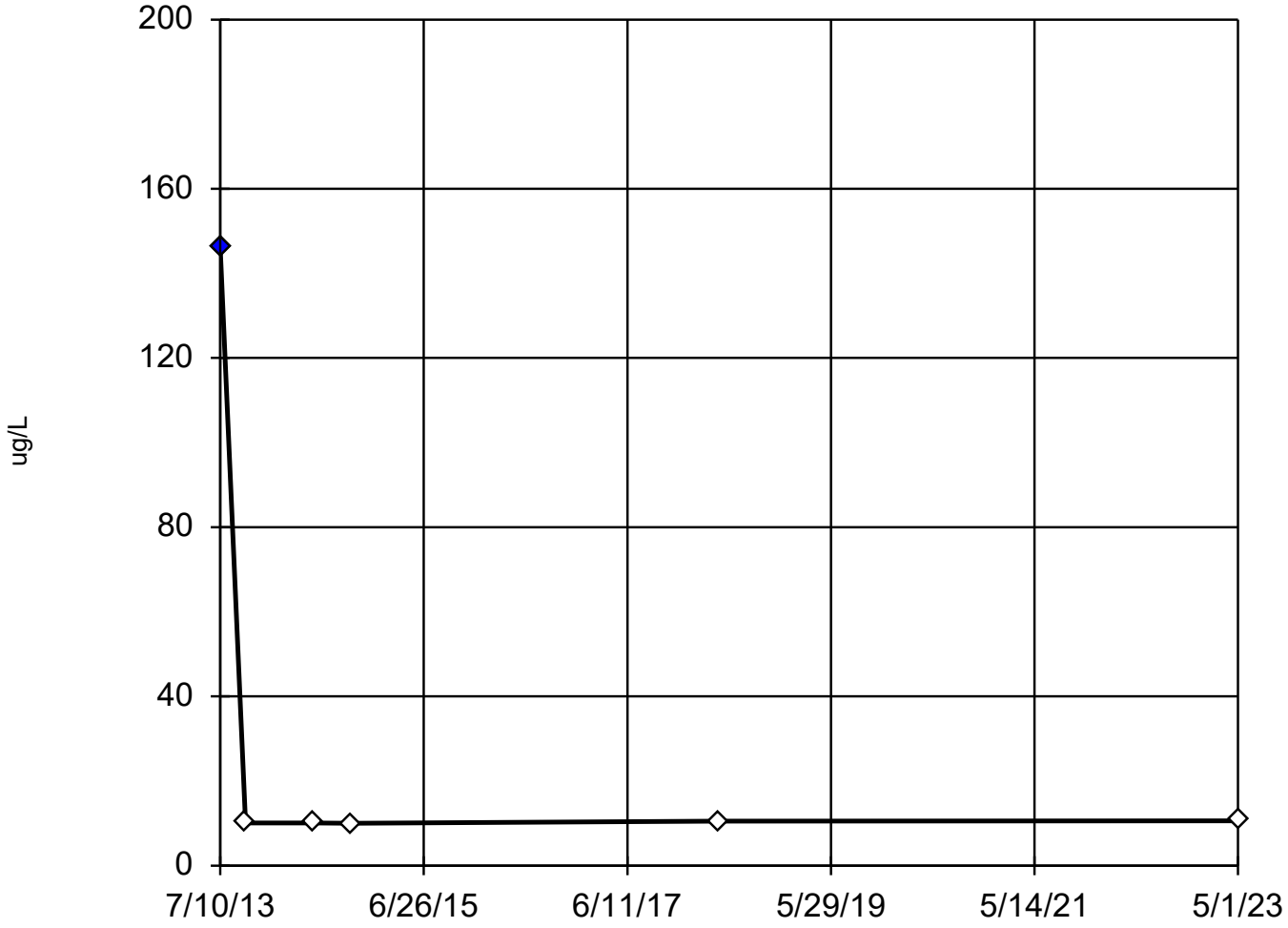
Constituent: Benzyl alcohol Analysis Run 7/13/2025 11:08 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-219A



n = 6

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 32.88.
Std. Dev. = 55.42.
146 (o): c = 0.9956
tabl = 0.56.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8401
Critical = 0.806
The distribution, after removal of suspect value, was found to be normally distributed.

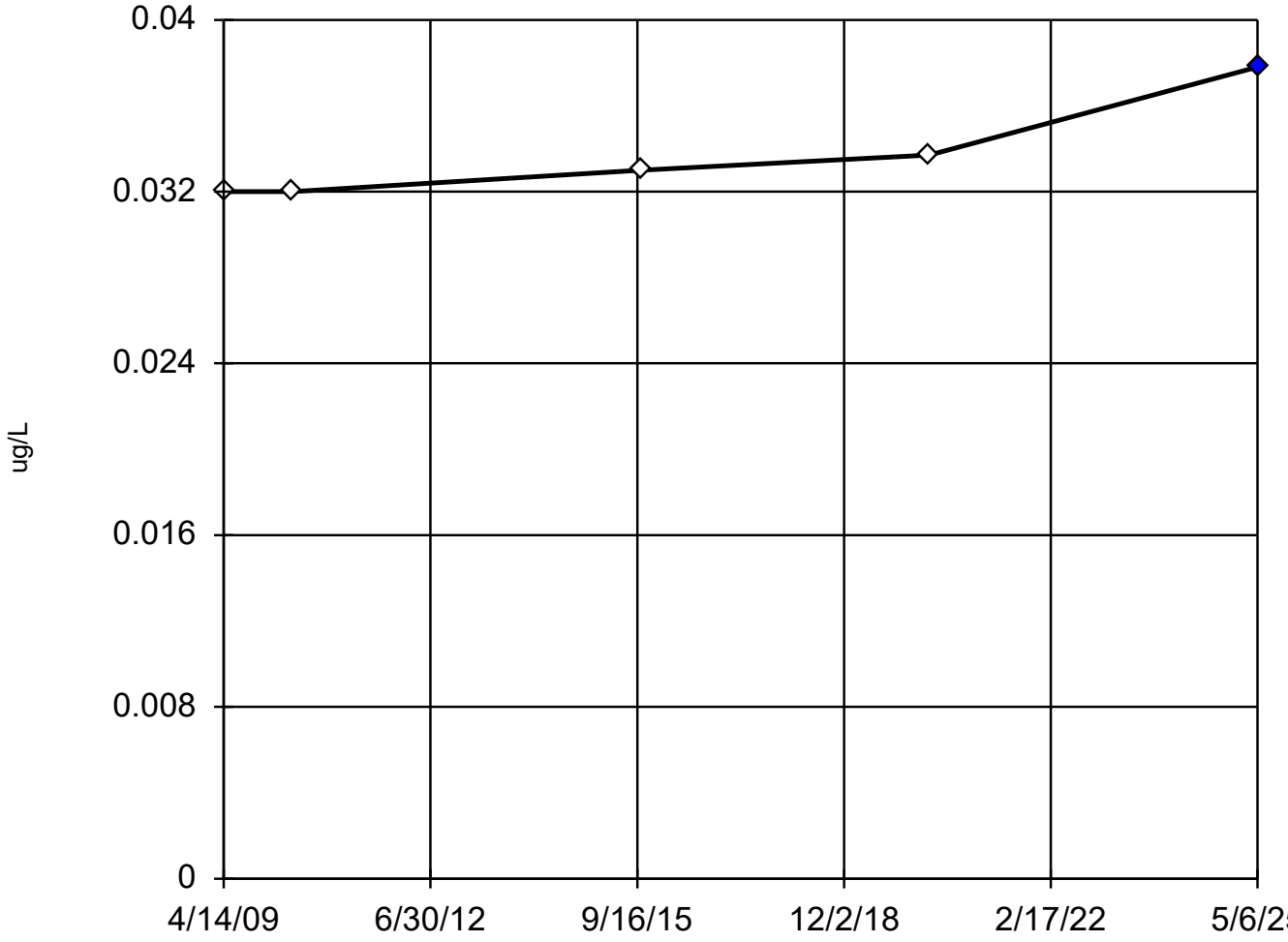
Constituent: Benzyl alcohol Analysis Run 7/13/2025 11:08 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-5B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 0.0337.
Std. Dev. = 0.002402.
<0.0378: c = 0.7069
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8632
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

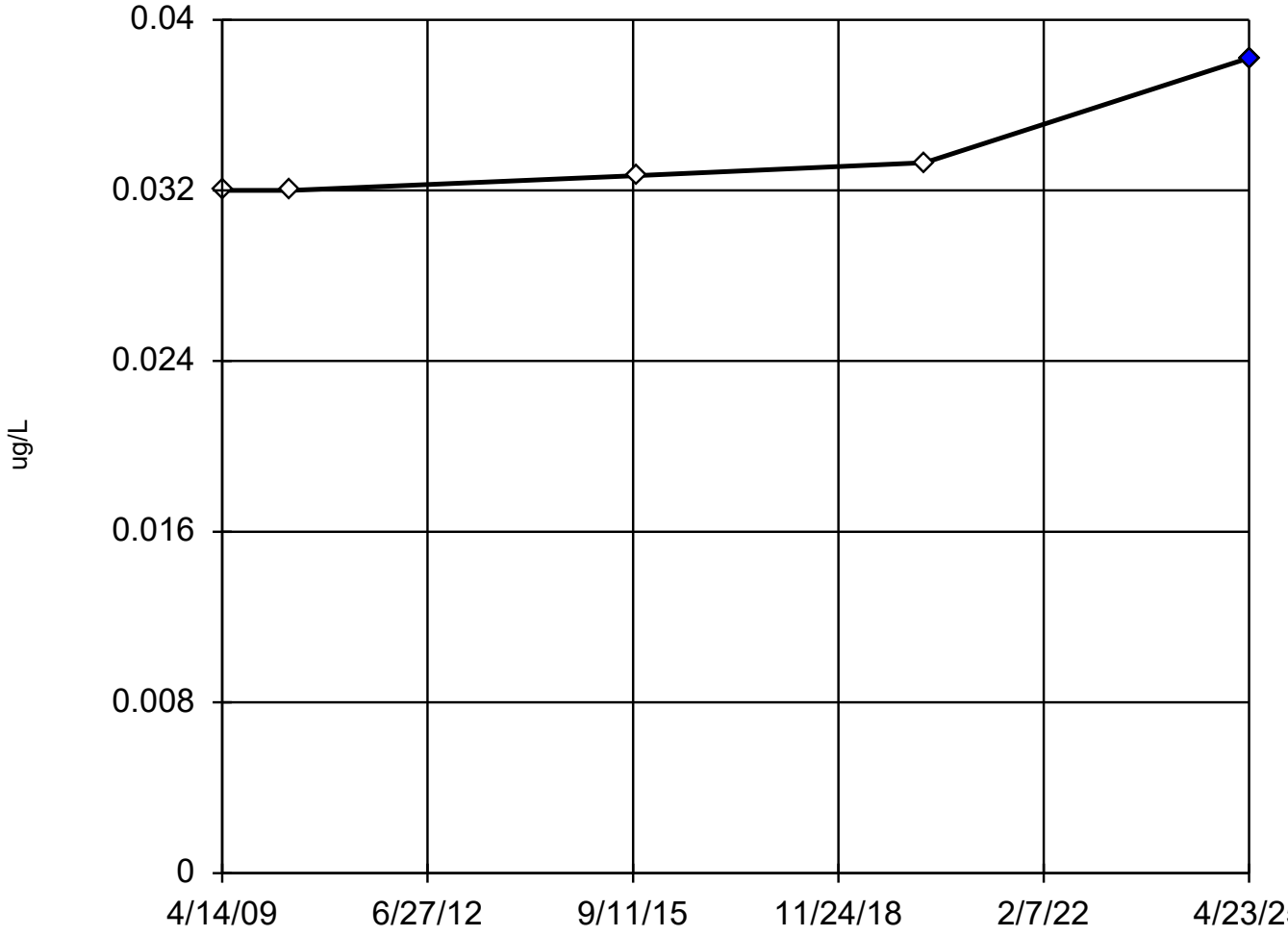
Constituent: Beta-BHC Analysis Run 7/13/2025 11:08 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-17A-00



n = 5

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 0.03364.
Std. Dev. = 0.002606.
<0.0382: c = 0.7903
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8658
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

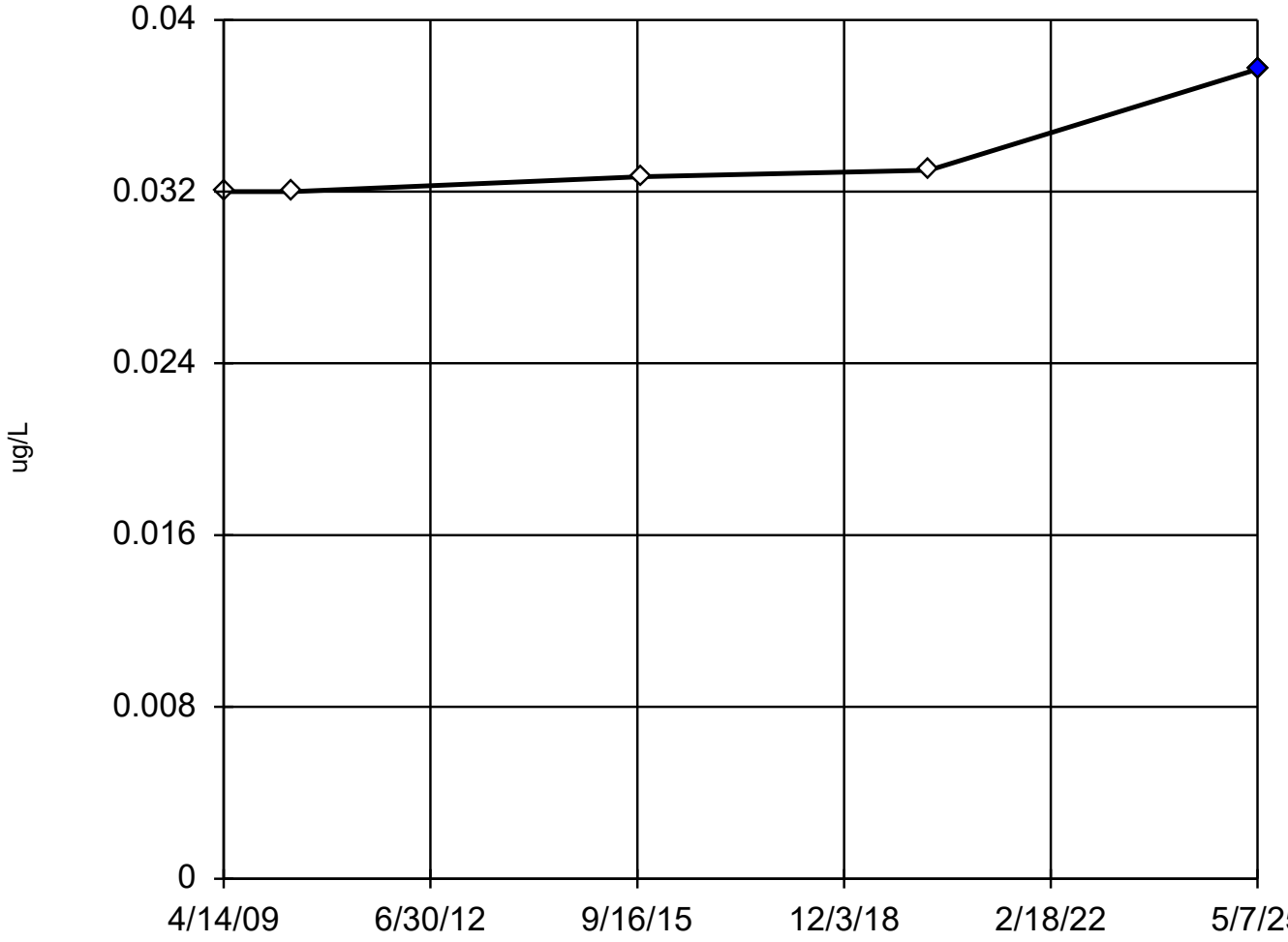
Constituent: Beta-BHC Analysis Run 7/13/2025 11:08 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-31B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 0.03348.
Std. Dev. = 0.002399.
<0.0377: c = 0.8246
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8435
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

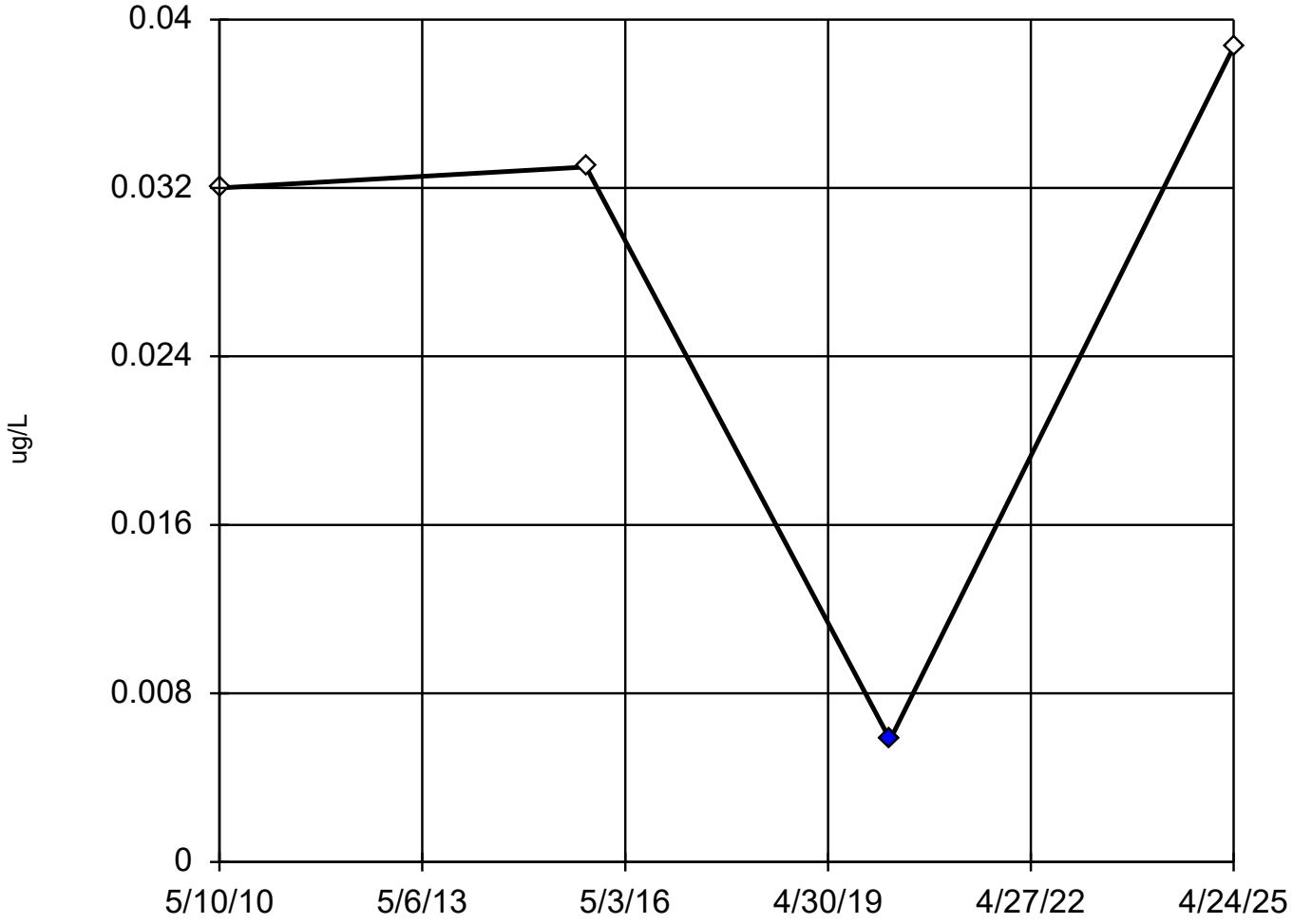
Constituent: Beta-BHC Analysis Run 7/13/2025 11:08 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02738.
Std. Dev. = 0.01468.
0.0058 (J): c = 0.7964
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8591
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

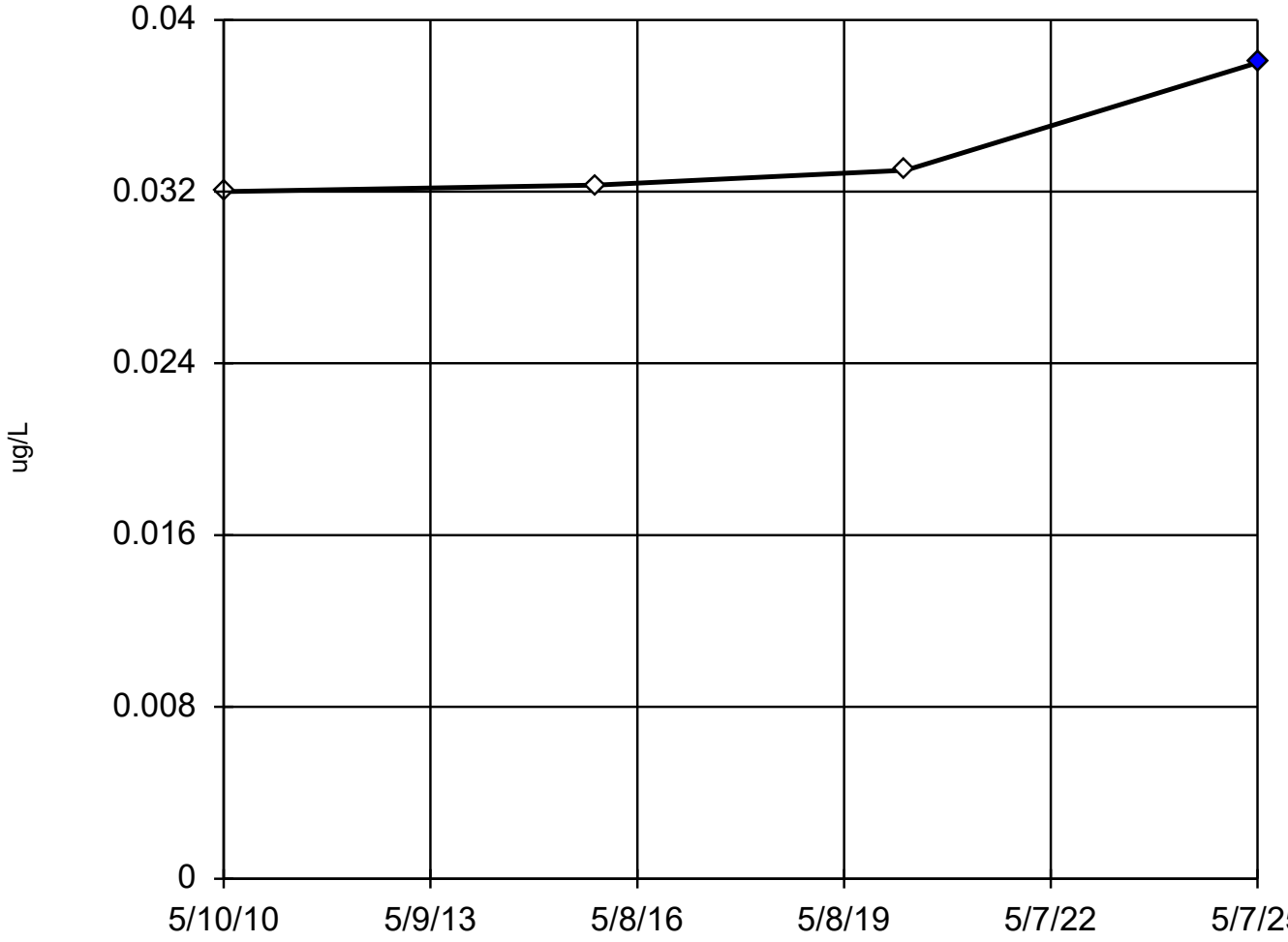
Constituent: Beta-BHC Analysis Run 7/13/2025 11:08 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-215A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 0.03382.
Std. Dev. = 0.002815.
<0.038: c = 0.8333
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9493
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

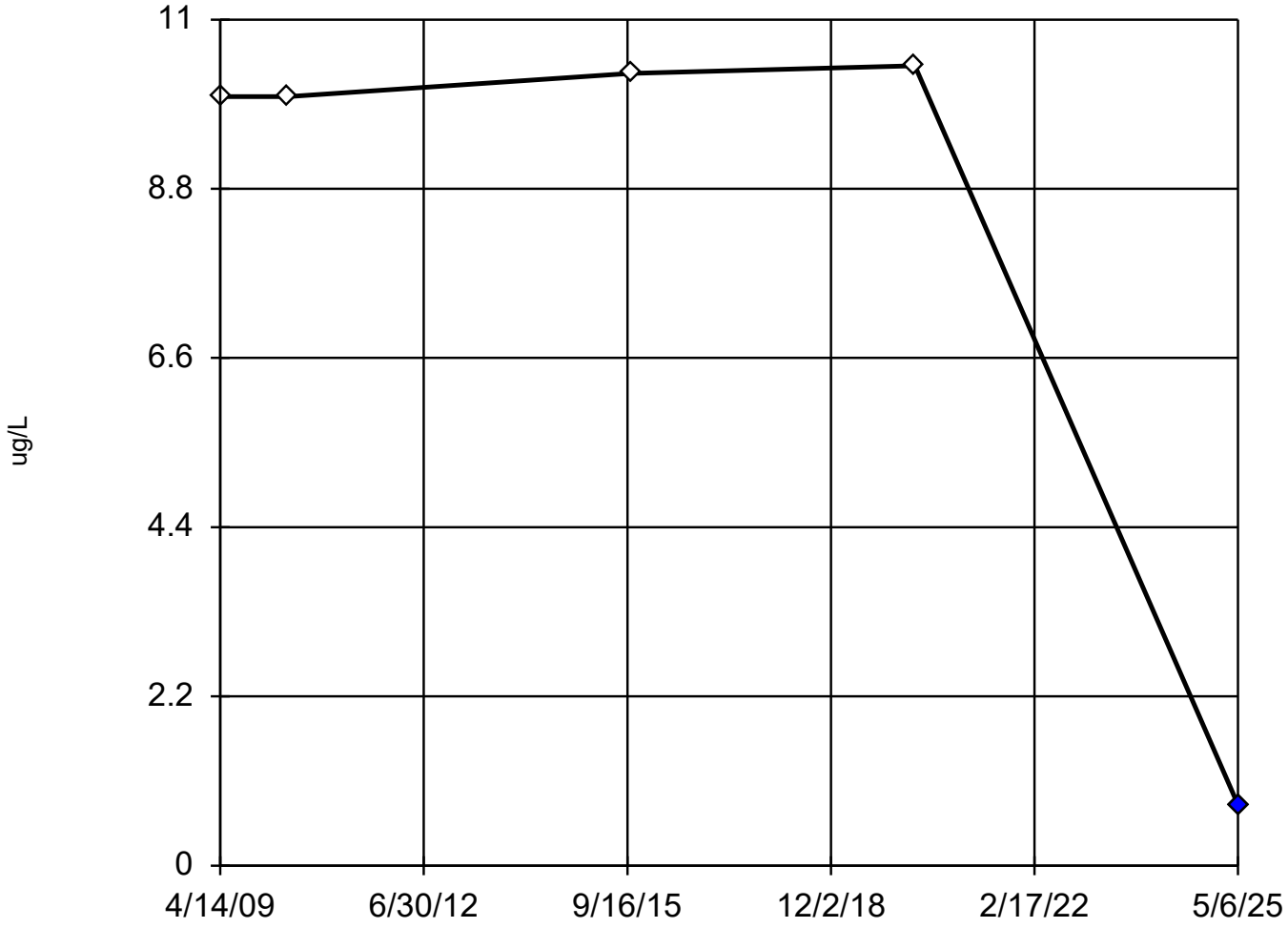
Constituent: Beta-BHC Analysis Run 7/13/2025 11:08 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-5B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.298.
Std. Dev. = 4.2.
<0.792: c = 0.9584
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8294
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

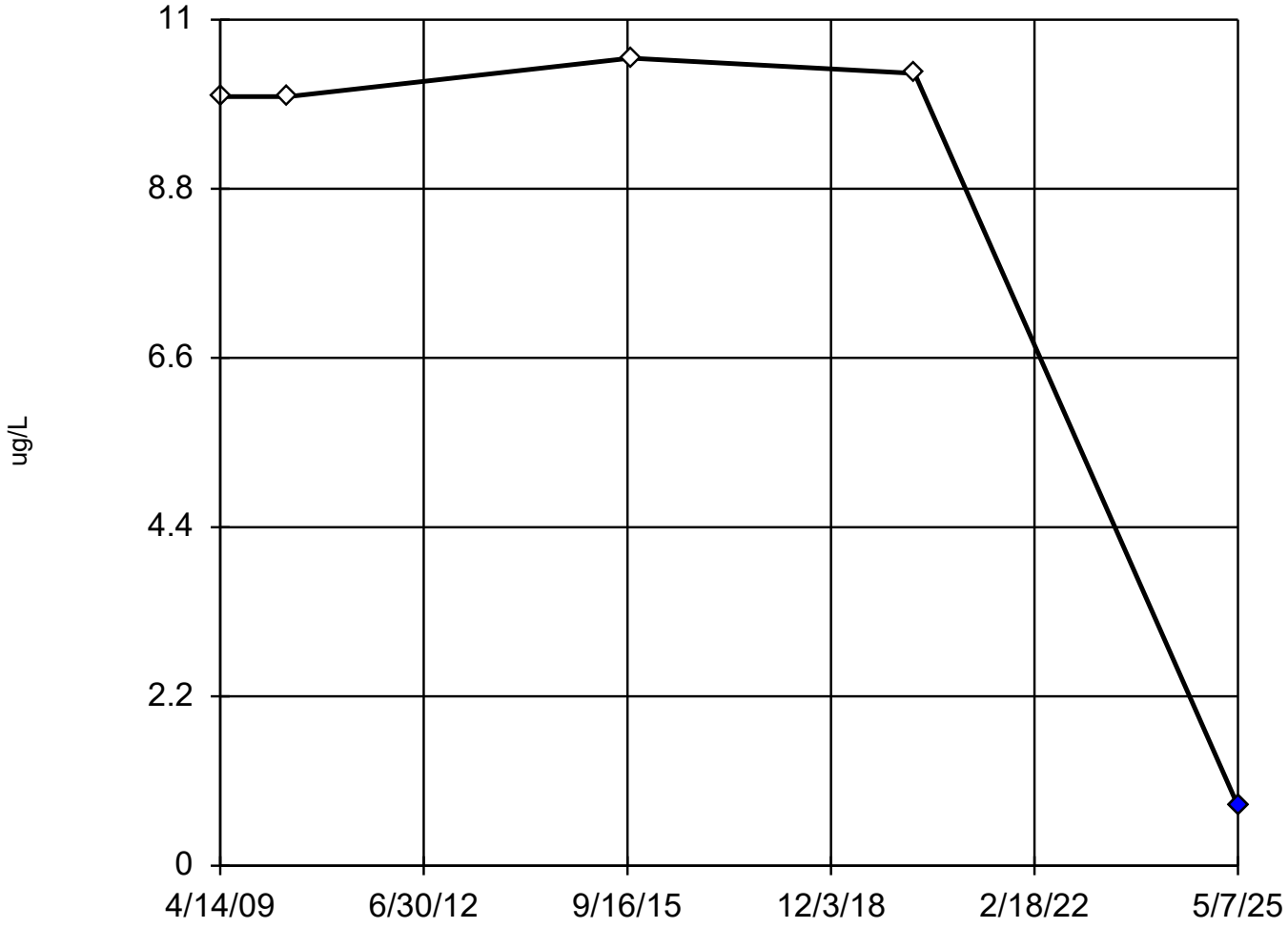
Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/13/2025 11:09 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-24A



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.315.
Std. Dev. = 4.22.
<0.776: c = 0.9486
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.862
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

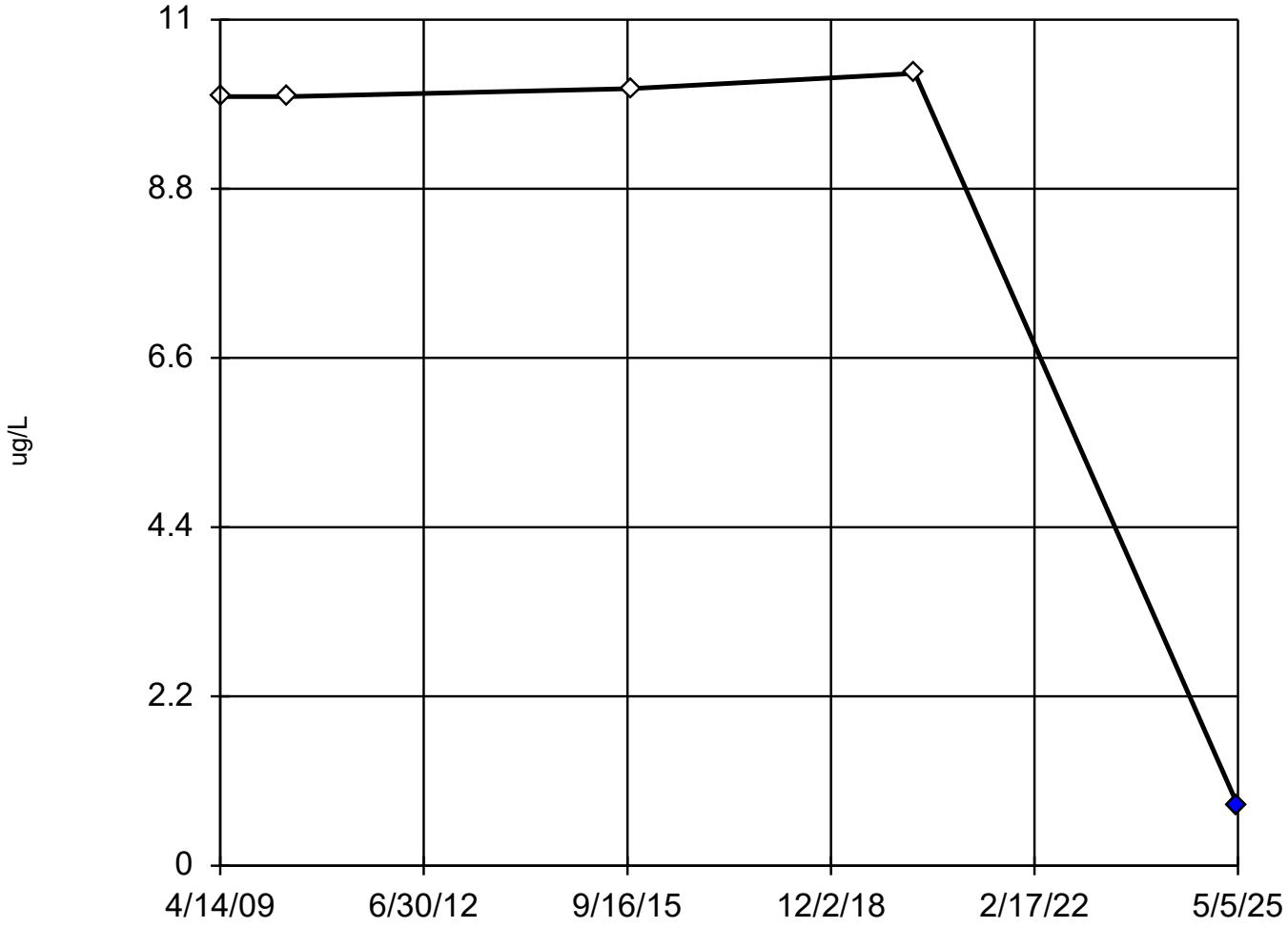
Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/13/2025 11:09 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-29A



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.235.
Std. Dev. = 4.172.
<0.776: c = 0.9685
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8283
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

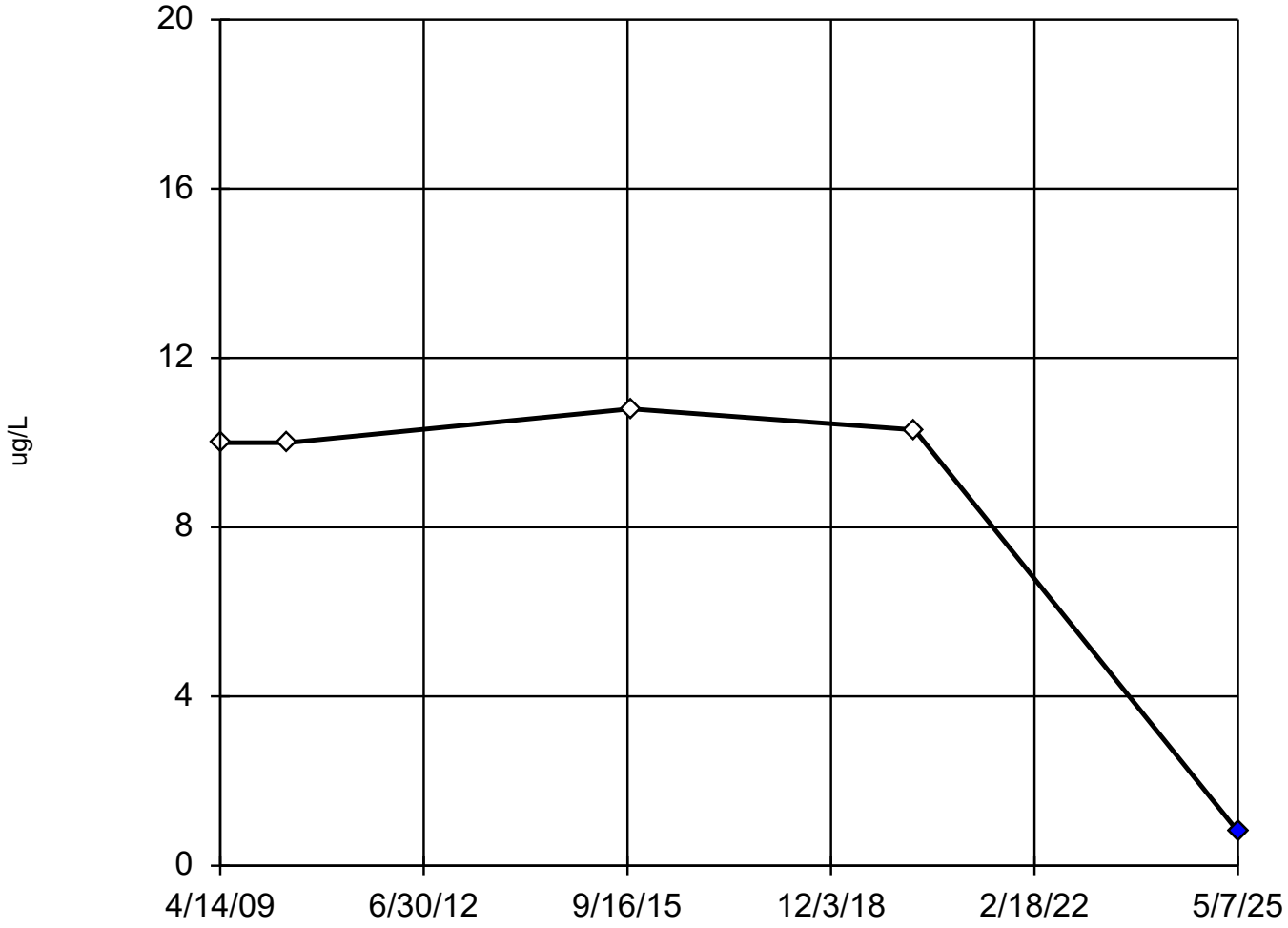
Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/13/2025 11:09 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-31B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.382.
Std. Dev. = 4.246.
<0.809: c = 0.9199
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8423
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

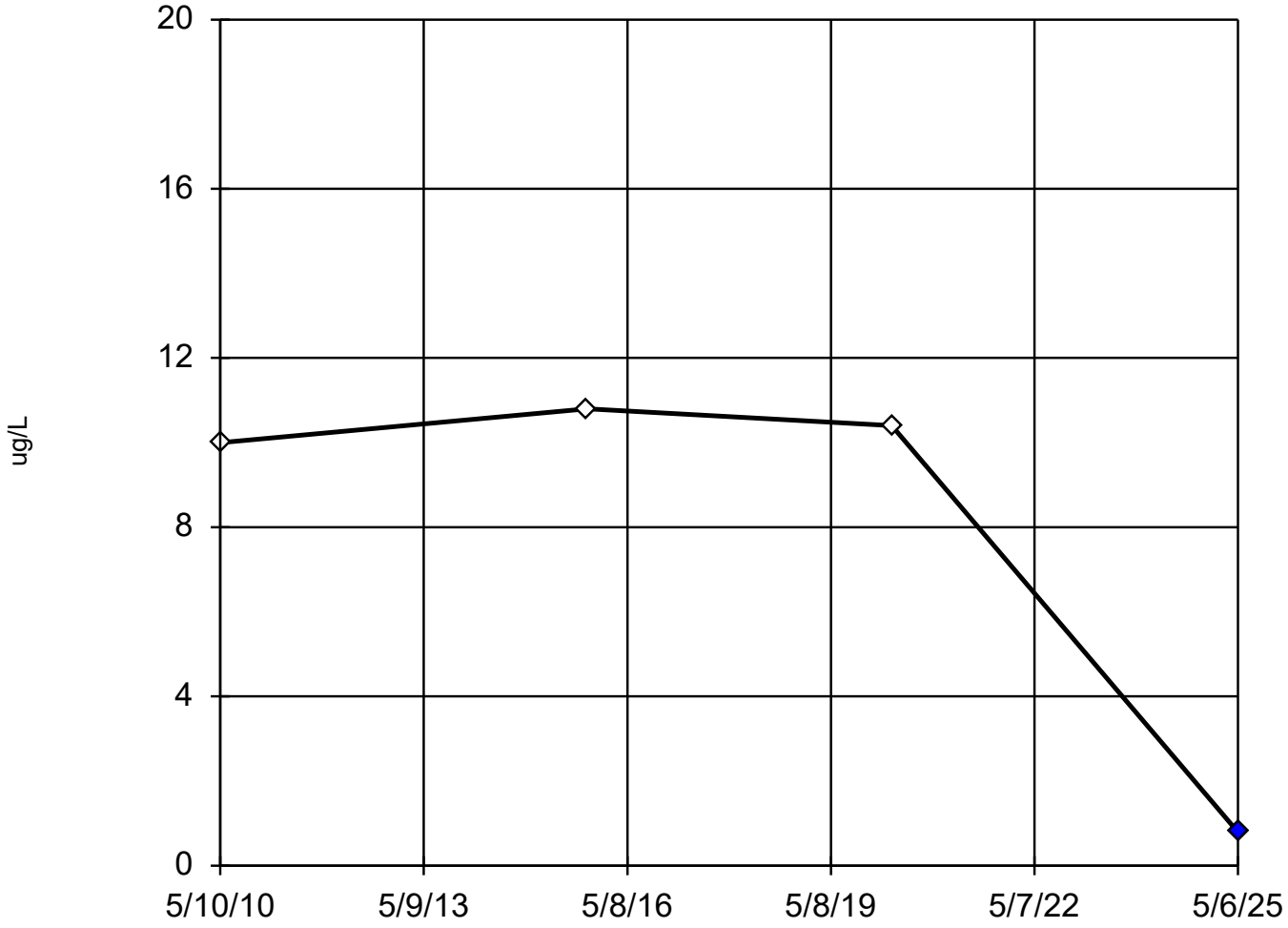
Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/13/2025 11:09 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-201A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.998.
Std. Dev. = 4.815.
<0.792: c = 0.9201
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 1
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

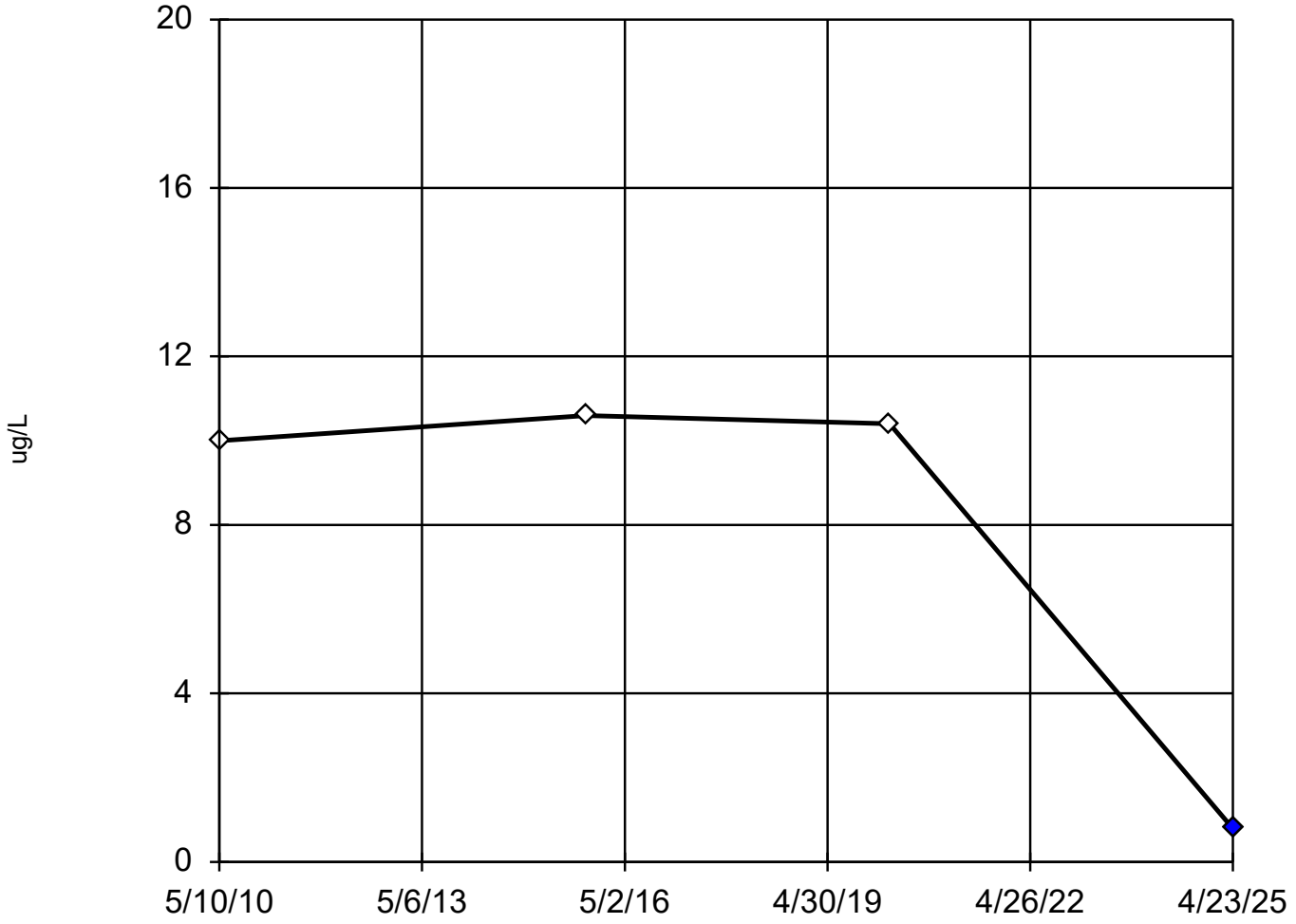
Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/13/2025 11:09 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-202A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.948.
Std. Dev. = 4.777.
<0.792: c = 0.9388
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

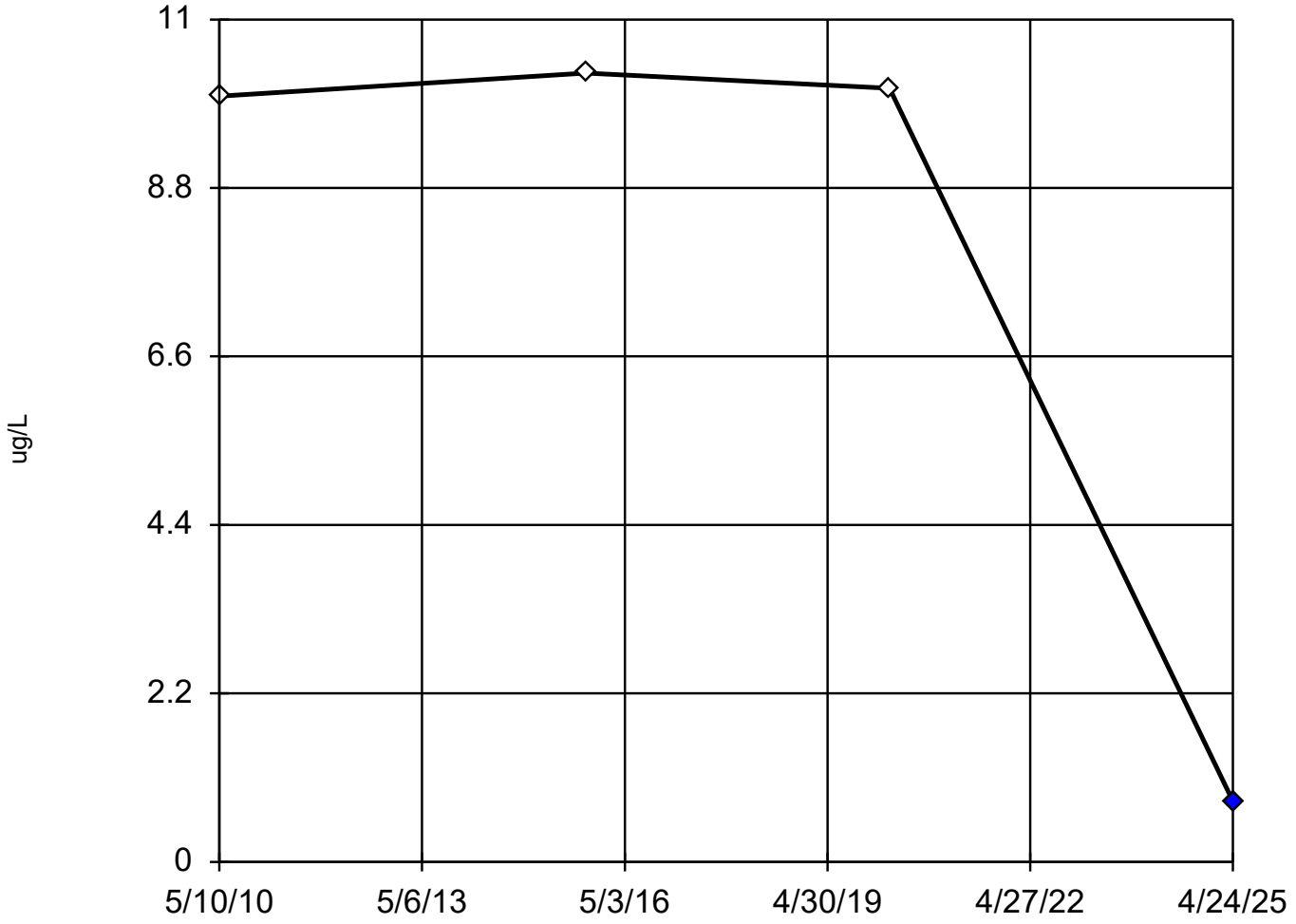
Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/13/2025 11:09 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.798.
Std. Dev. = 4.672.
<0.792: c = 0.9684
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

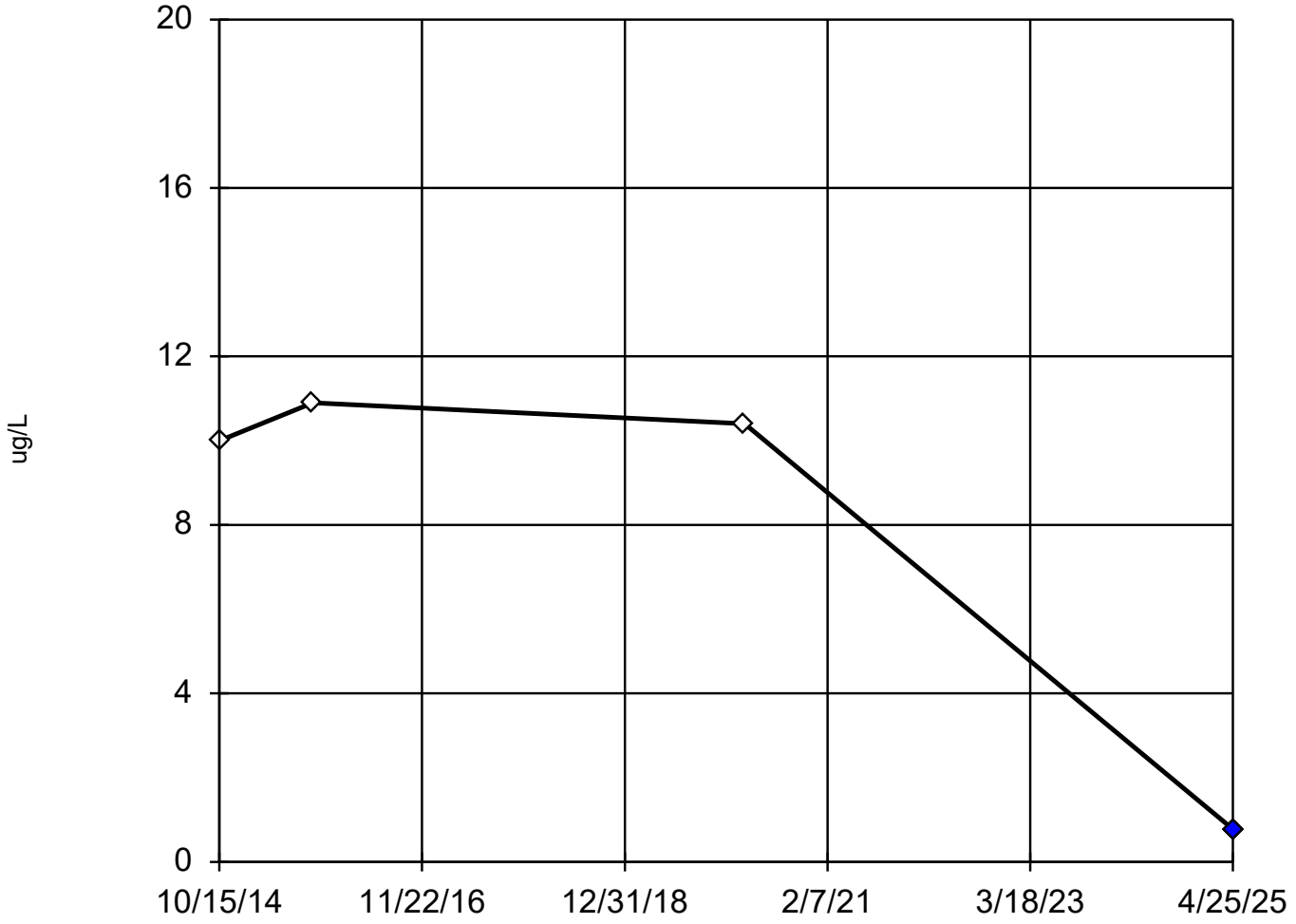
Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/13/2025 11:09 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-208B



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.019.
Std. Dev. = 4.843.
<0.776: c = 0.9111
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9959
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

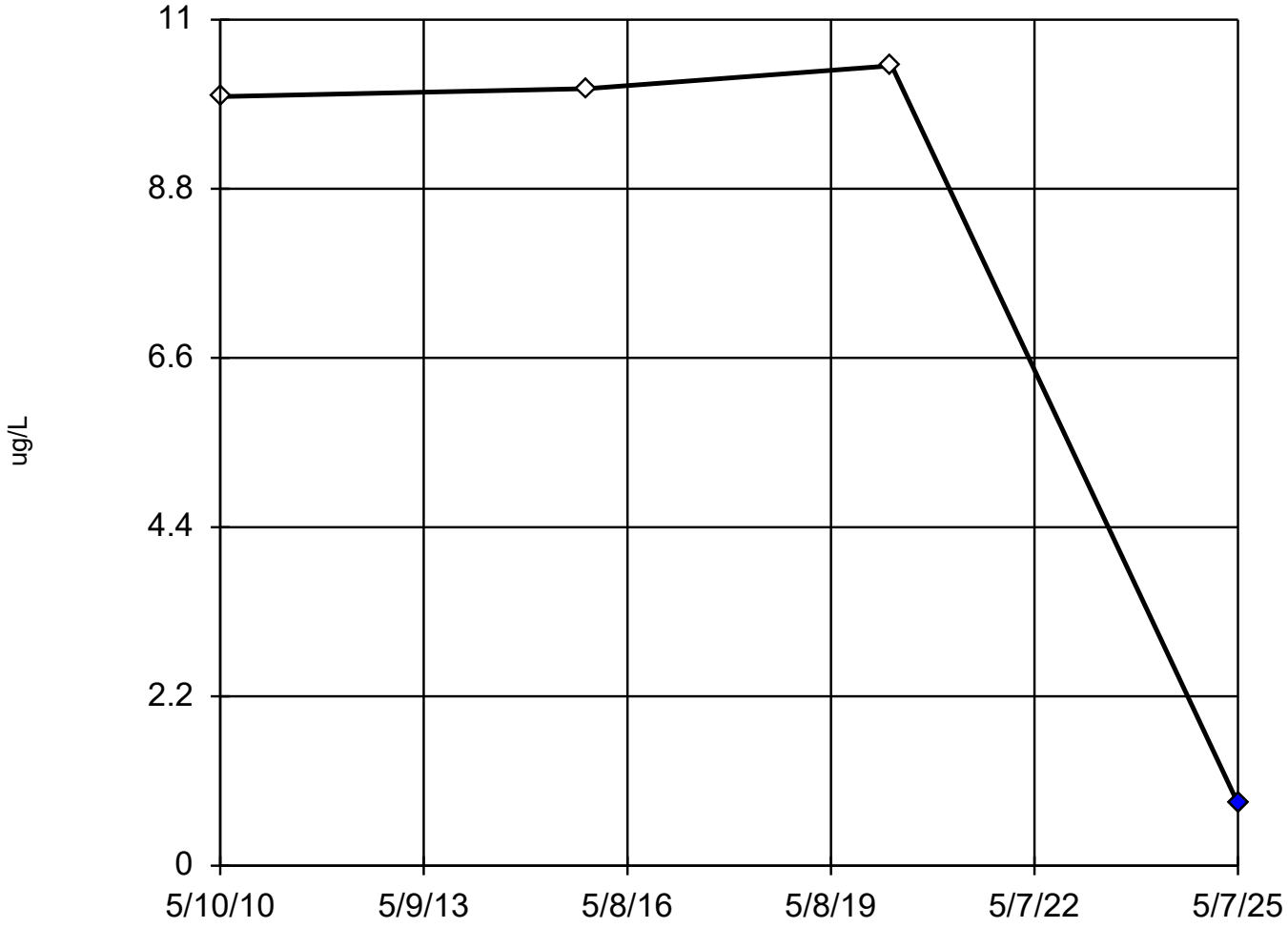
Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/13/2025 11:09 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-215A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.827.
Std. Dev. = 4.682.
<0.809: c = 0.9583
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9231
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

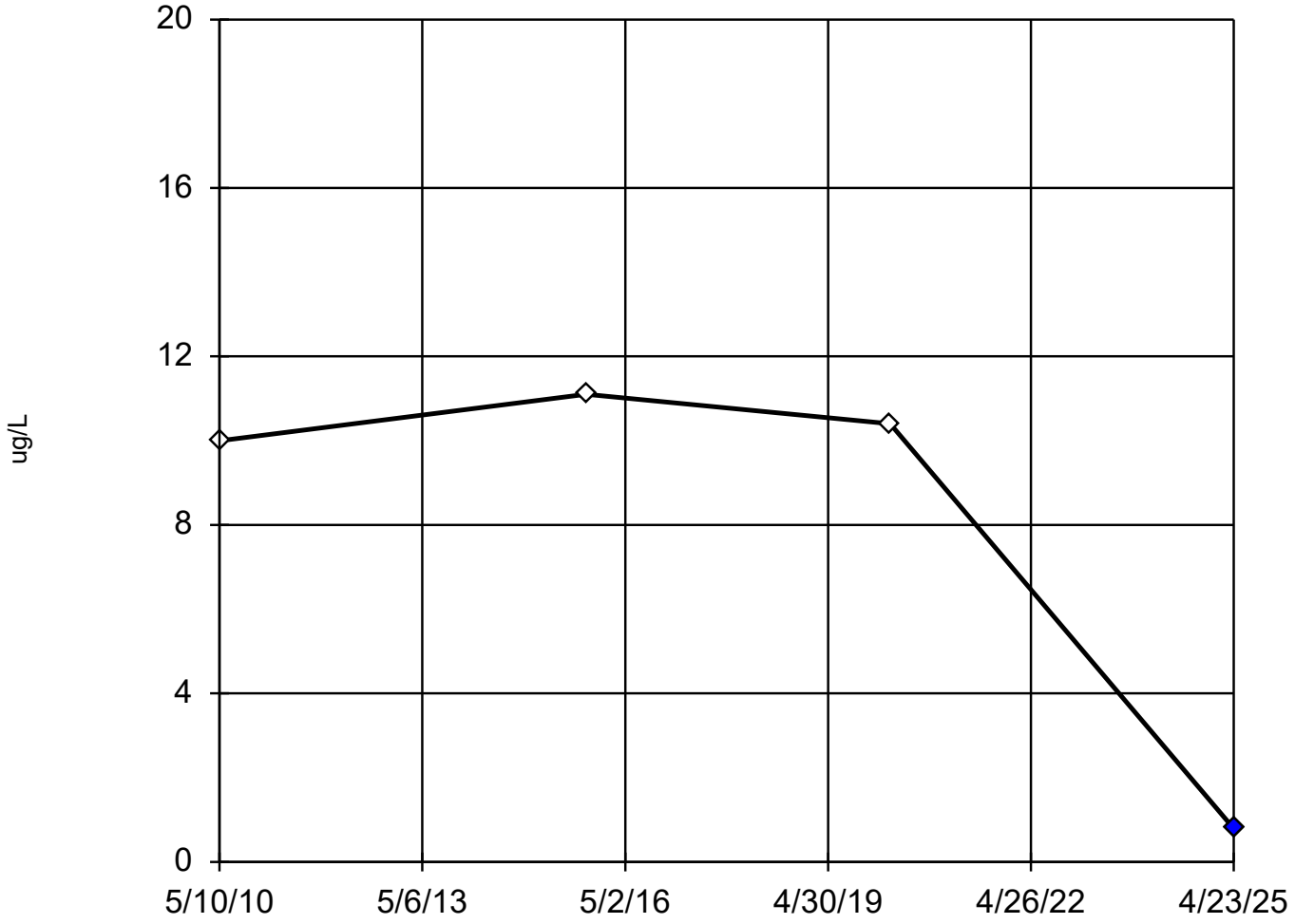
Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/13/2025 11:09 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-214A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.073.
Std. Dev. = 4.875.
<0.792: c = 0.8933
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9758
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

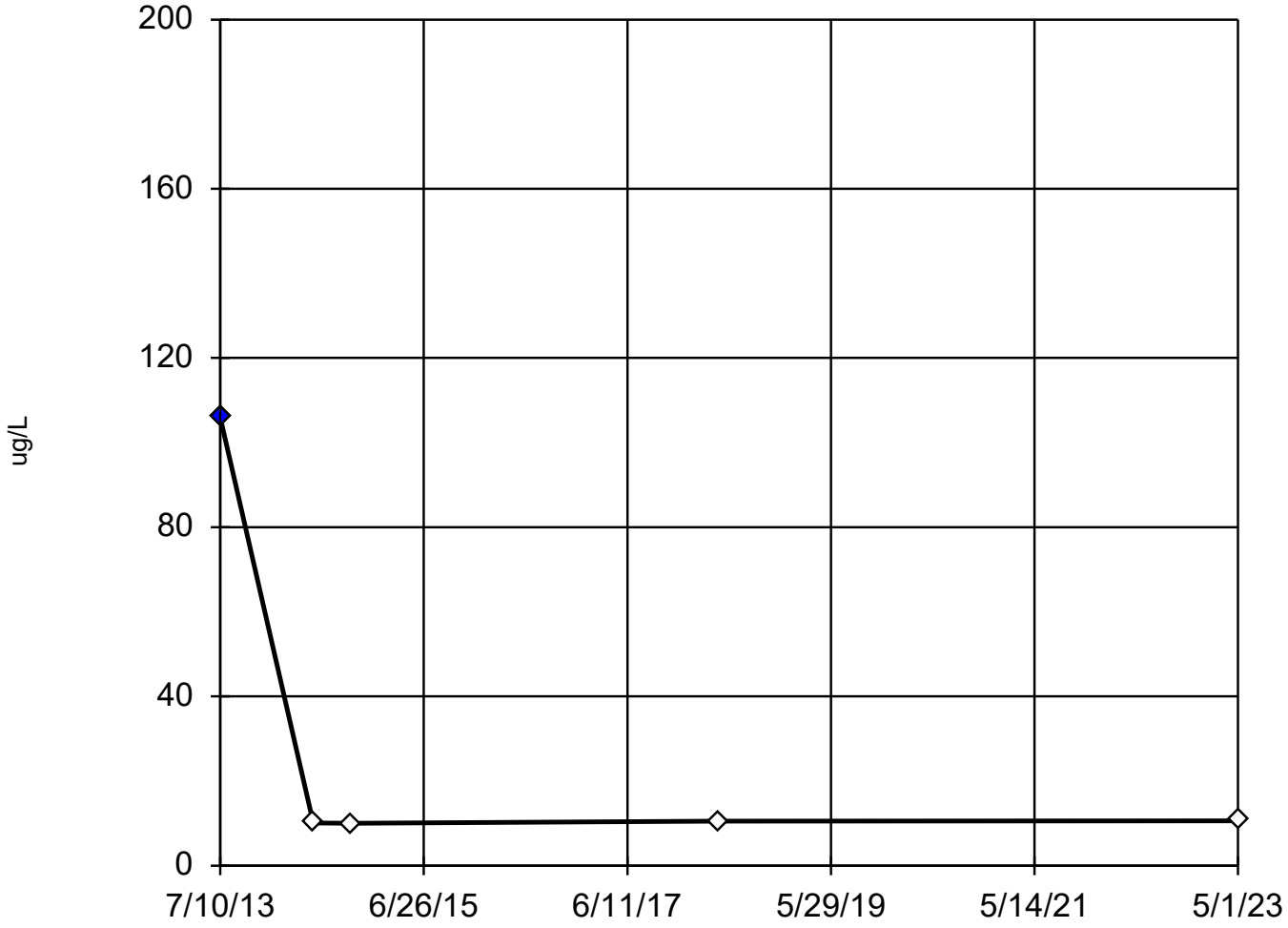
Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/13/2025 11:09 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-219A



n = 5

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 29.44.
Std. Dev. = 42.8.
<106: c = 0.9937
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8839
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

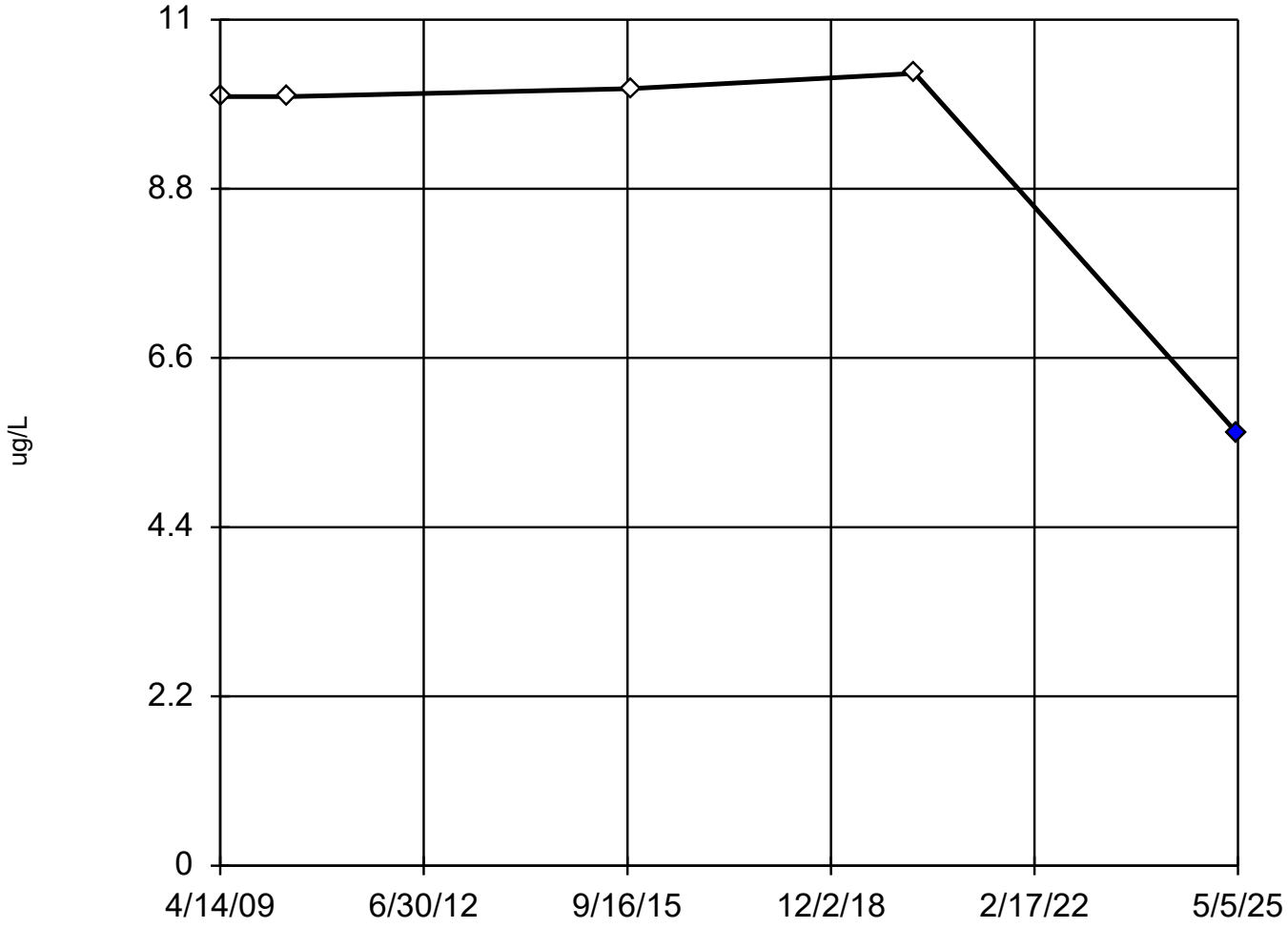
Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/13/2025 11:09 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-29A



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 9.202.
Std. Dev. = 2.012.
<5.61: c = 0.936
tabl = 0.642.
Alpha = 0.05.

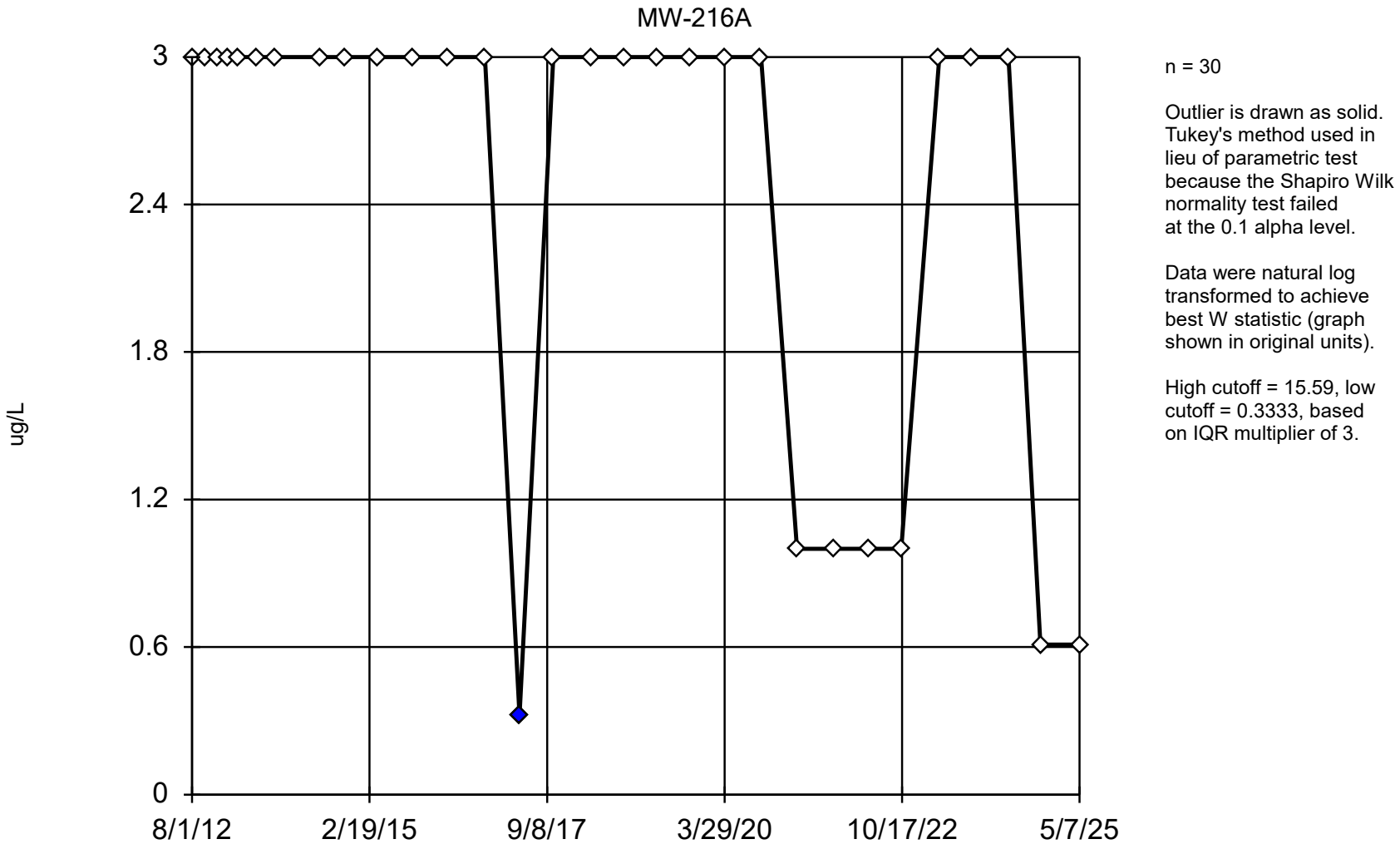
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8283
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Bis[2-ethylhexyl]phthalate Analysis Run 7/13/2025 11:10 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Tukey's Outlier Screening



n = 30

Outlier is drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

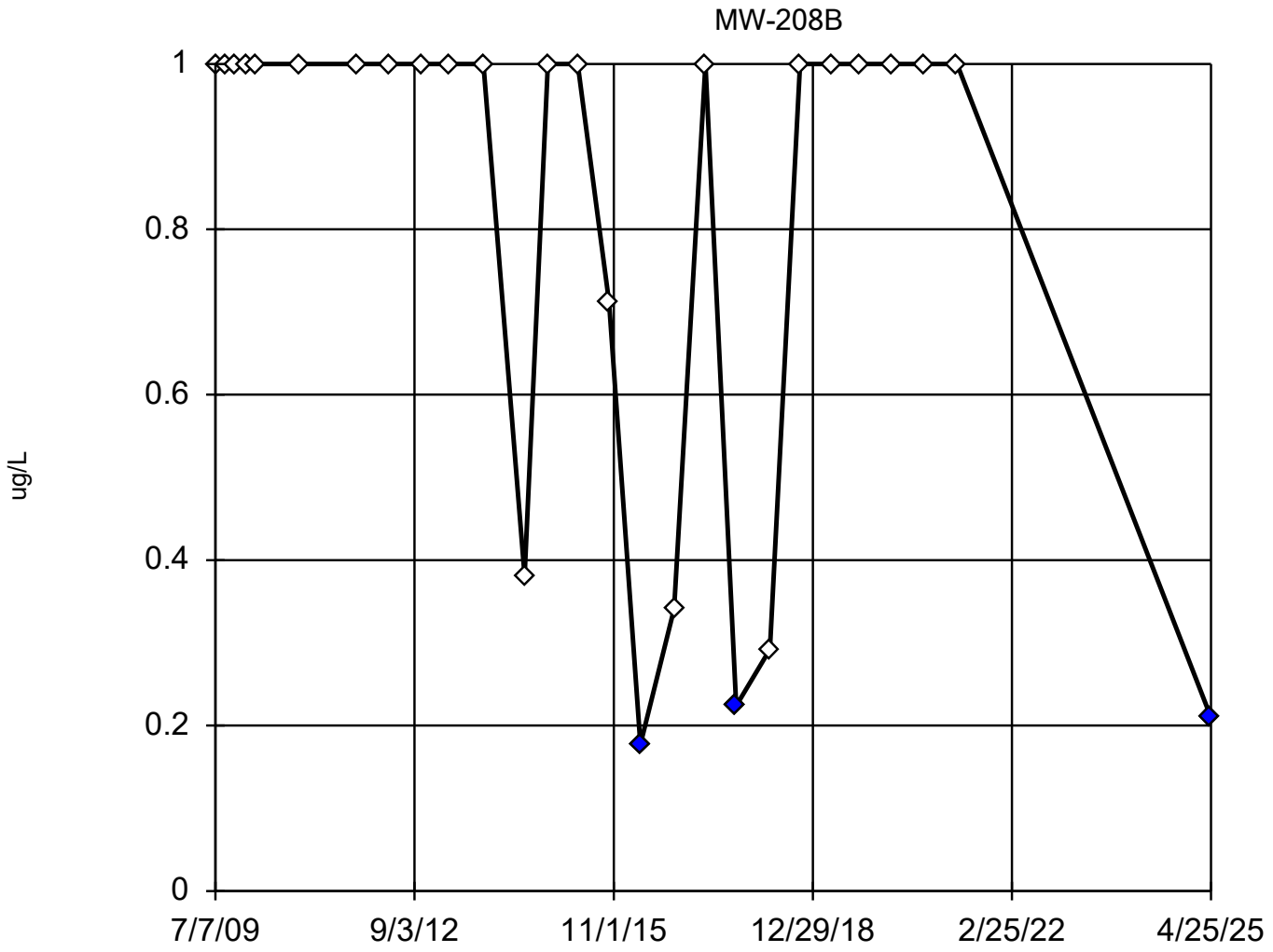
High cutoff = 15.59, low cutoff = 0.3333, based on IQR multiplier of 3.

Constituent: Chloromethane Analysis Run 7/13/2025 11:14 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Tukey's Outlier Screening



n = 27

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 2.771, low cutoff = 0.257, based on IQR multiplier of 3.

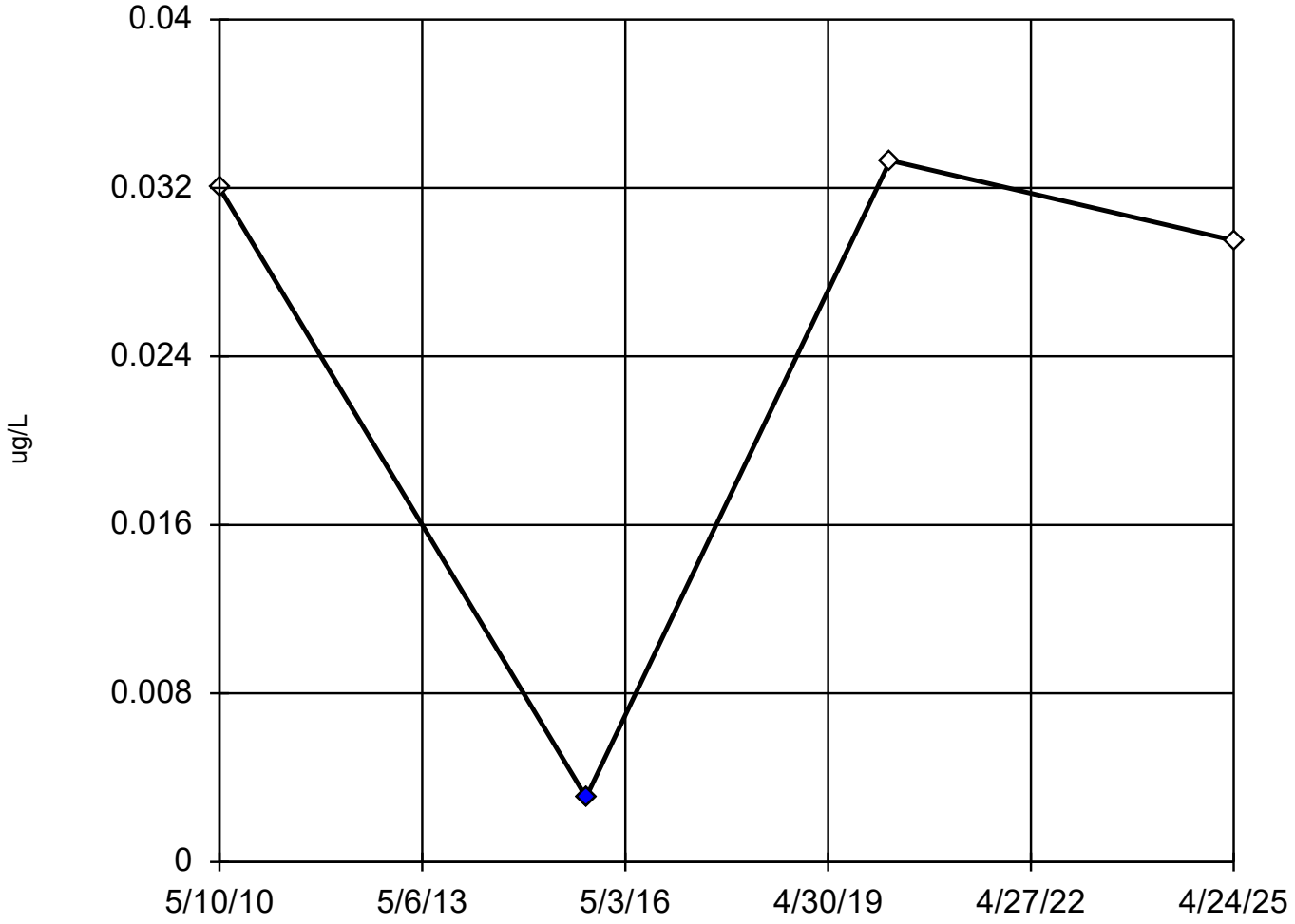
Constituent: cis-1,2-Dichloroethene Analysis Run 7/13/2025 11:15 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02447.
Std. Dev. = 0.01435.
0.00307 (J): c = 0.8743
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9678
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Delta-BHC Analysis Run 7/13/2025 11:16 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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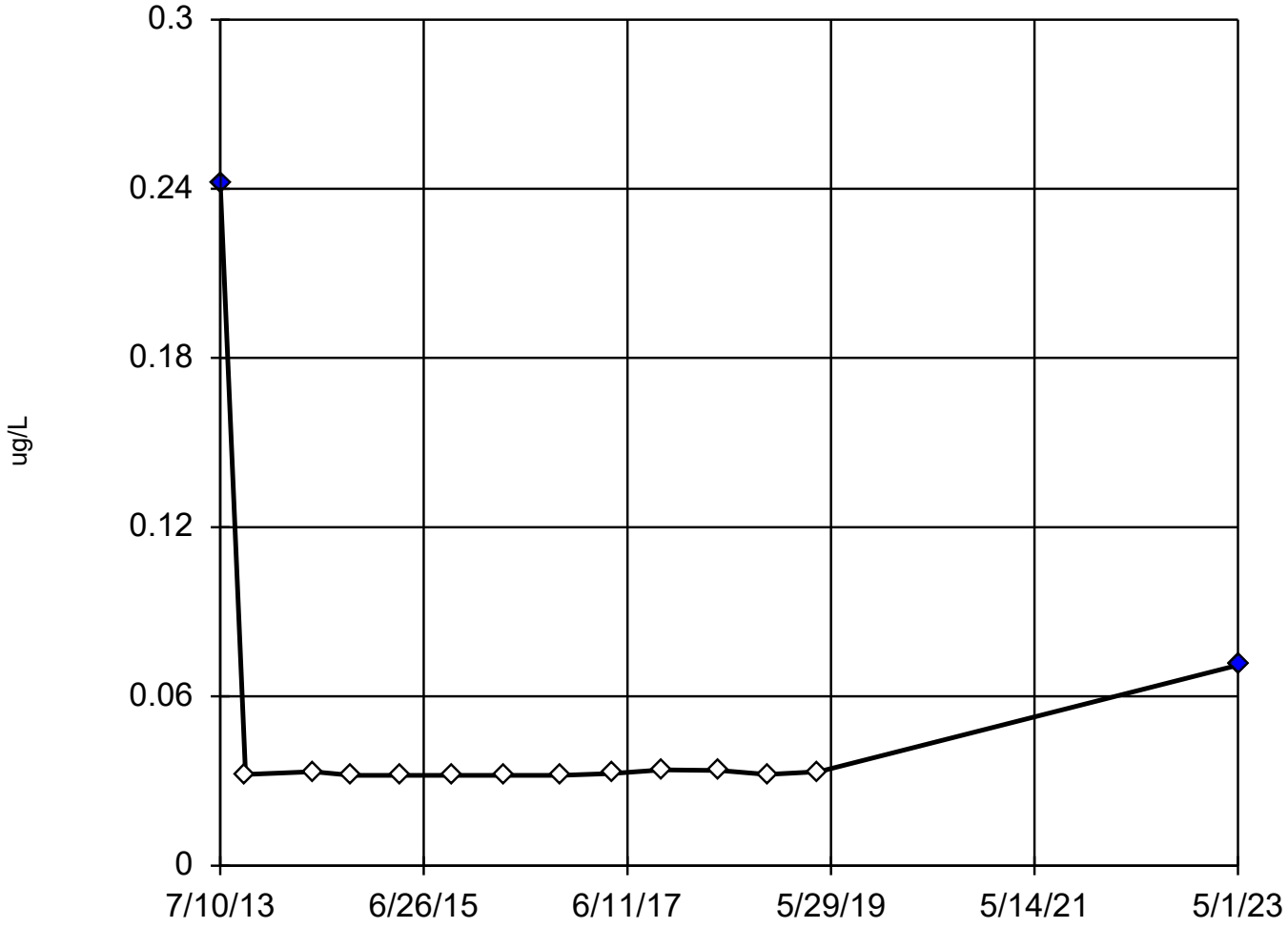
Tukey's Outlier Screening

MW-218A



n = 14

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.04007, low cutoff = 0.02704, based on IQR multiplier of 3.

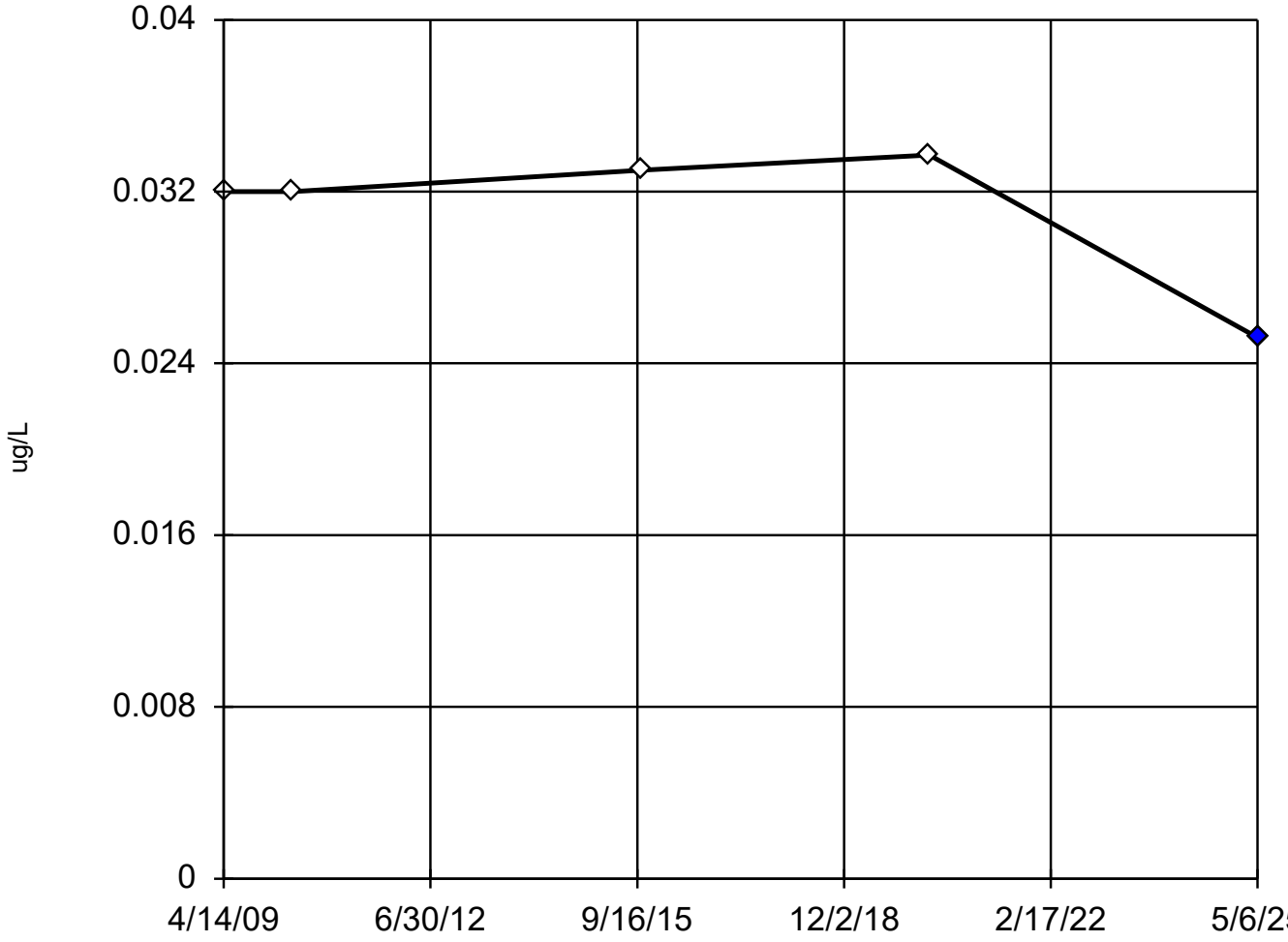
Constituent: Delta-BHC Analysis Run 7/13/2025 11:16 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-5B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03118.
Std. Dev. = 0.003419.
<0.0252: c = 0.8
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8632
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

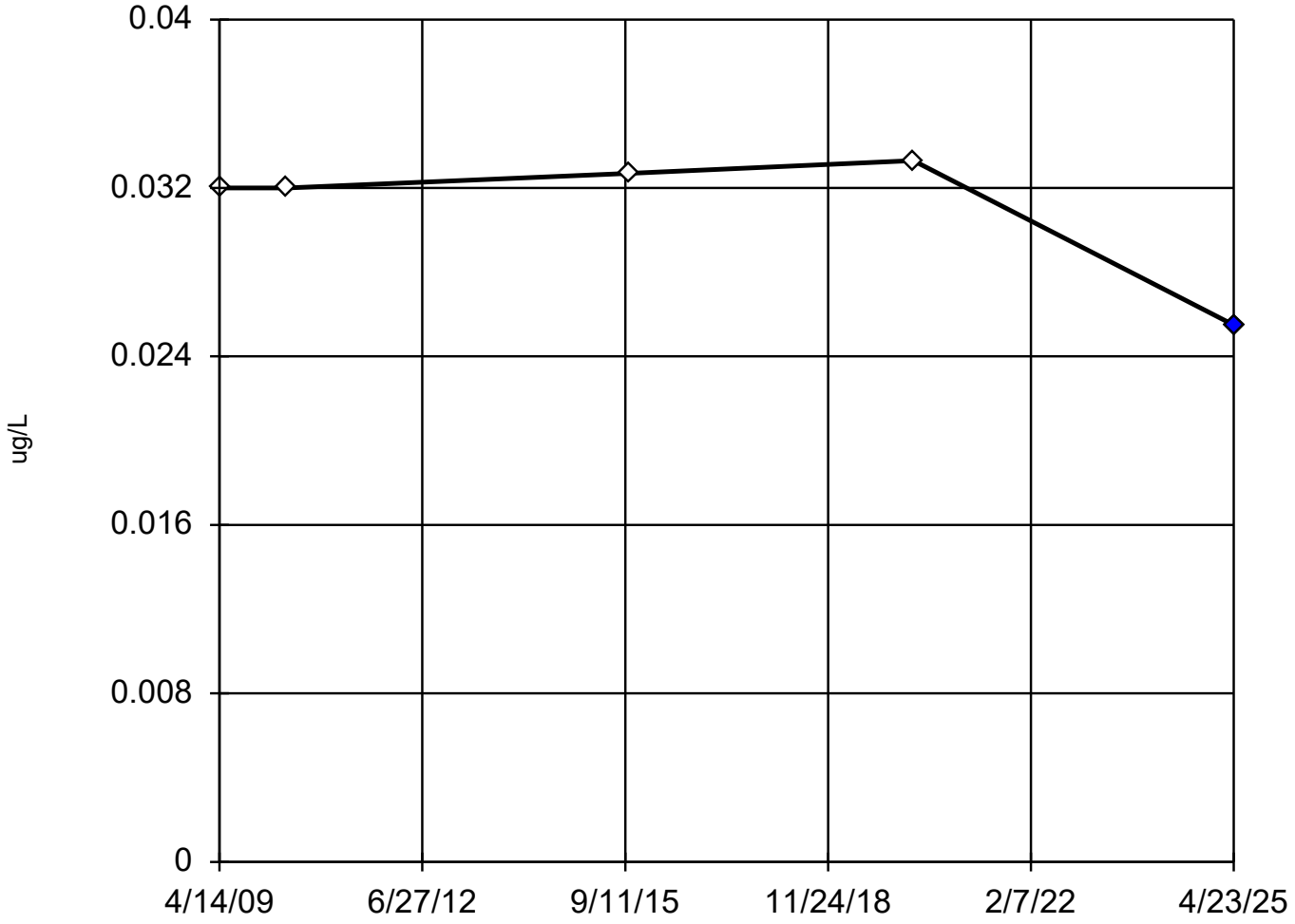
Constituent: Endrin Analysis Run 7/13/2025 11:17 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-17A-00



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.0311.
Std. Dev. = 0.003177.
<0.0255: c = 0.8333
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8658
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Endrin Analysis Run 7/13/2025 11:17 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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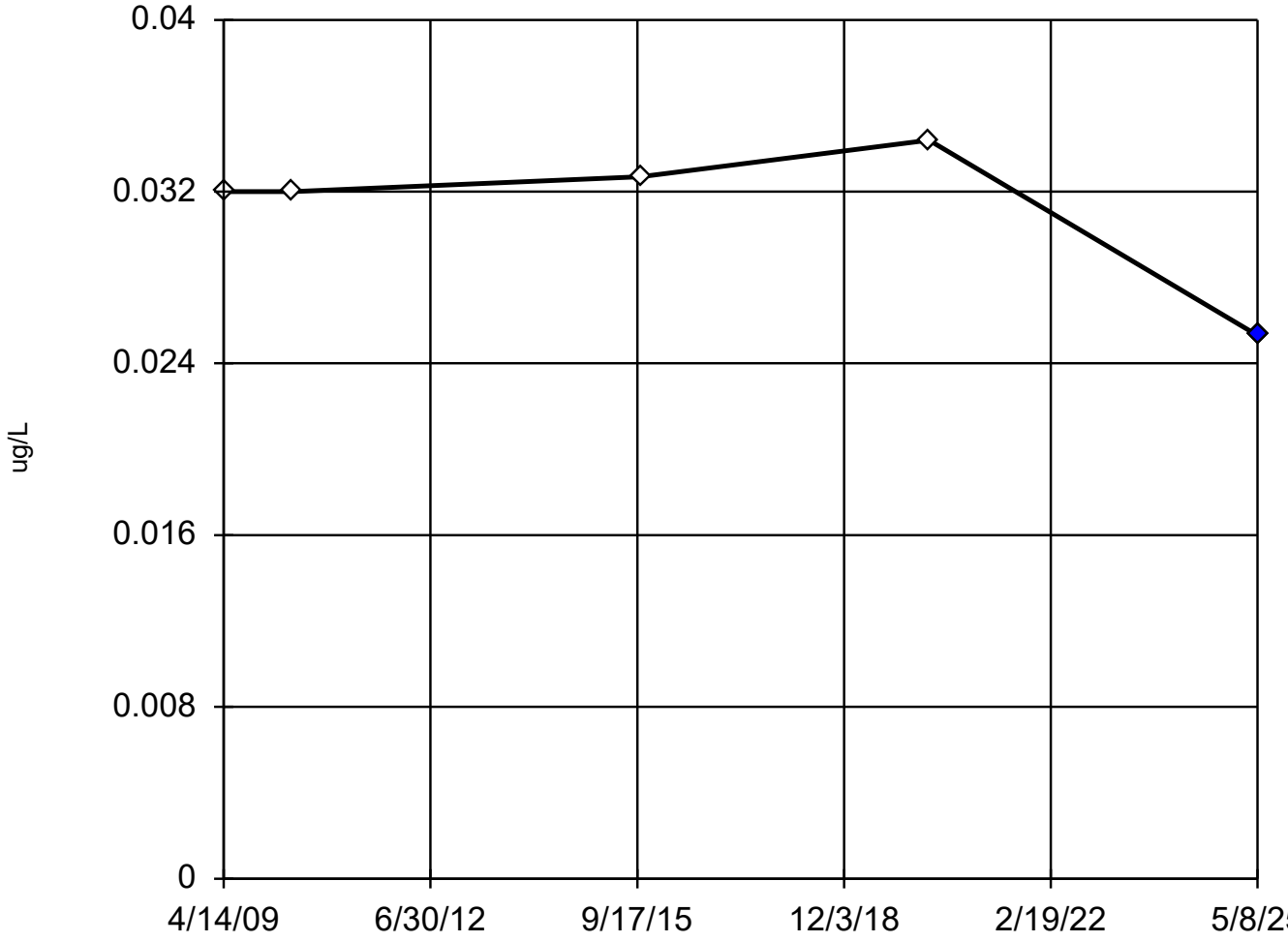
Dixon's Outlier Test

MW-25A-00



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03128.
Std. Dev. = 0.003484.
<0.0253: c = 0.7363
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8112
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

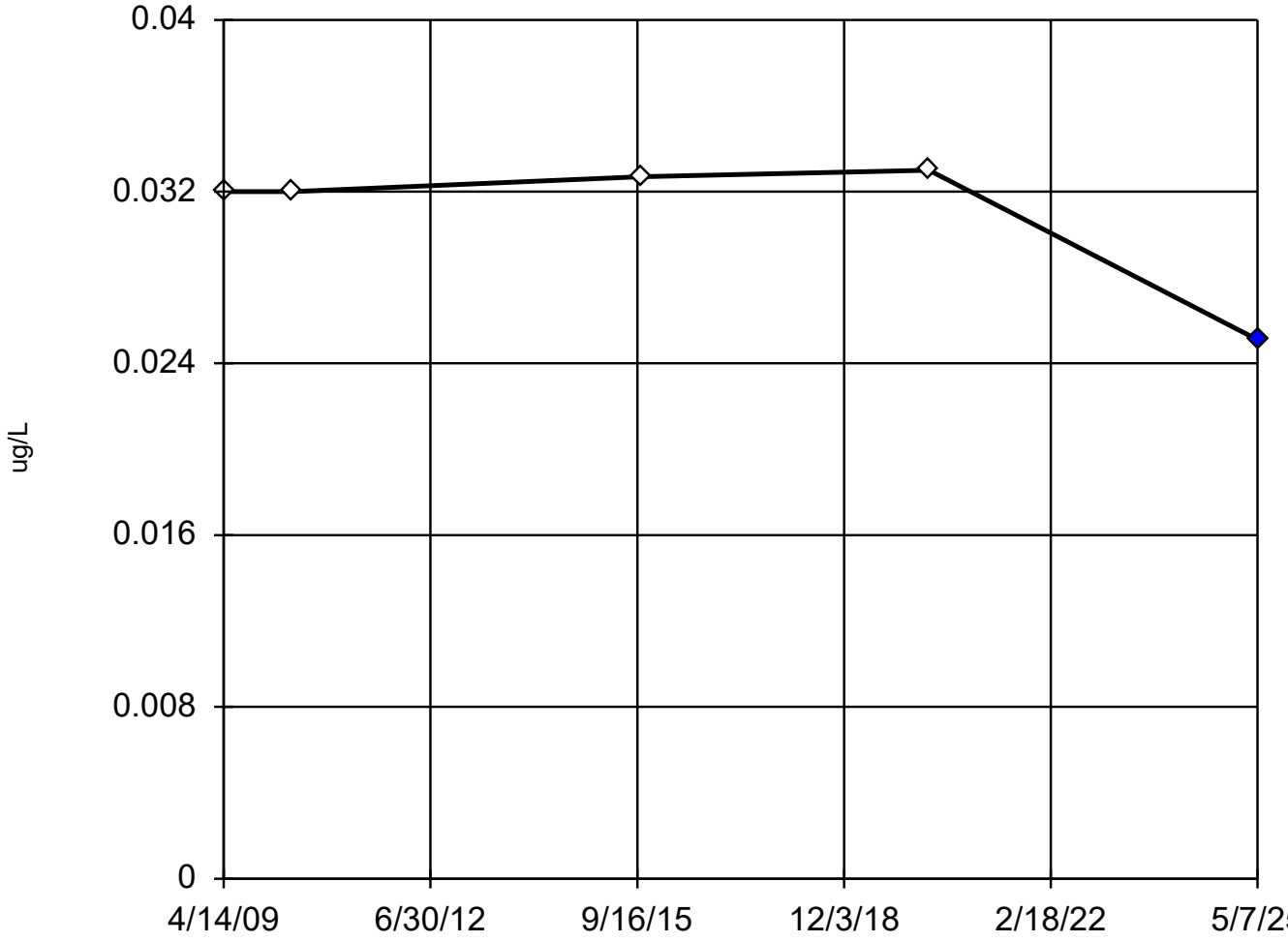
Constituent: Endrin Analysis Run 7/13/2025 11:17 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-31B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03096.
Std. Dev. = 0.003305.
<0.0251: c = 0.8734
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8435
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

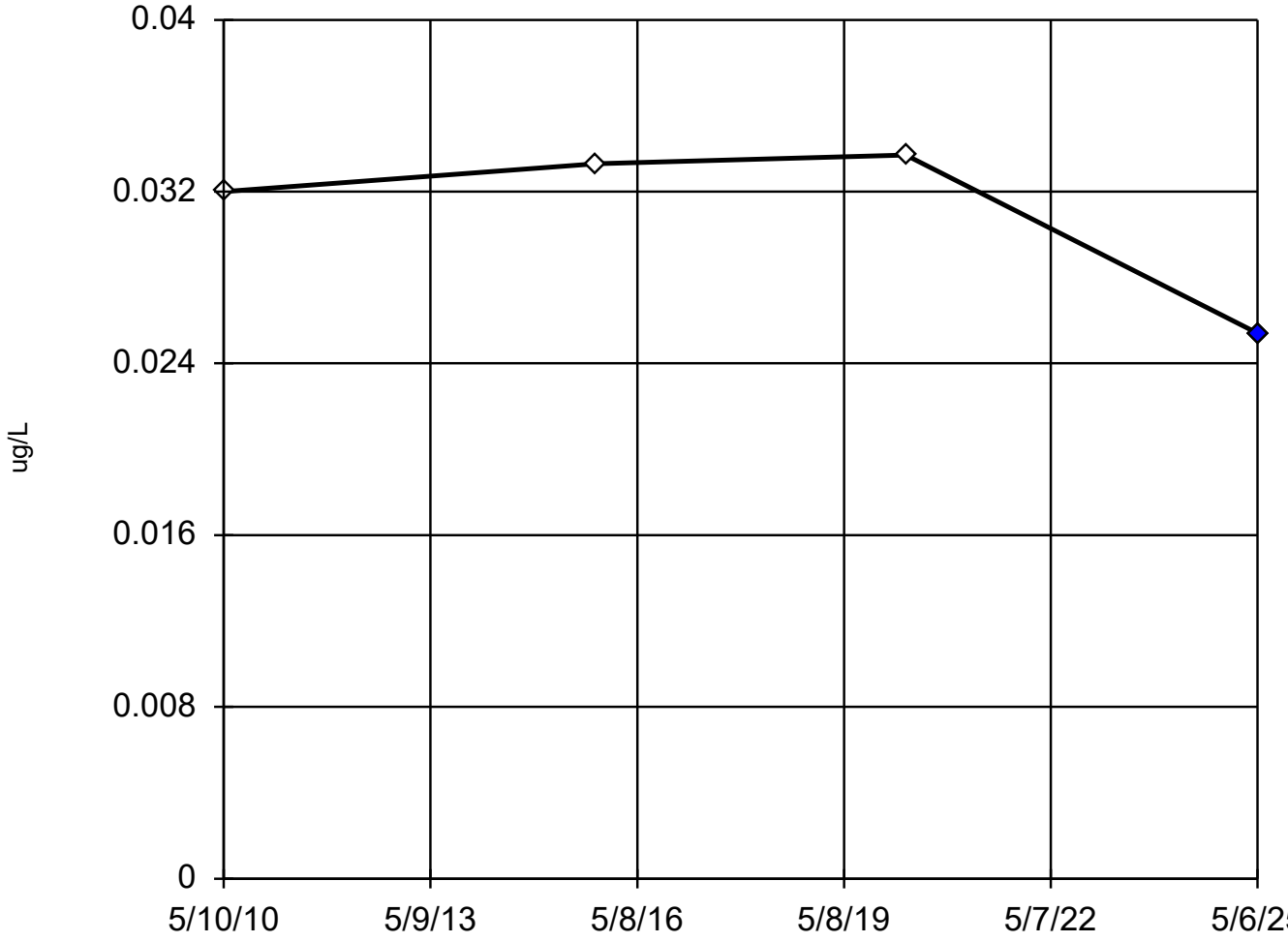
Constituent: Endrin Analysis Run 7/13/2025 11:17 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-201A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.0311.
Std. Dev. = 0.003869.
<0.0254: c = 0.7952
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9145
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

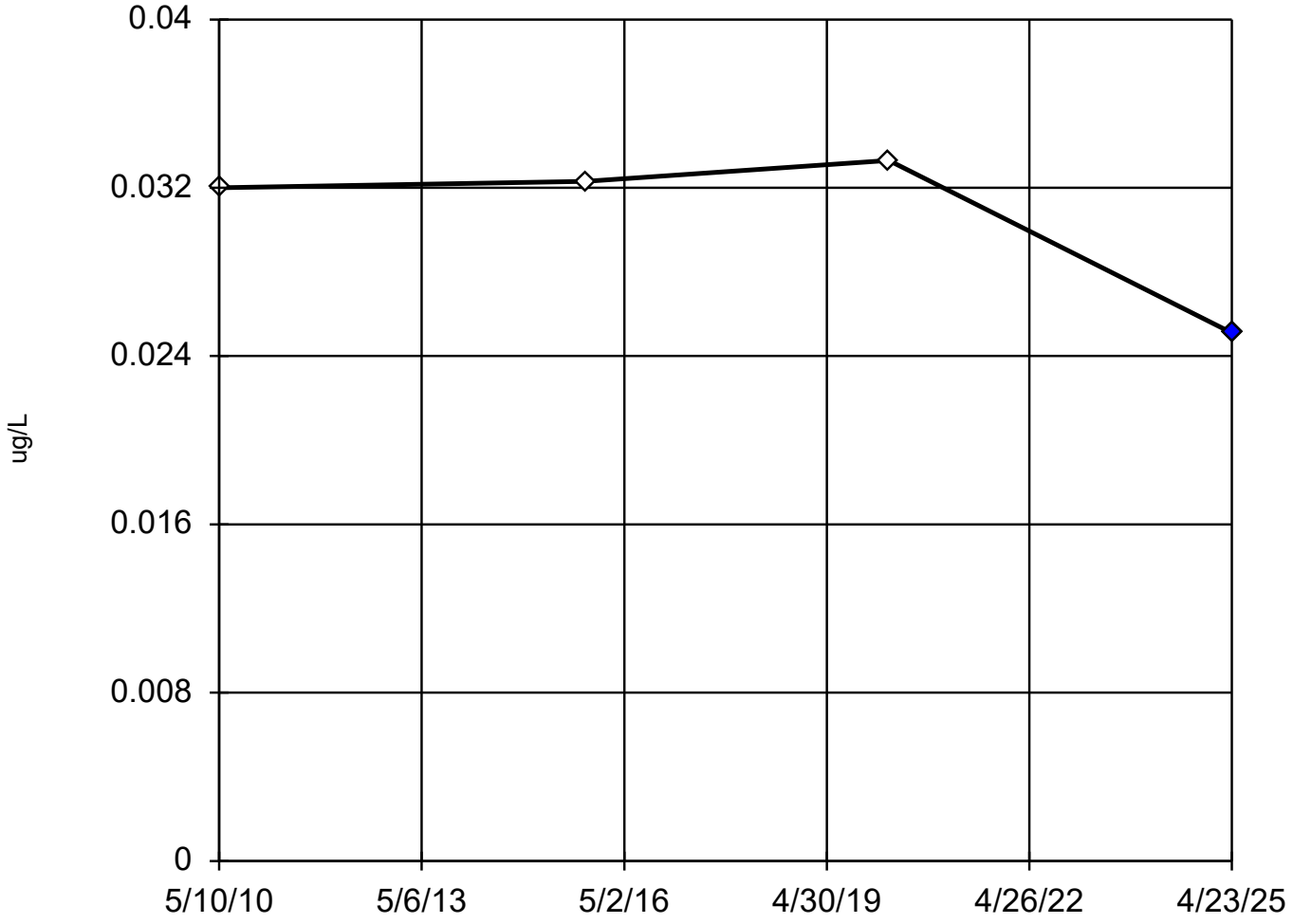
Constituent: Endrin Analysis Run 7/13/2025 11:17 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-202A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03068.
Std. Dev. = 0.003758.
<0.0251: c = 0.8415
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9119
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Endrin Analysis Run 7/13/2025 11:17 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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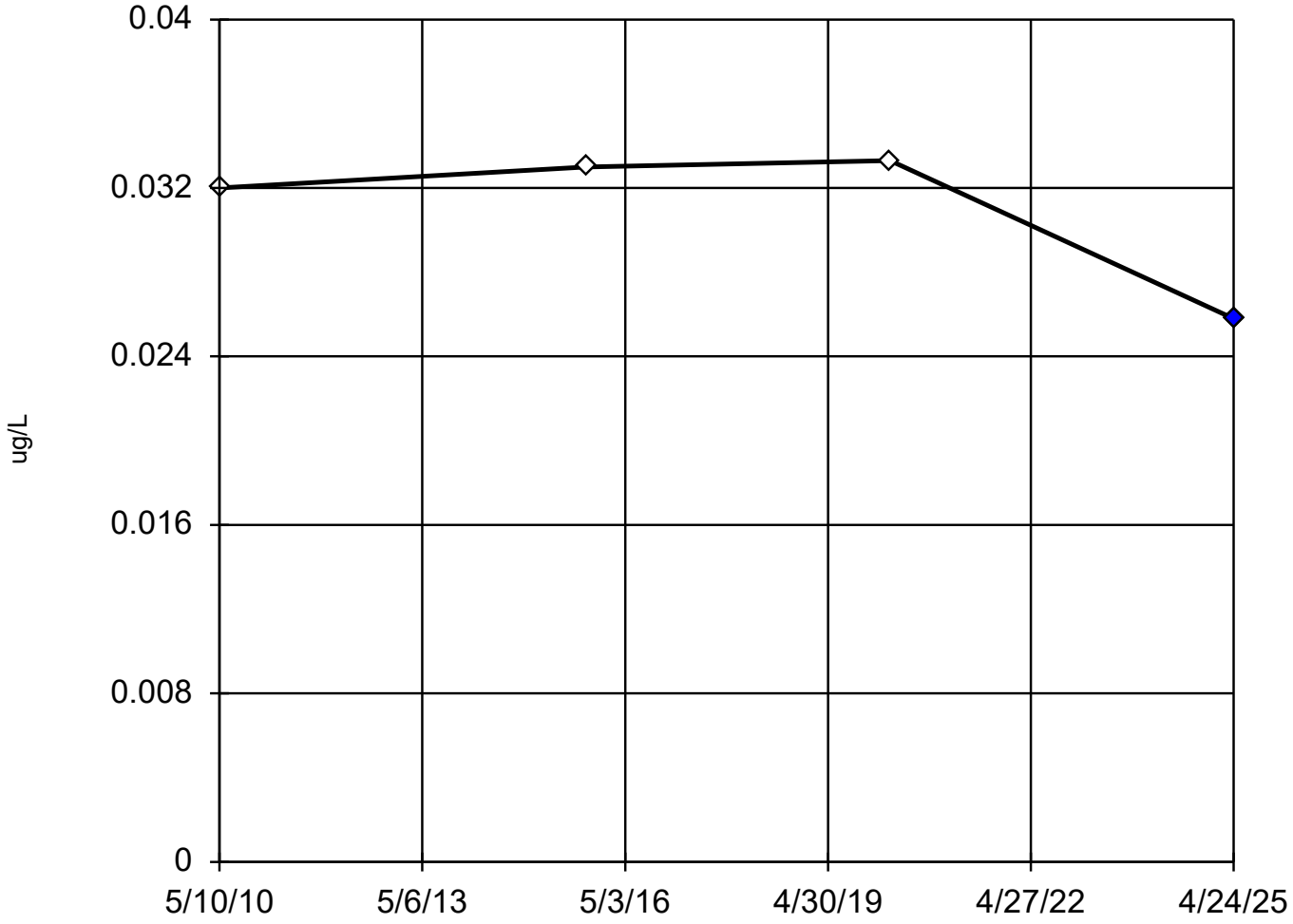
Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03103.
Std. Dev. = 0.003527.
<0.0258: c = 0.8267
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9119
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

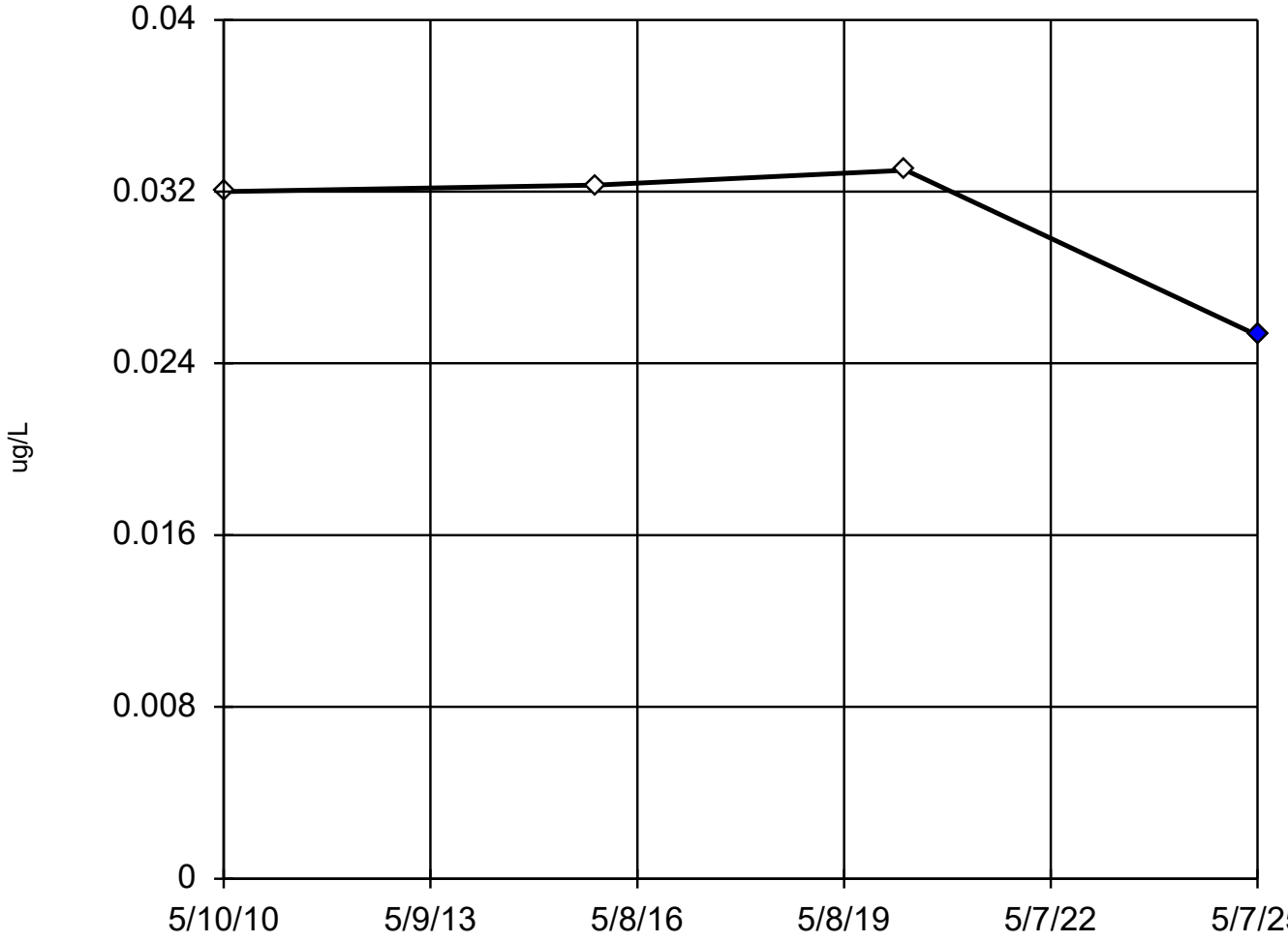
Constituent: Endrin Analysis Run 7/13/2025 11:17 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-215A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03065.
Std. Dev. = 0.003591.
<0.0253: c = 0.8701
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9493
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Endrin Analysis Run 7/13/2025 11:17 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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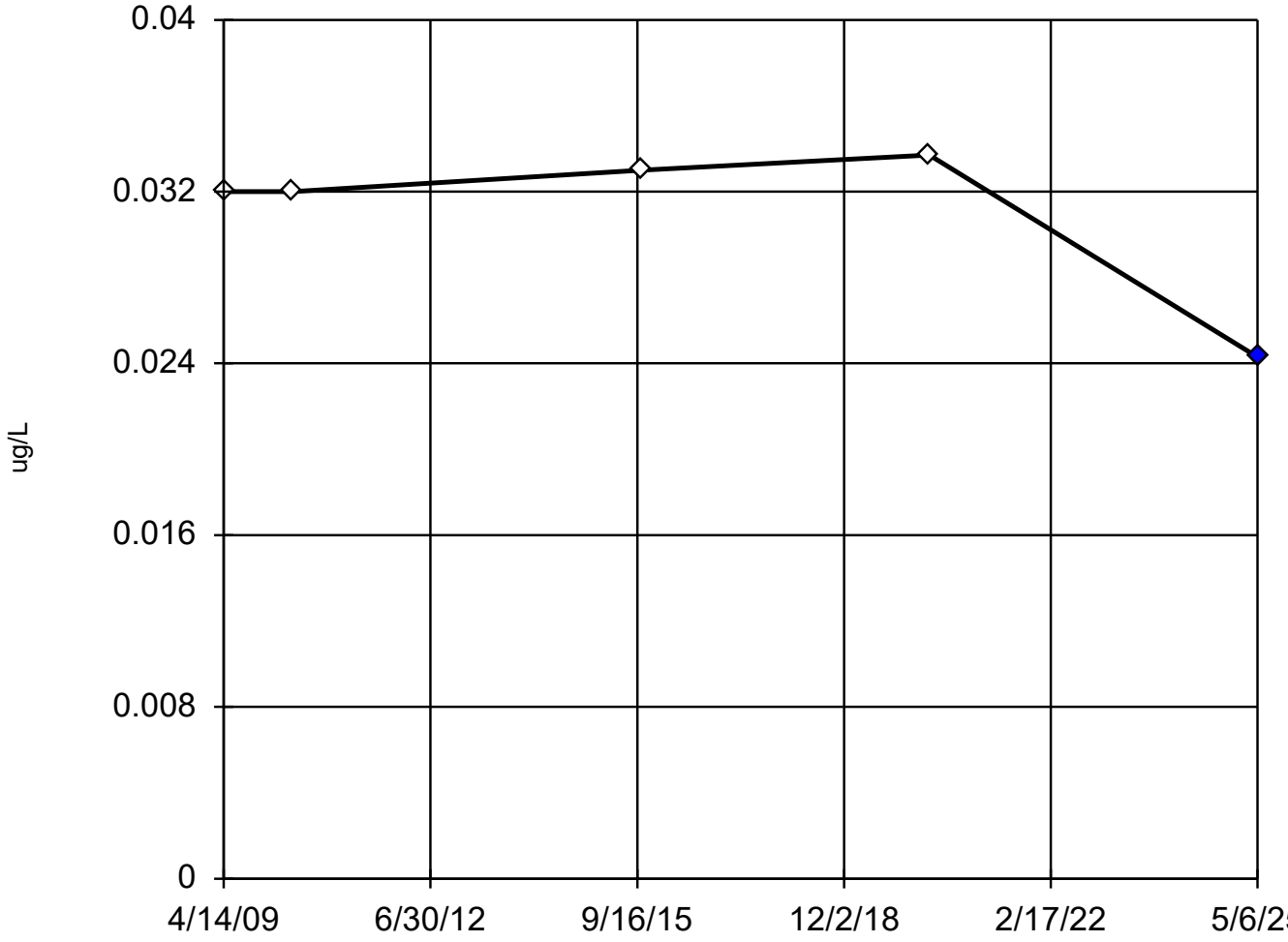
Dixon's Outlier Test

MW-5B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.031.
Std. Dev. = 0.003814.
<0.0243: c = 0.8191
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8632
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

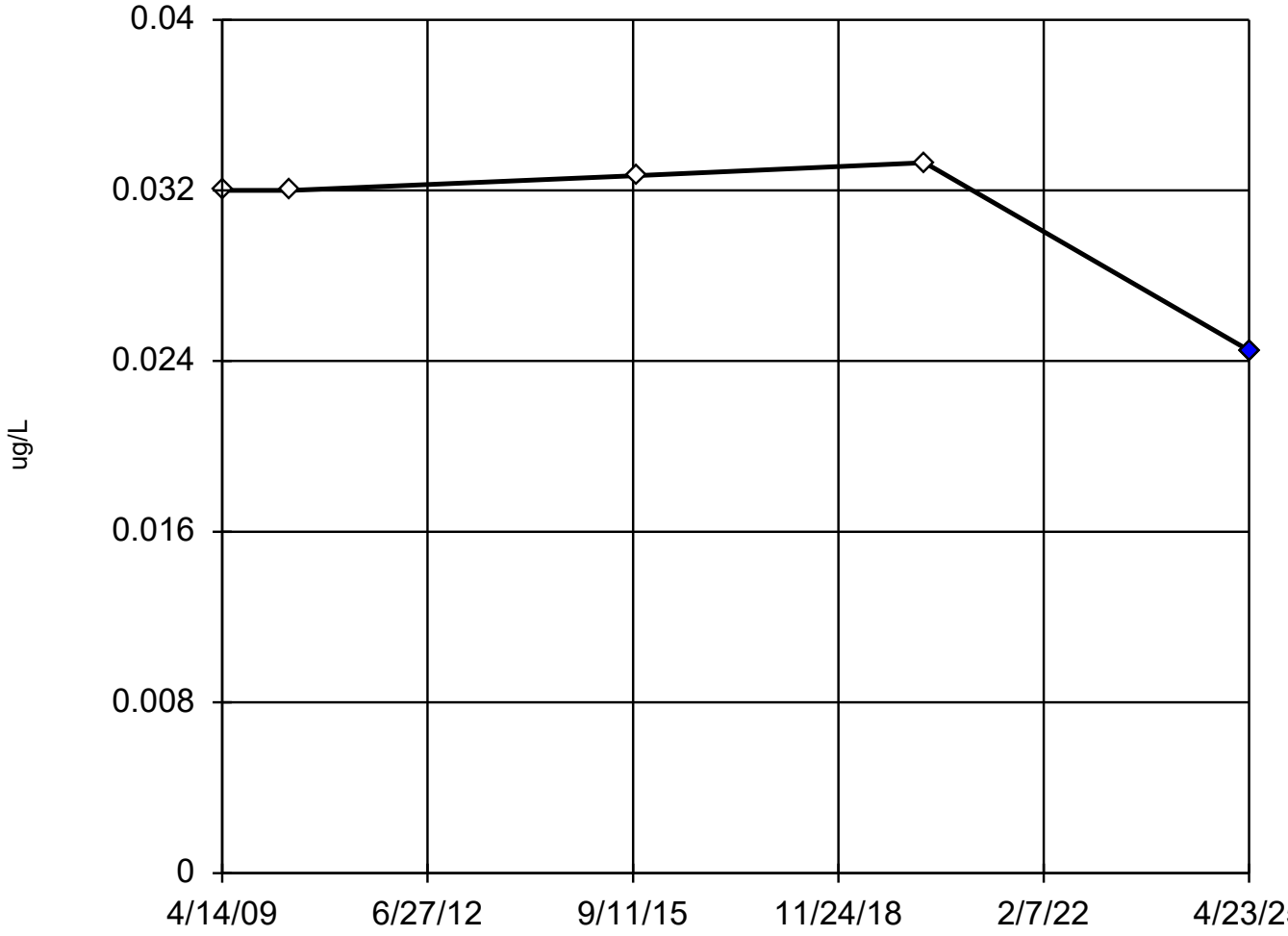
Constituent: Endrin aldehyde Analysis Run 7/13/2025 11:18 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-17A-00



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.0309.
Std. Dev. = 0.003619.
<0.0245: c = 0.8523
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8658
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

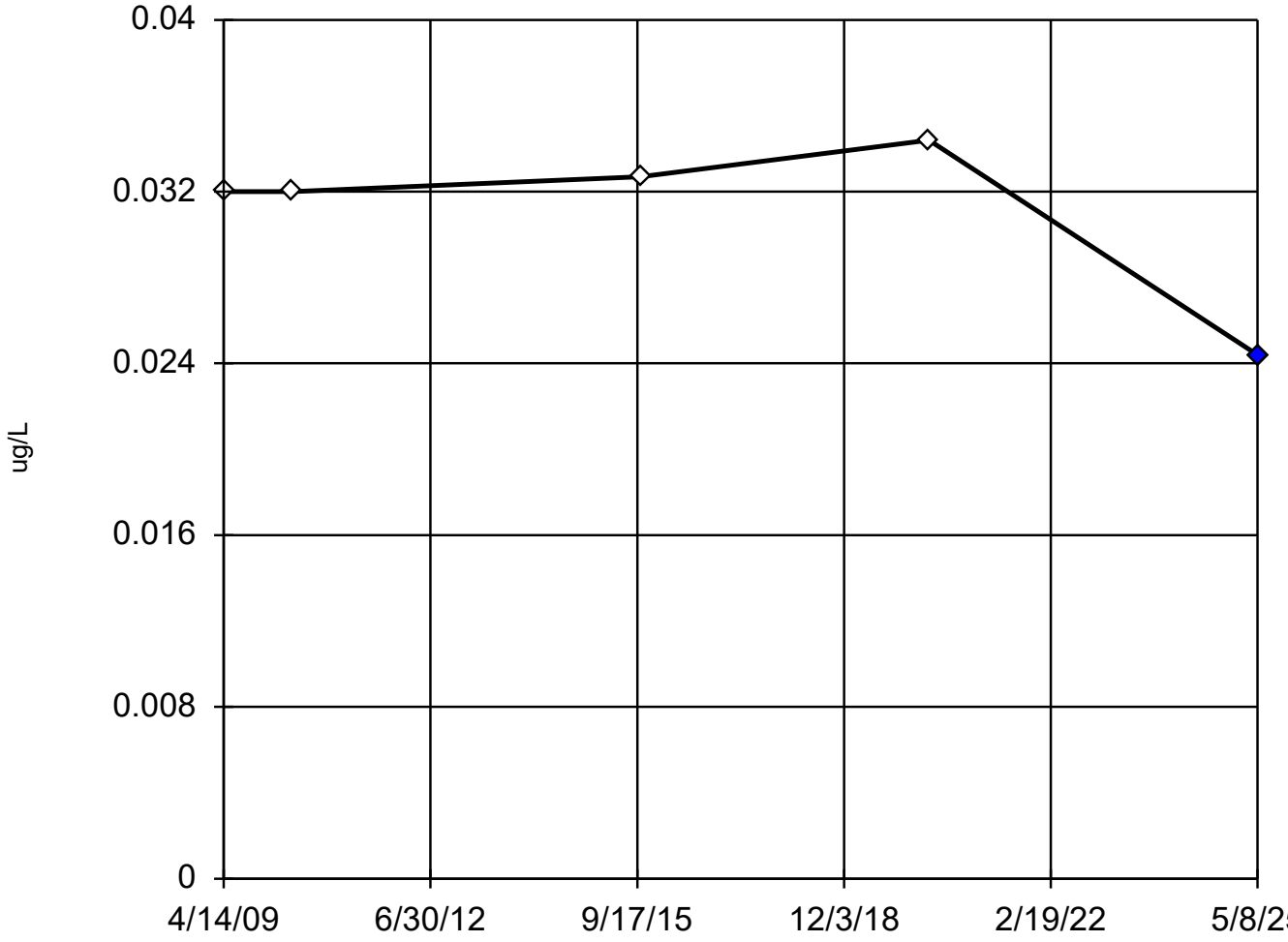
Constituent: Endrin aldehyde Analysis Run 7/13/2025 11:18 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-25A-00



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.0311.
Std. Dev. = 0.003872.
<0.0244: c = 0.76
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8112
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

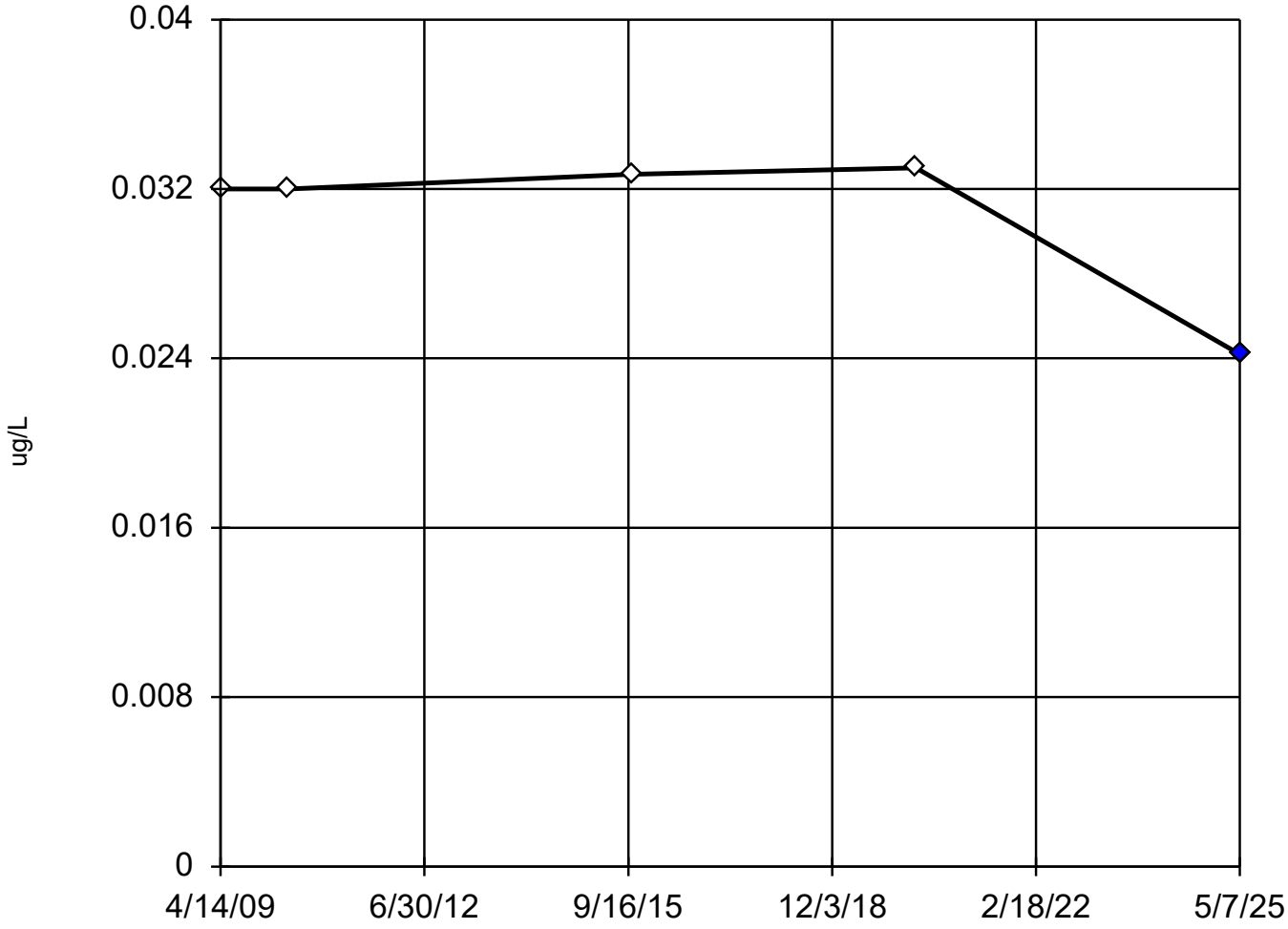
Constituent: Endrin aldehyde Analysis Run 7/13/2025 11:18 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-31B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03078.
Std. Dev. = 0.003704.
<0.0242: c = 0.8864
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8435
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

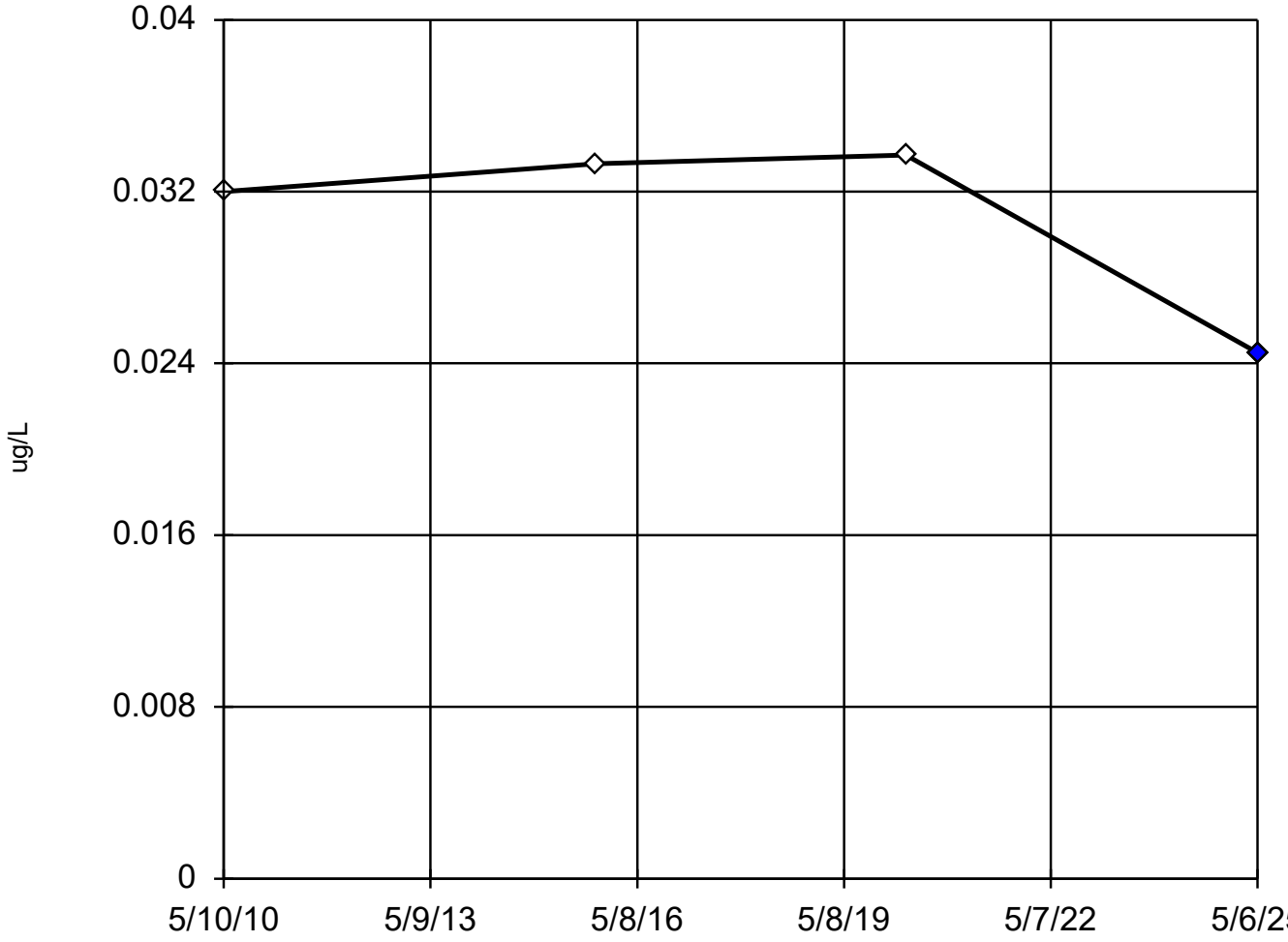
Constituent: Endrin aldehyde Analysis Run 7/13/2025 11:18 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-201A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03088.
Std. Dev. = 0.004312.
<0.0245: c = 0.8152
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9145
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

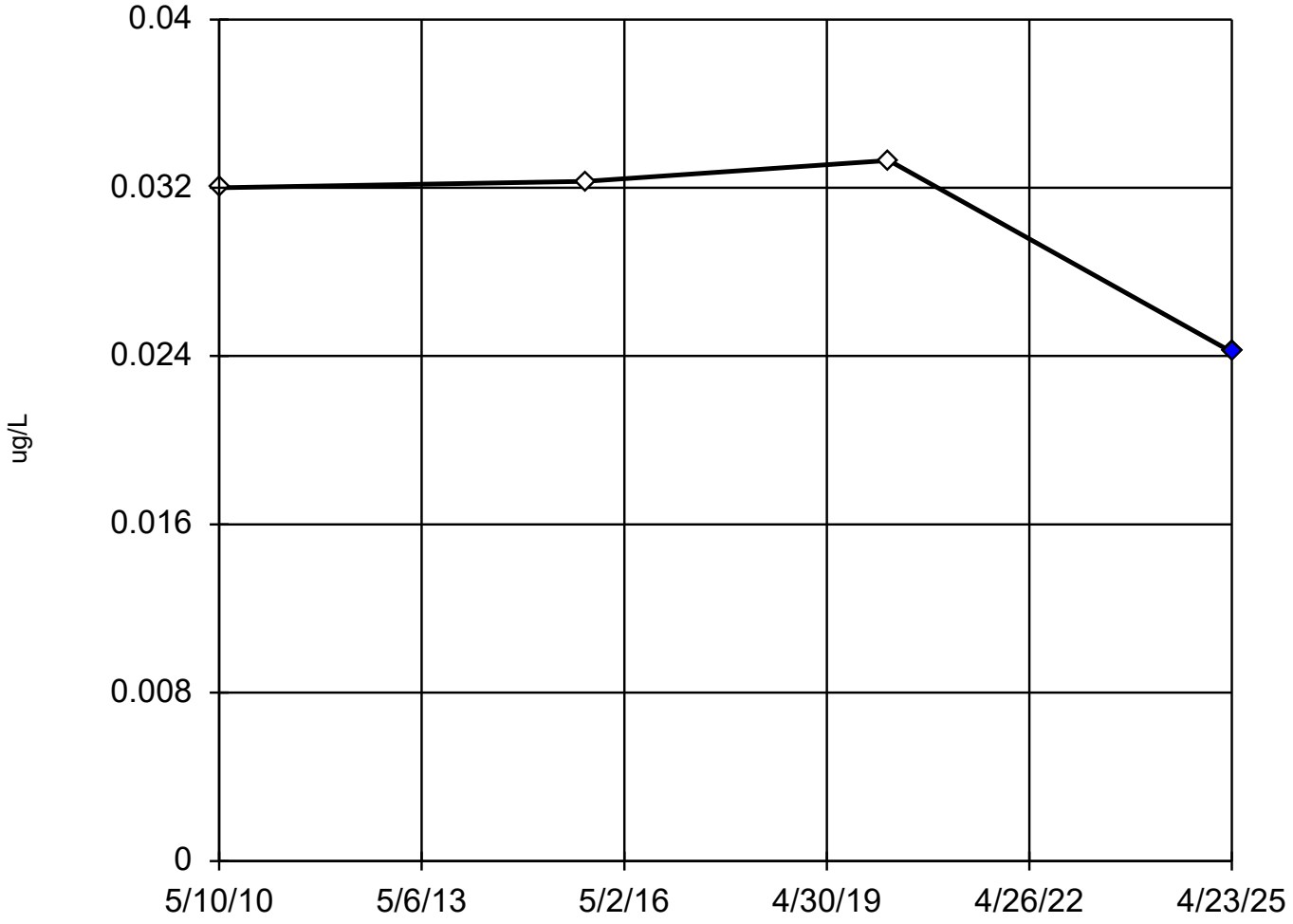
Constituent: Endrin aldehyde Analysis Run 7/13/2025 11:18 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-202A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03045.
Std. Dev. = 0.004204.
<0.0242: c = 0.8571
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9119
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

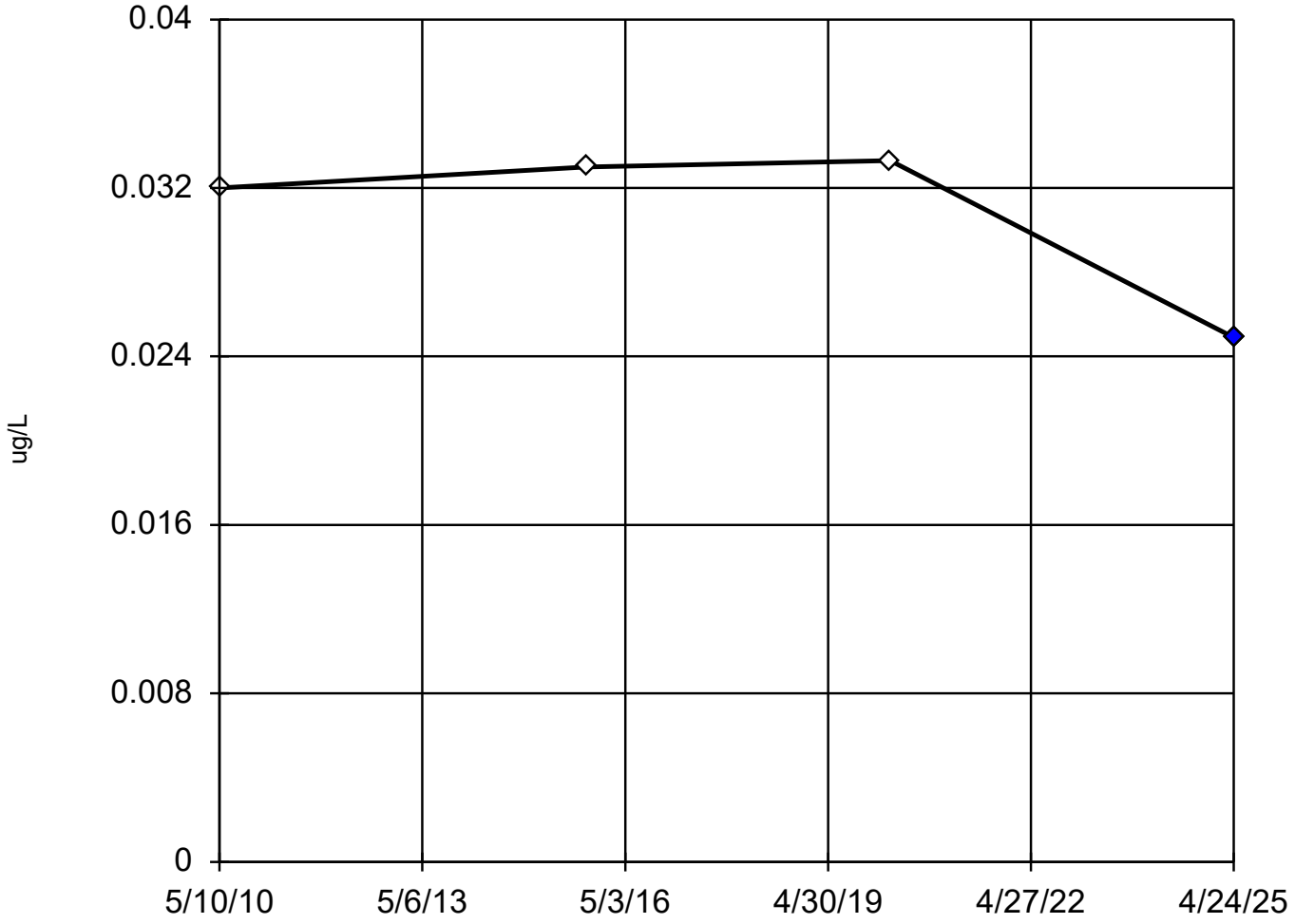
Constituent: Endrin aldehyde Analysis Run 7/13/2025 11:18 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.0308.
Std. Dev. = 0.003972.
<0.0249: c = 0.8452
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9119
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

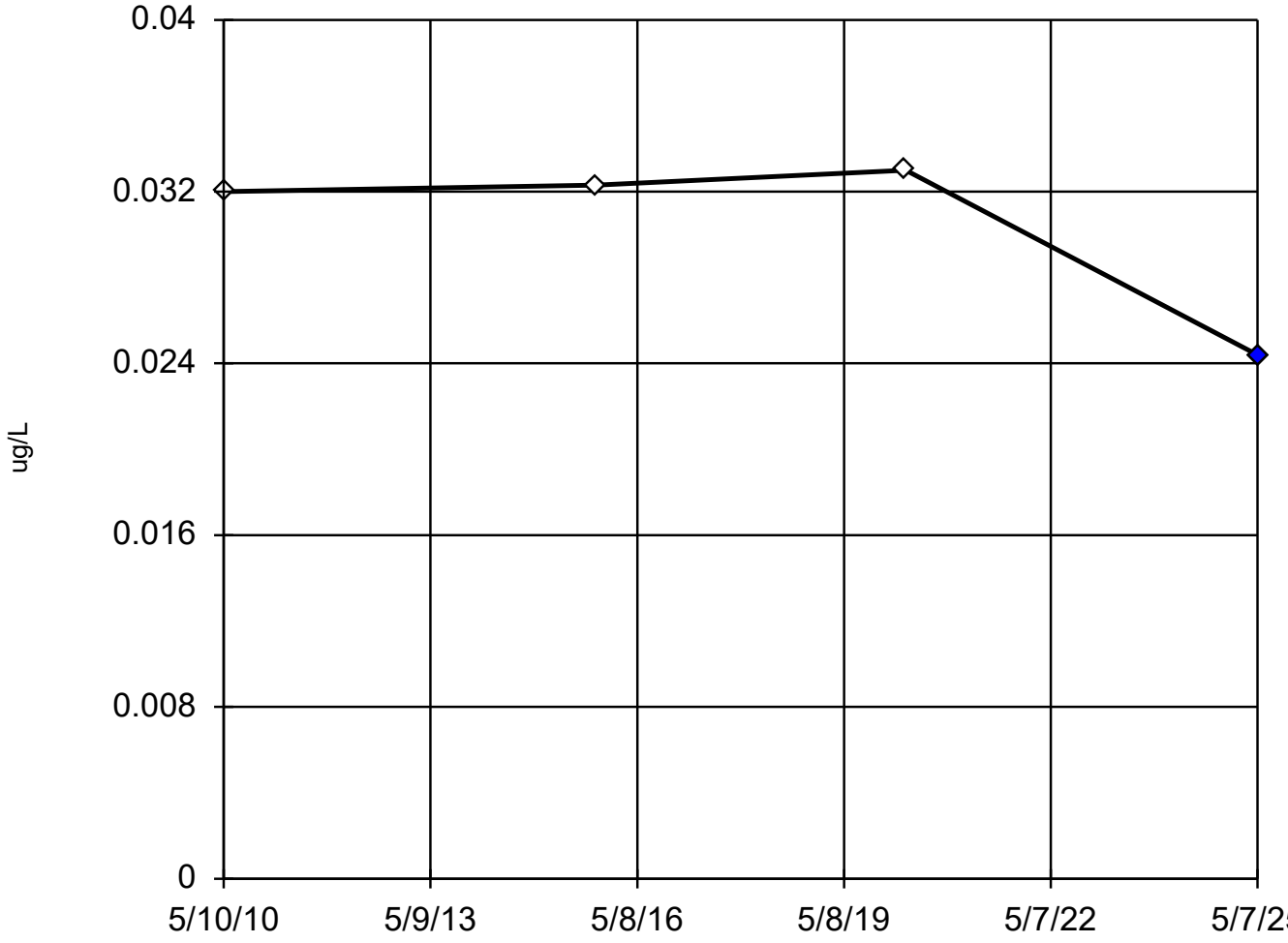
Constituent: Endrin aldehyde Analysis Run 7/13/2025 11:18 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-215A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03043.
Std. Dev. = 0.004038.
<0.0244: c = 0.8837
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9493
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

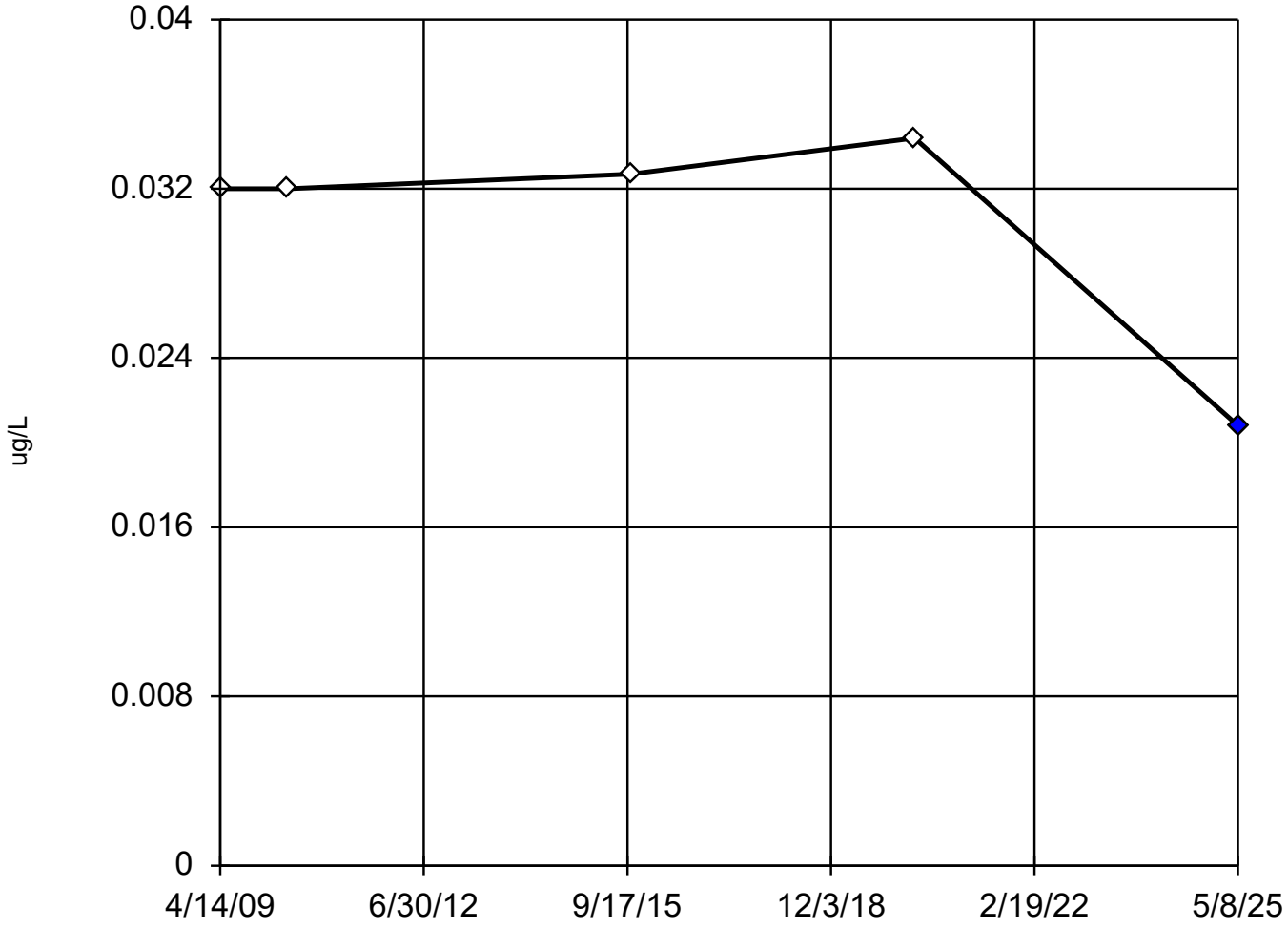
Constituent: Endrin aldehyde Analysis Run 7/13/2025 11:18 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-25A-00



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03038.
Std. Dev. = 0.005444.
<0.0208: c = 0.8235
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8112
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

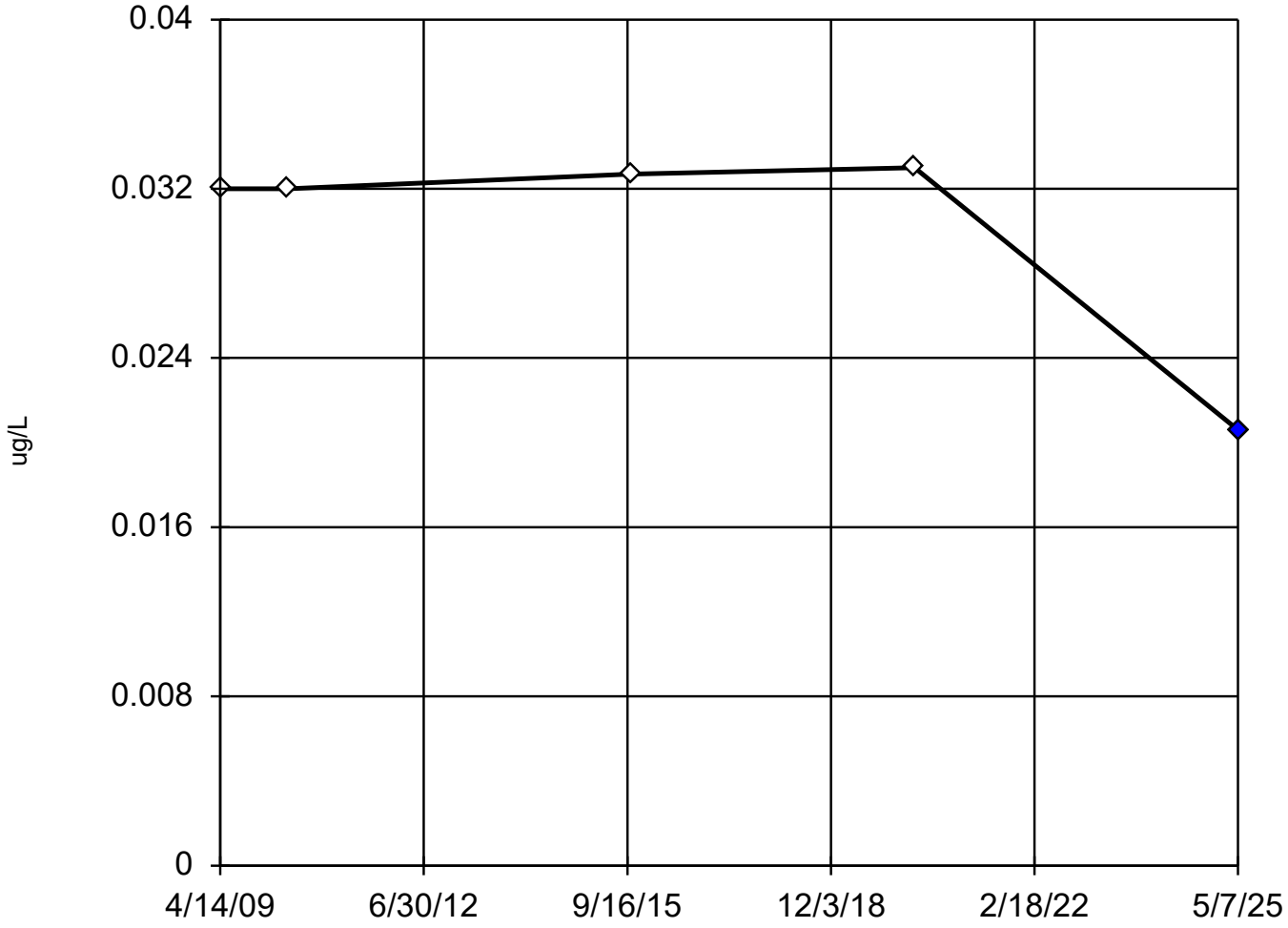
Constituent: Heptachlor Analysis Run 7/13/2025 11:20 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-31B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03006.
Std. Dev. = 0.005306.
<0.0206: c = 0.9194
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8435
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

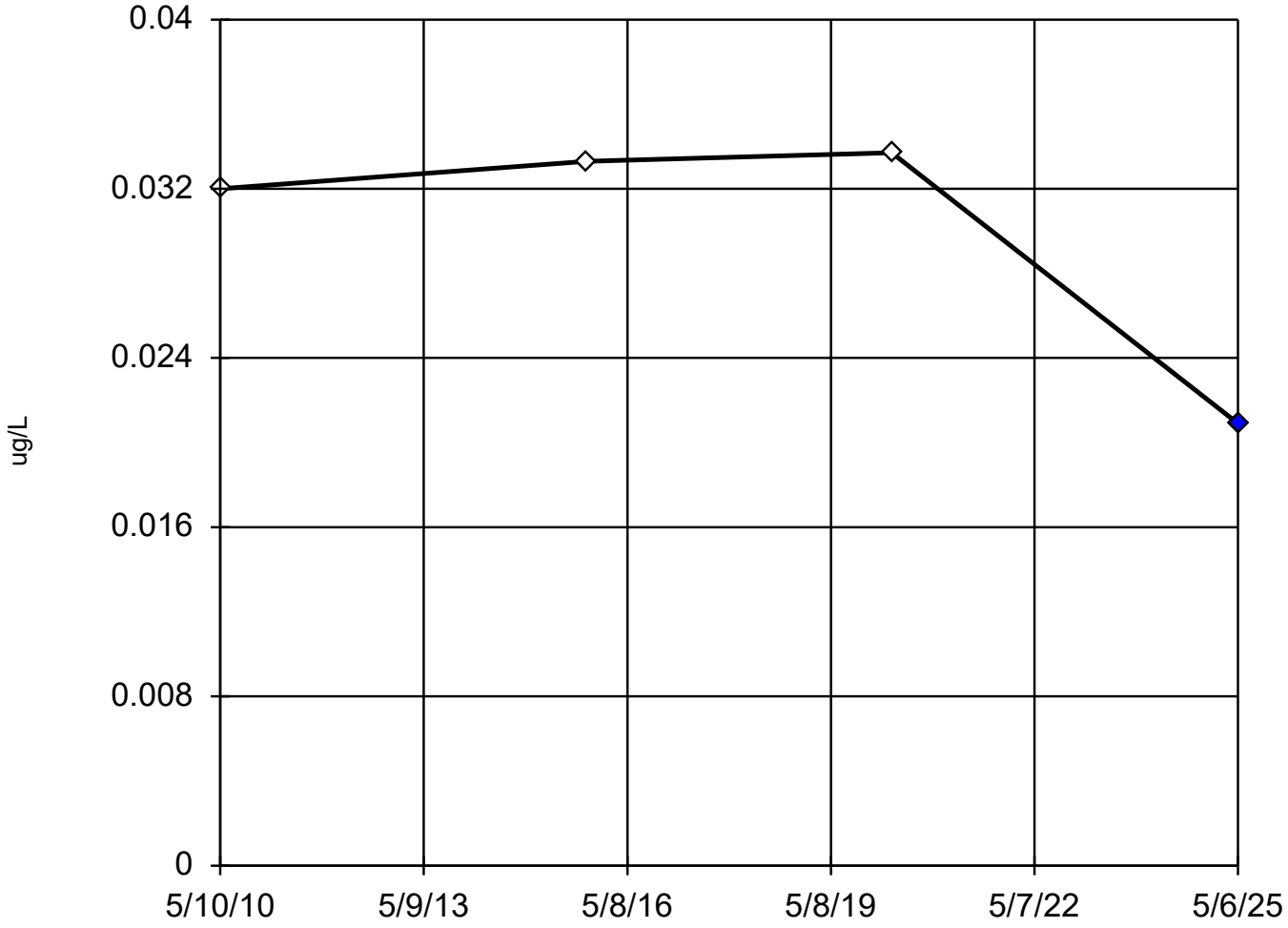
Constituent: Heptachlor Analysis Run 7/13/2025 11:20 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-201A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02998.
Std. Dev. = 0.006093.
<0.0209: c = 0.8672
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9145
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

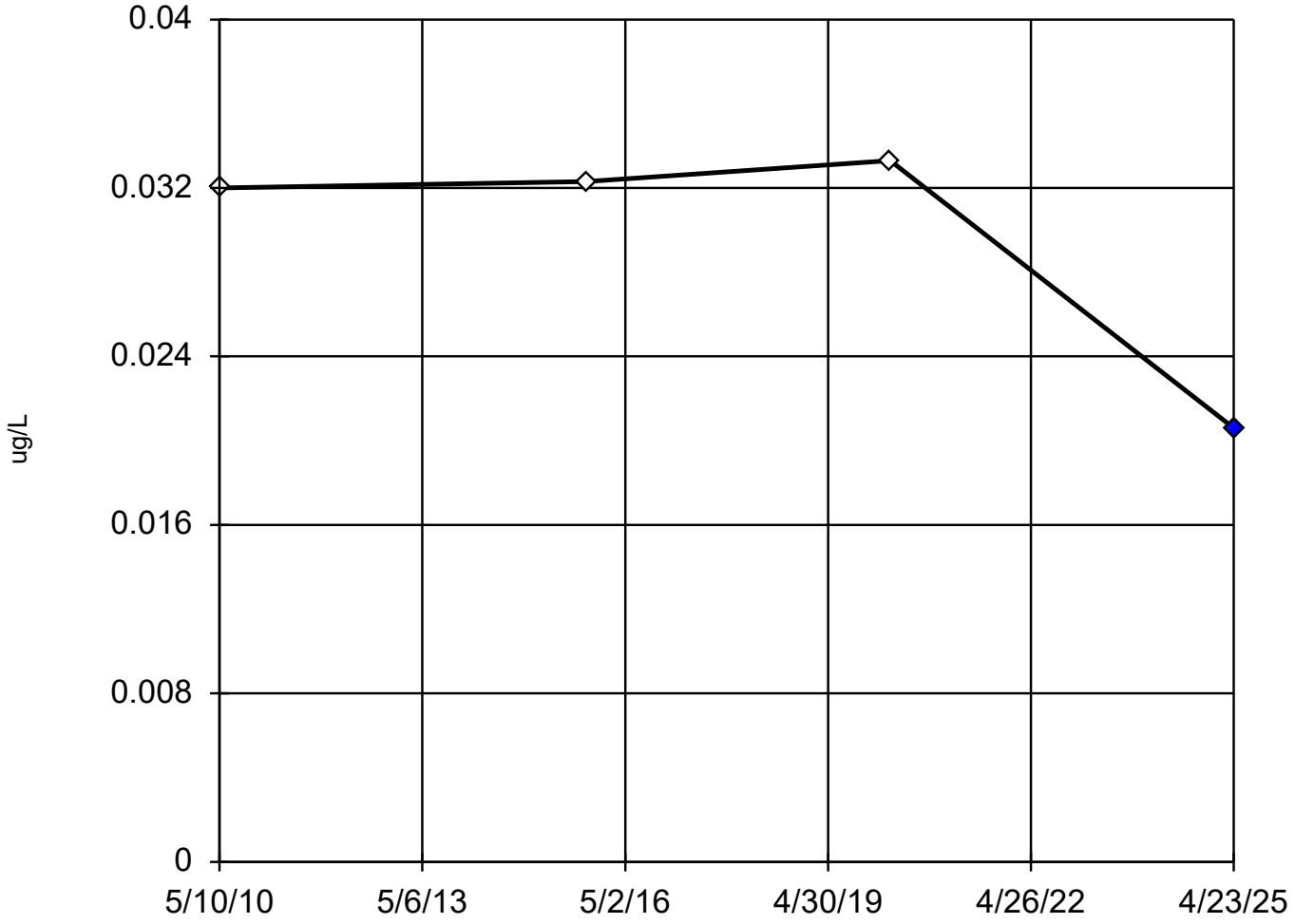
Constituent: Heptachlor Analysis Run 7/13/2025 11:20 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-202A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02955.
Std. Dev. = 0.005992.
<0.0206: c = 0.8976
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9119
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

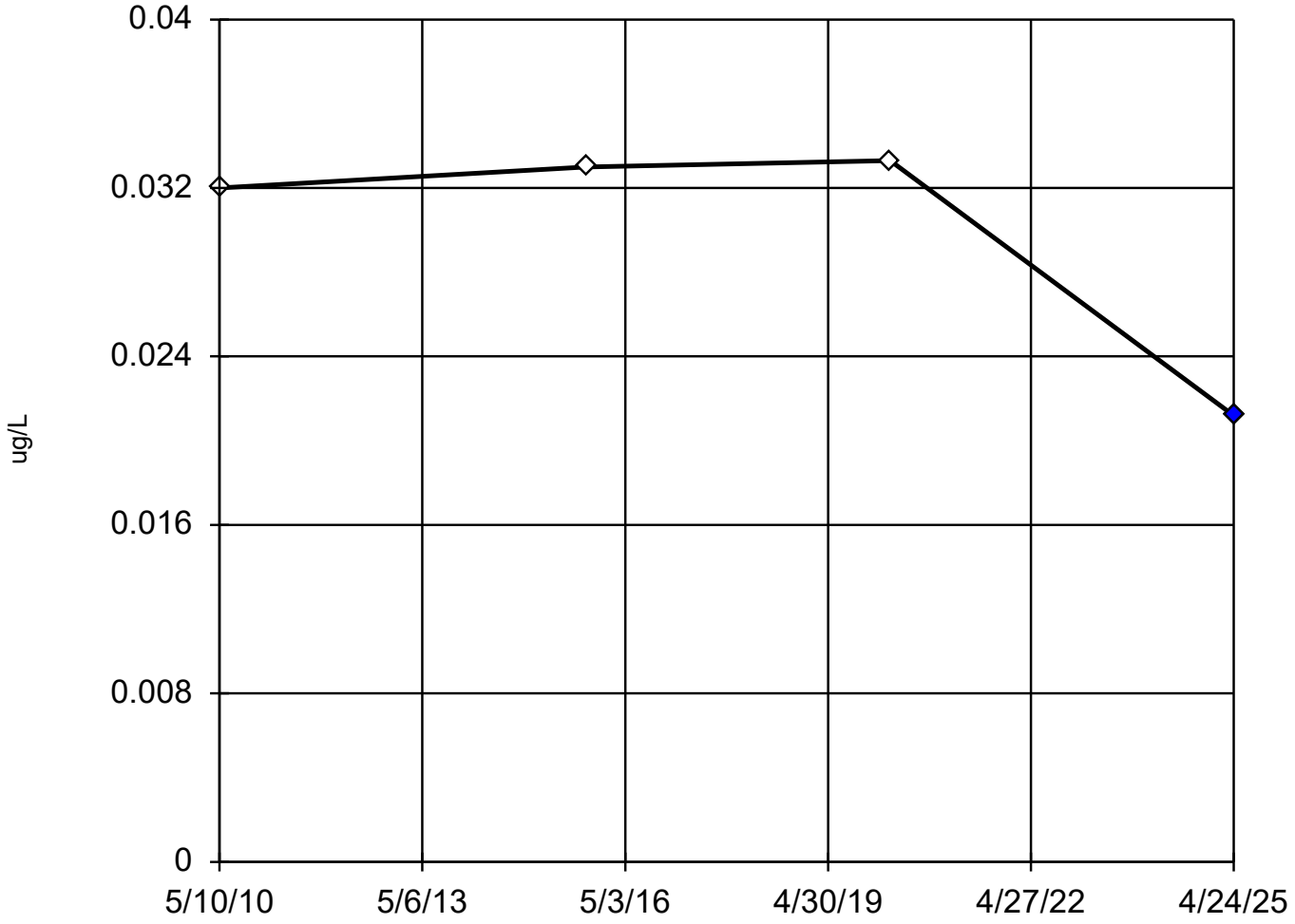
Constituent: Heptachlor Analysis Run 7/13/2025 11:20 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02988.
Std. Dev. = 0.00581.
<0.0212: c = 0.8926
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9119
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

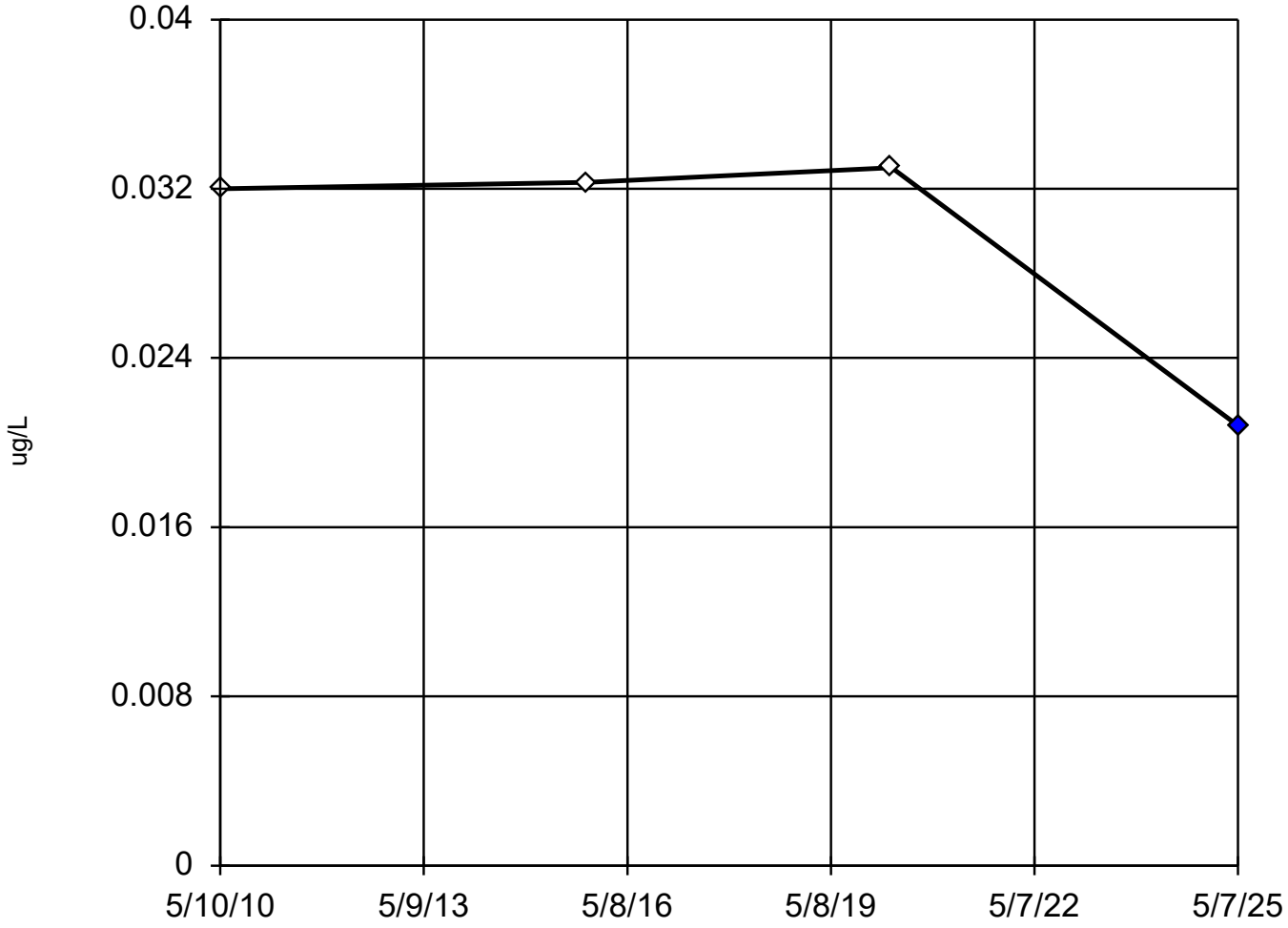
Constituent: Heptachlor Analysis Run 7/13/2025 11:20 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-215A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.02953.
Std. Dev. = 0.005832.
<0.0208: c = 0.918
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9493
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

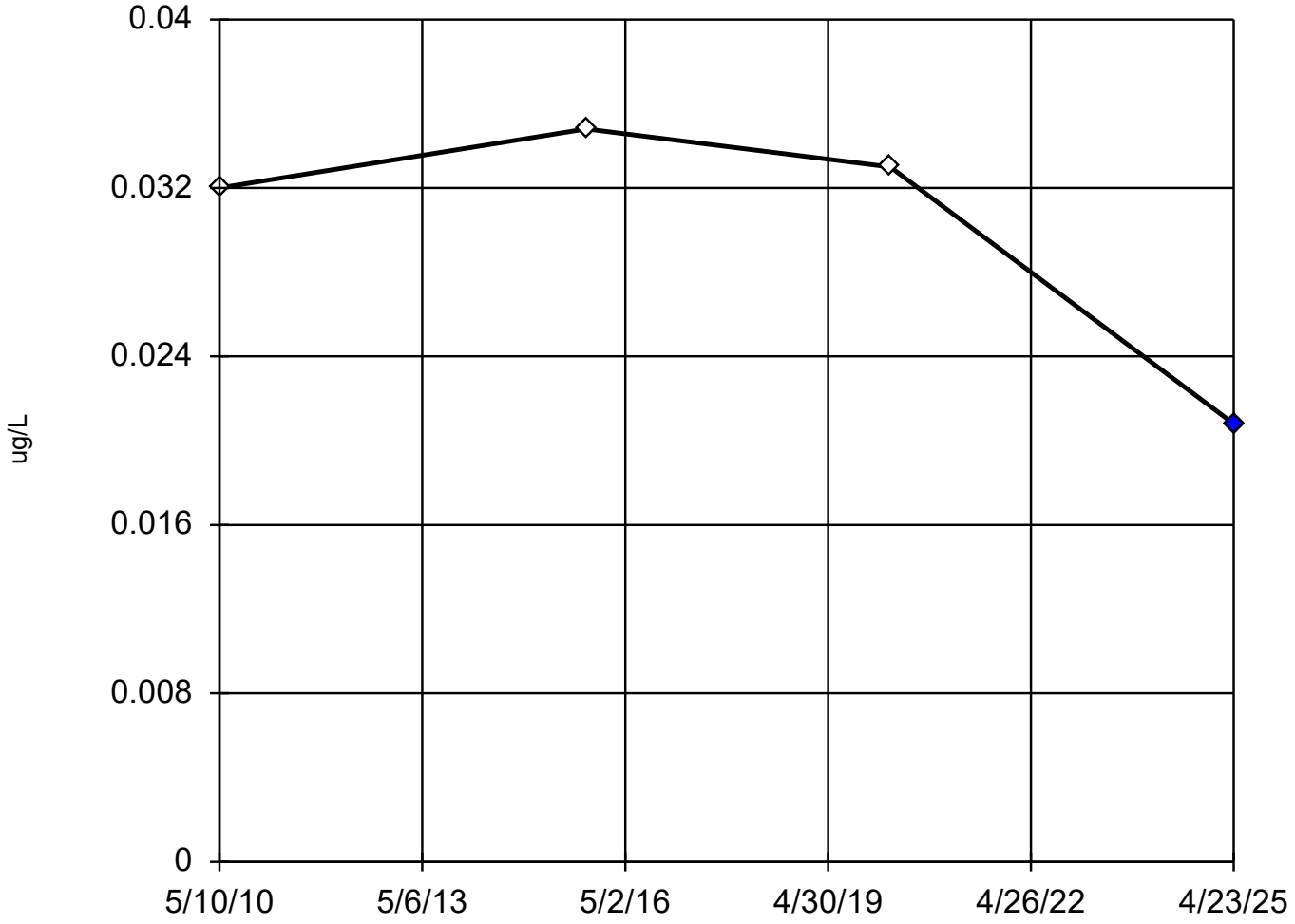
Constituent: Heptachlor Analysis Run 7/13/2025 11:20 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-214A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 0.03015.
Std. Dev. = 0.00634.
<0.0208: c = 0.8
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9735
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Heptachlor Analysis Run 7/13/2025 11:20 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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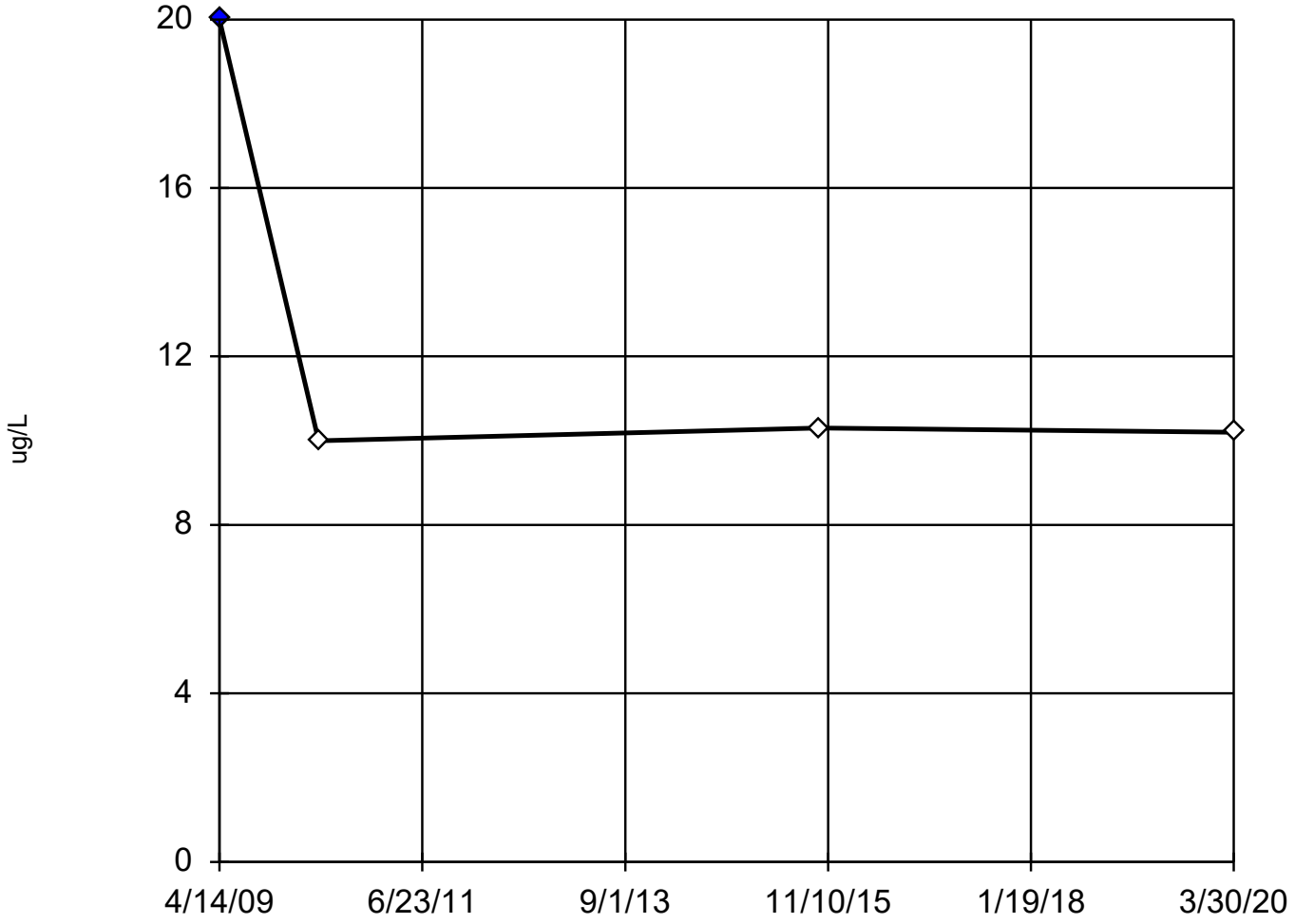
Dixon's Outlier Test

MW-14B



n = 4

Statistical outlier is drawn as solid.
Testing for 1 high outlier.
Mean = 12.63.
Std. Dev. = 4.918.
<20: c = 0.97
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

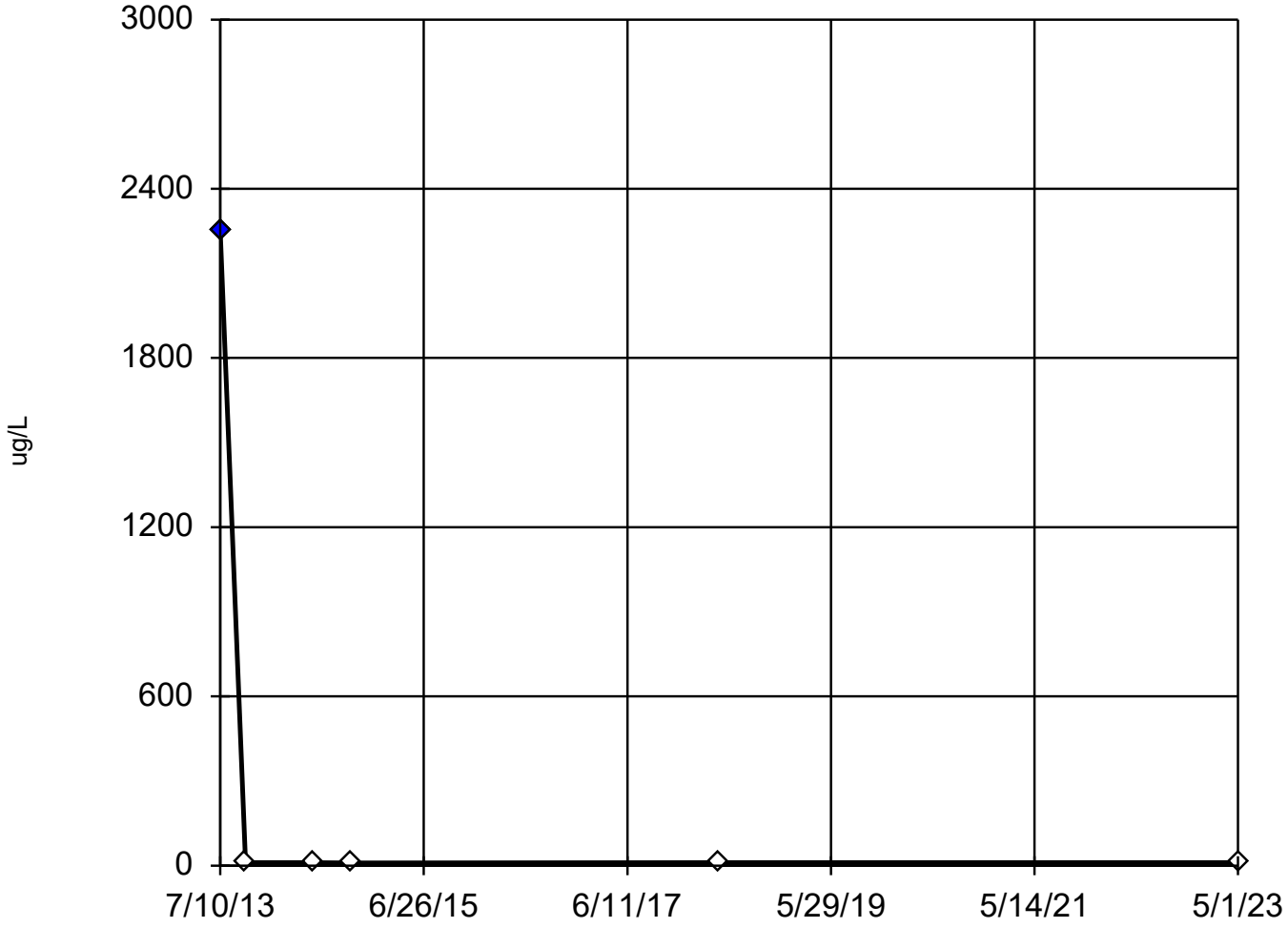
Constituent: m/p-Cresol Analysis Run 7/13/2025 11:21 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-219A



n = 6

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 383.6.
Std. Dev. = 914.4.
2250 (o): c = 0.9997
tabl = 0.56.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8401
Critical = 0.806
The distribution, after removal of suspect value, was found to be normally distributed.

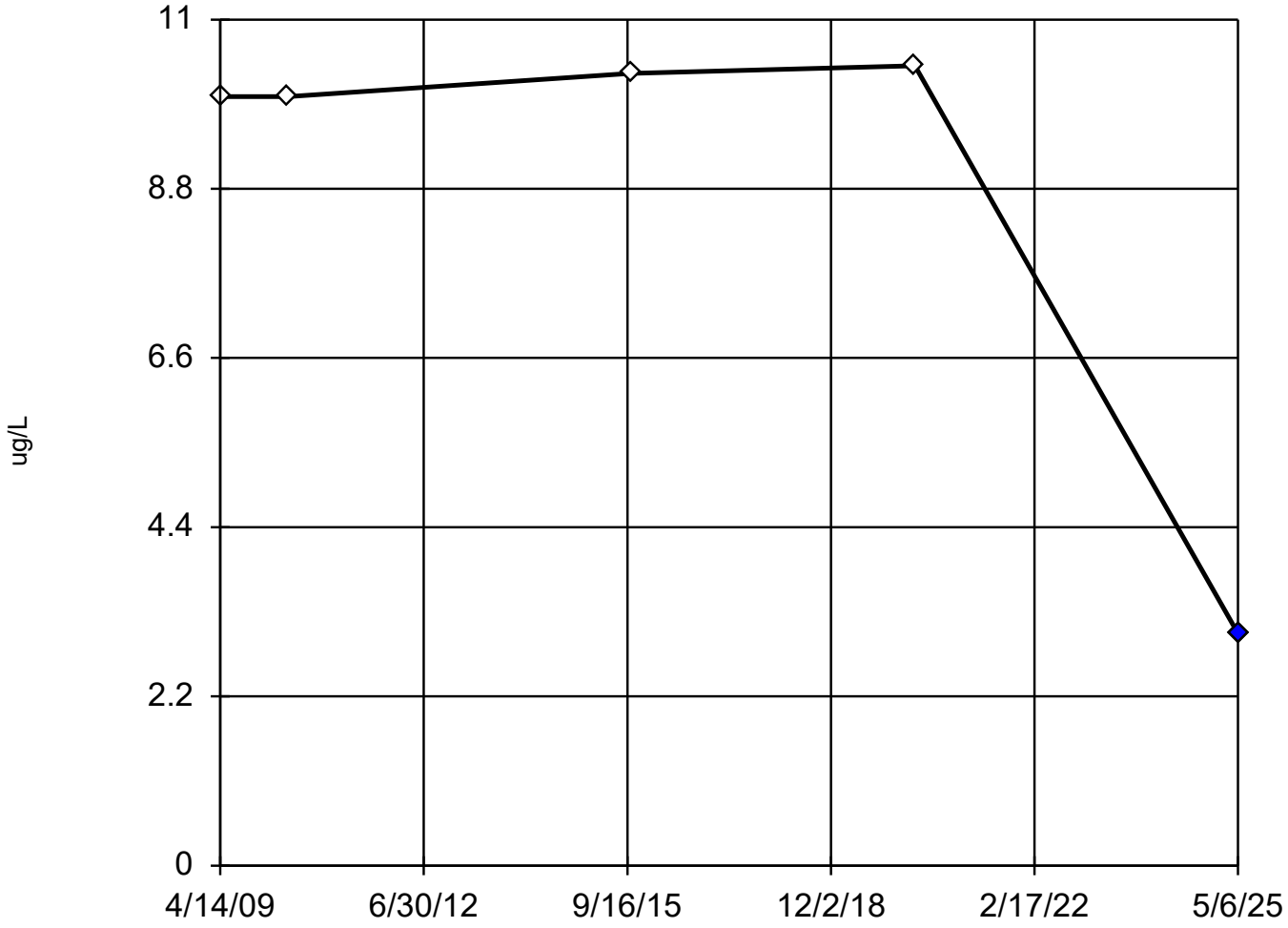
Constituent: m/p-Cresol Analysis Run 7/13/2025 11:21 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-5B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.744.
Std. Dev. = 3.205.
<3.02: c = 0.9458
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8294
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

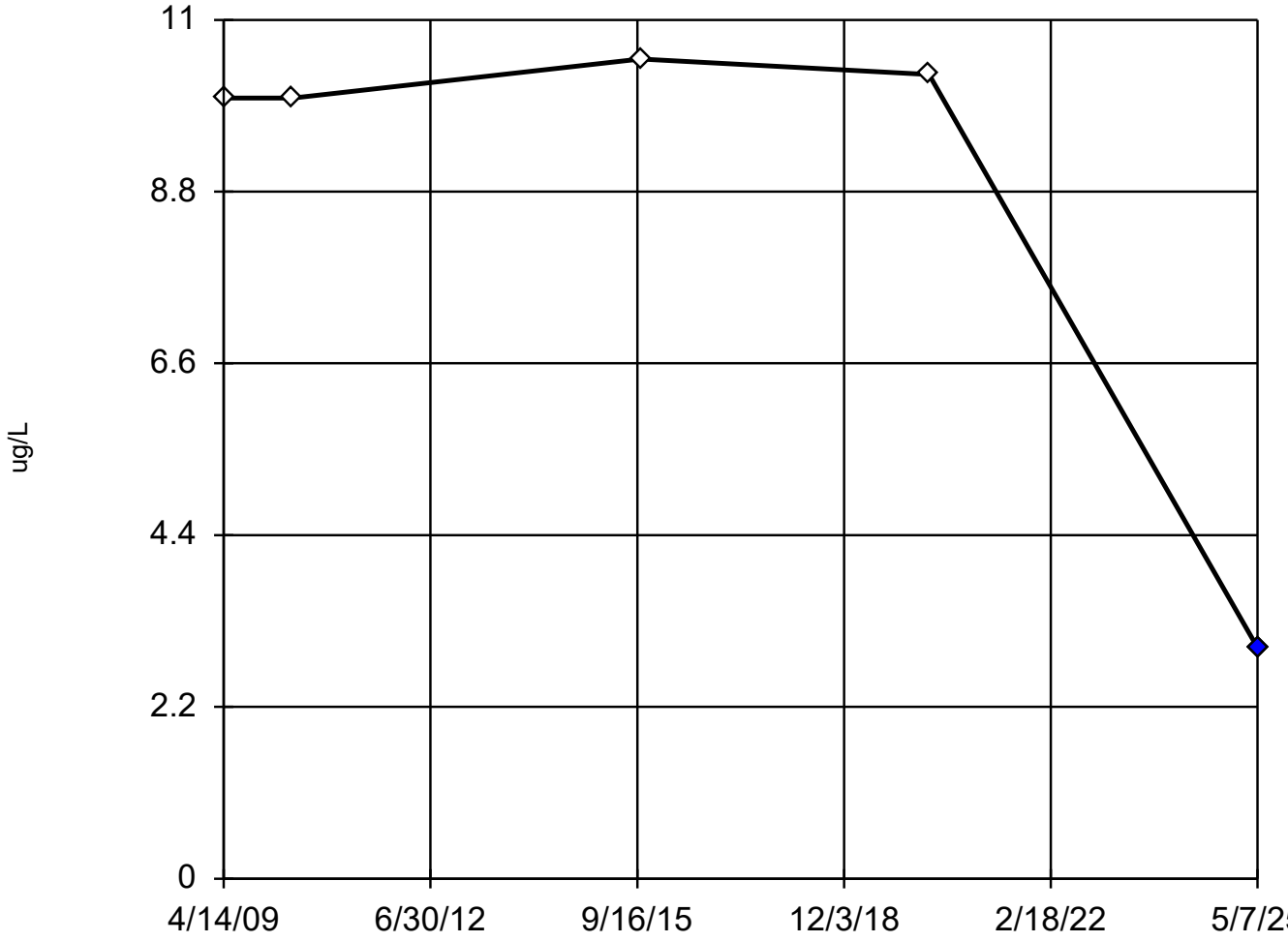
Constituent: O-Toluidine Analysis Run 7/13/2025 11:22 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-24A



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.752.
Std. Dev. = 3.245.
<2.96: c = 0.9337
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.862
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

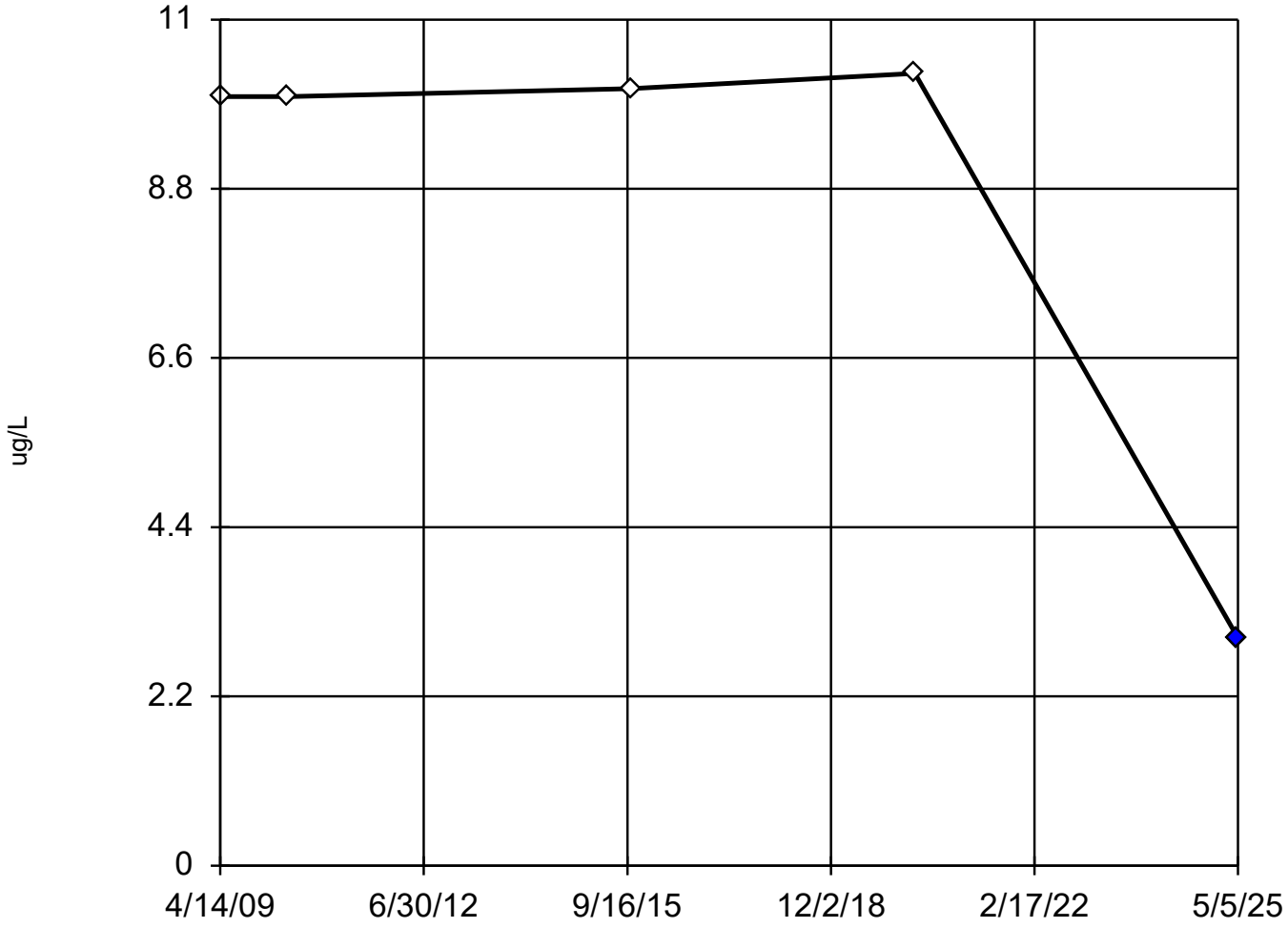
Constituent: O-Toluidine Analysis Run 7/13/2025 11:22 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-29A



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.672.
Std. Dev. = 3.195.
<2.96: c = 0.9591
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8283
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

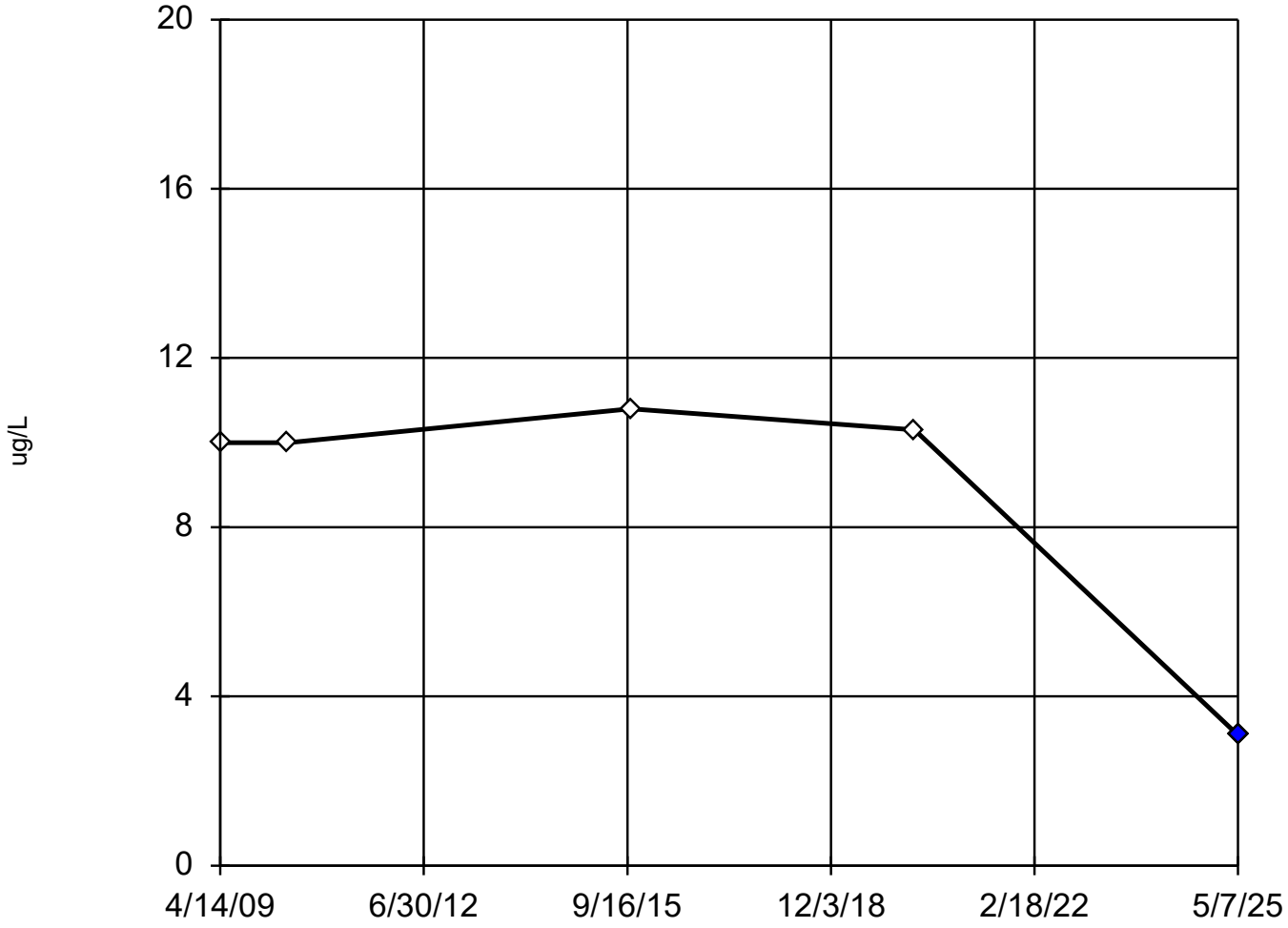
Constituent: O-Toluidine Analysis Run 7/13/2025 11:22 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-31B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.838.
Std. Dev. = 3.23.
<3.09: c = 0.8962
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8423
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

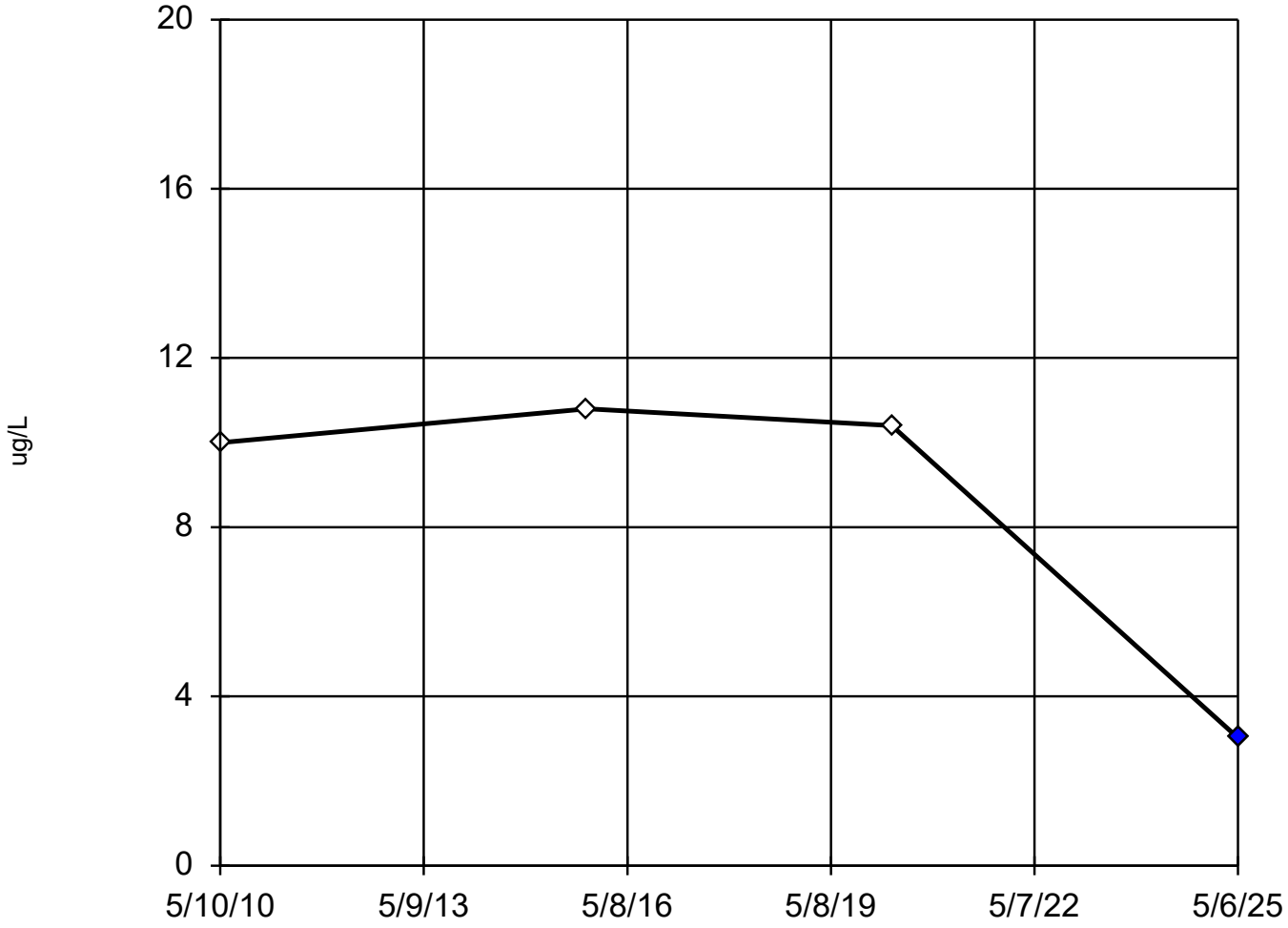
Constituent: O-Toluidine Analysis Run 7/13/2025 11:22 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-201A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.555.
Std. Dev. = 3.704.
<3.02: c = 0.8972
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 1
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

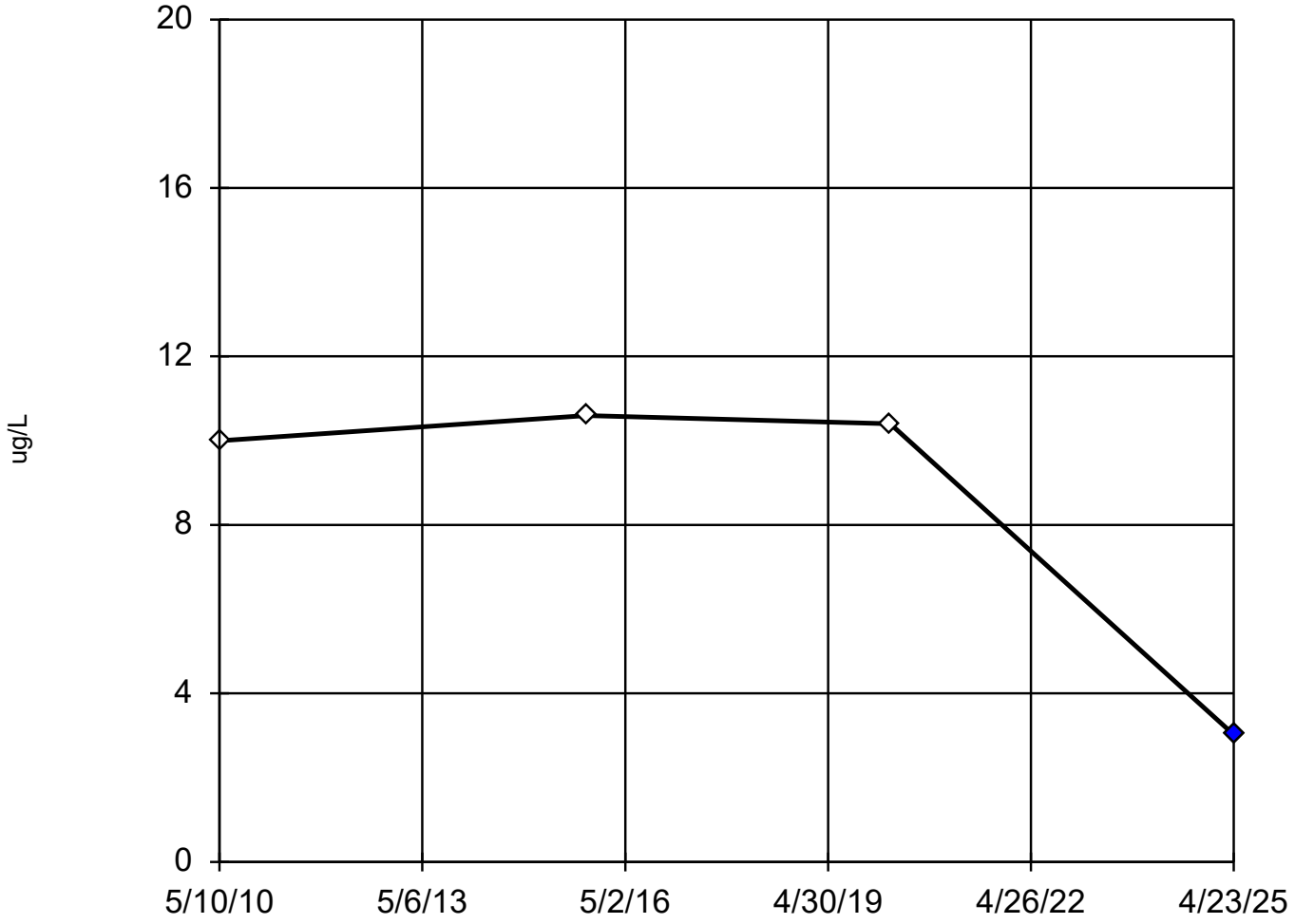
Constituent: O-Toluidine Analysis Run 7/13/2025 11:22 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-202A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.505.
Std. Dev. = 3.665.
<3.02: c = 0.9208
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

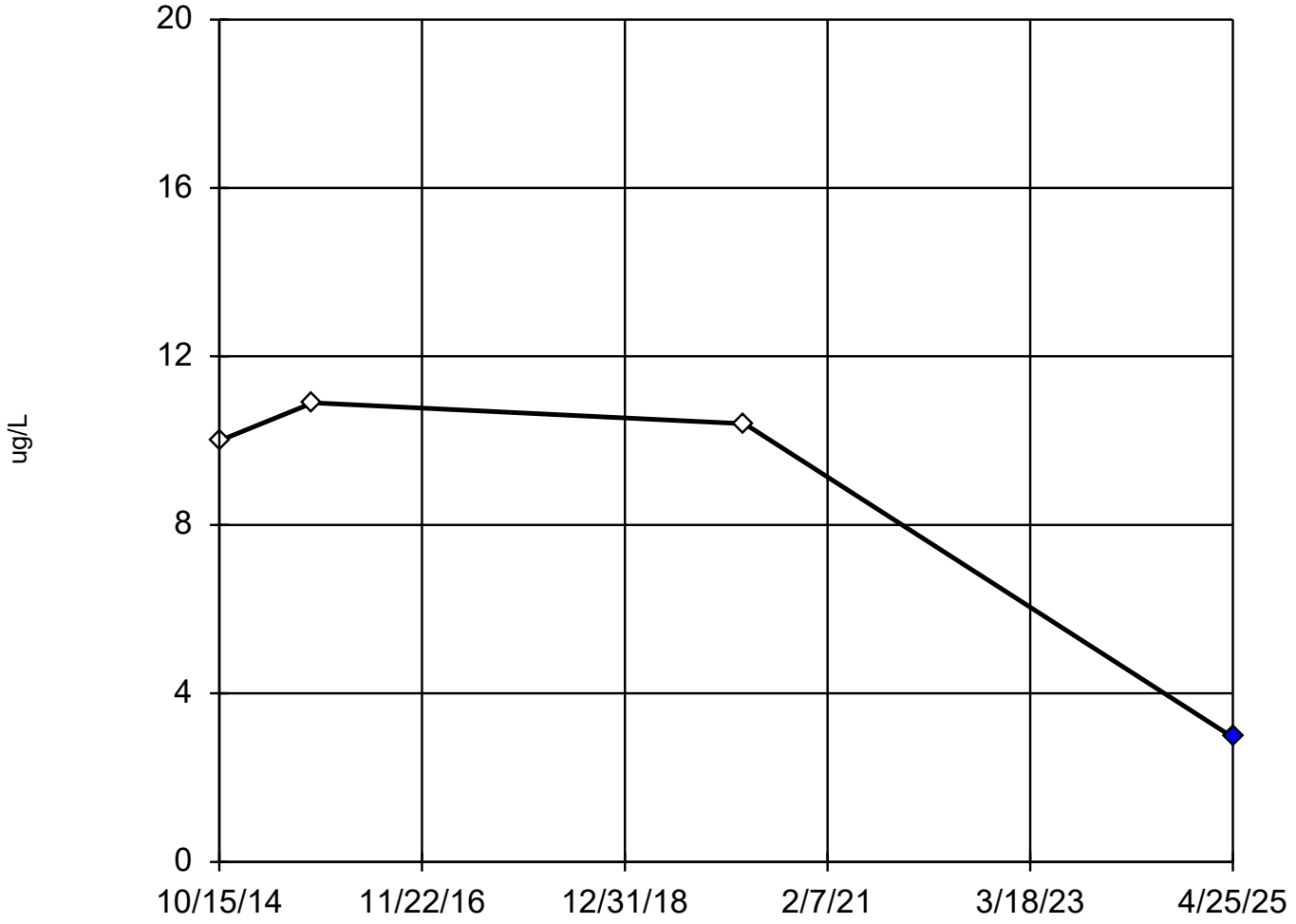
Constituent: O-Toluidine Analysis Run 7/13/2025 11:22 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-208B



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.565.
Std. Dev. = 3.755.
<2.96: c = 0.8866
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9959
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

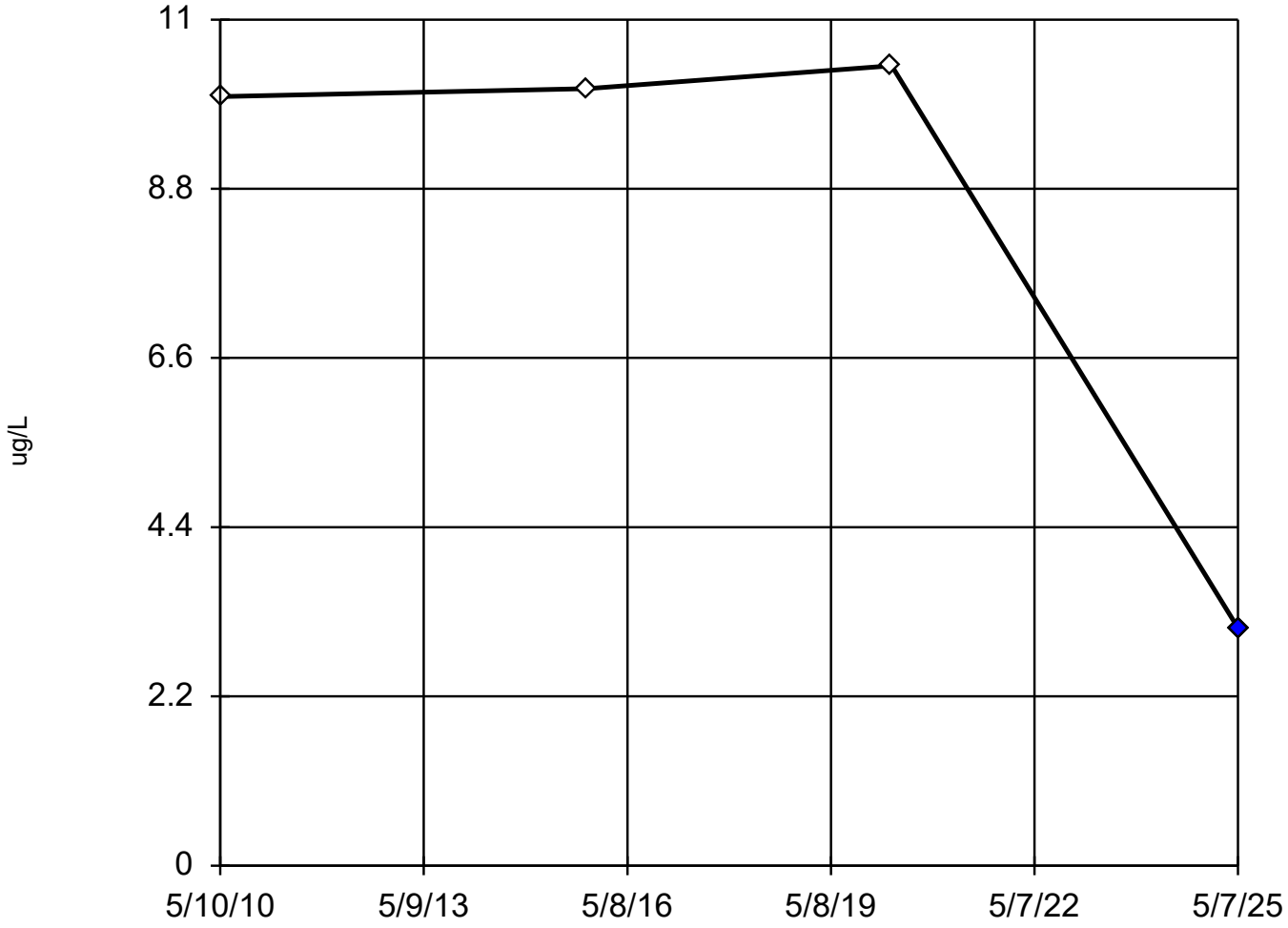
Constituent: O-Toluidine Analysis Run 7/13/2025 11:22 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-215A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.397.
Std. Dev. = 3.542.
<3.09: c = 0.9453
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9231
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

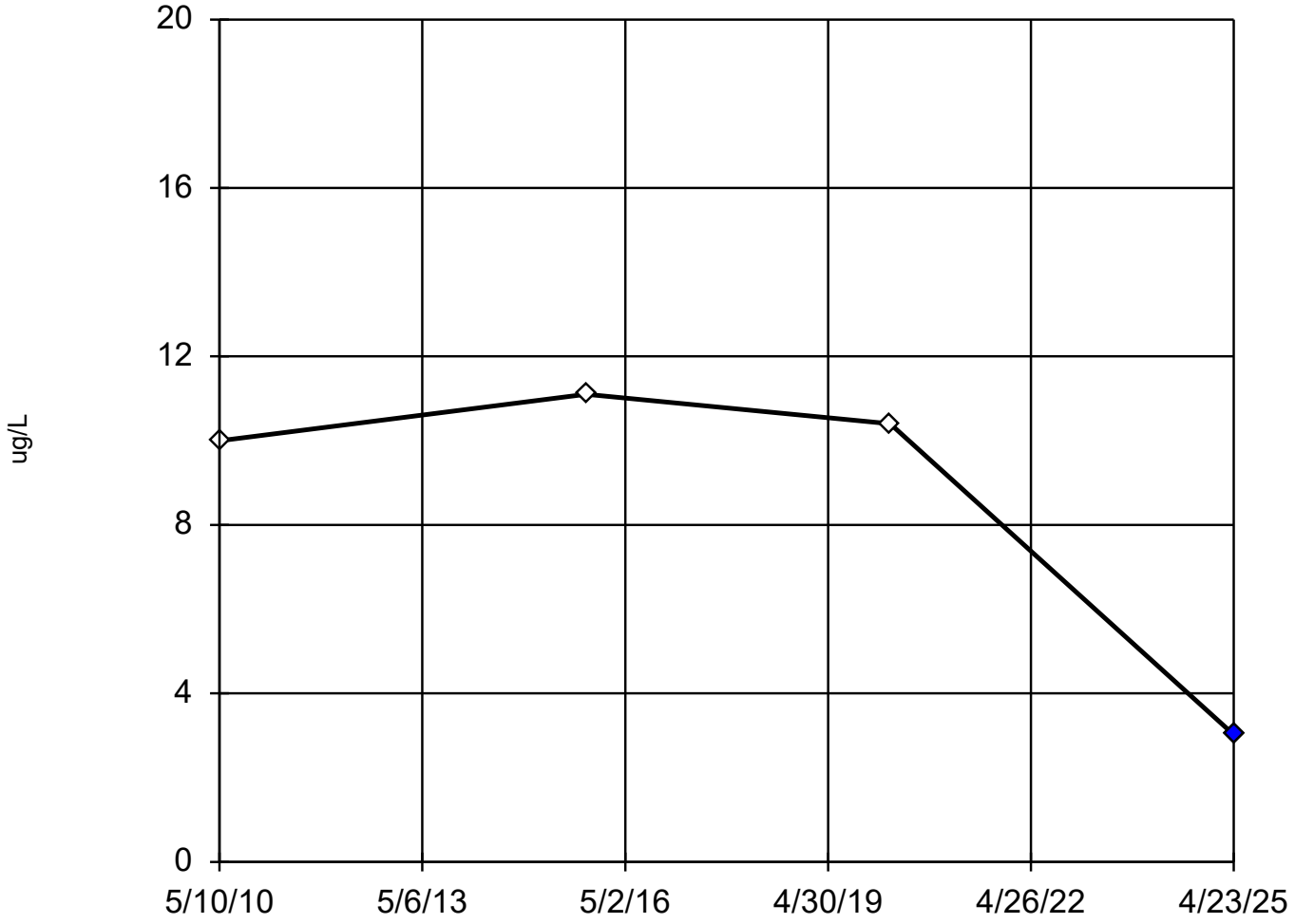
Constituent: O-Toluidine Analysis Run 7/13/2025 11:22 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-214A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.63.
Std. Dev. = 3.768.
<3.02: c = 0.8639
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9758
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

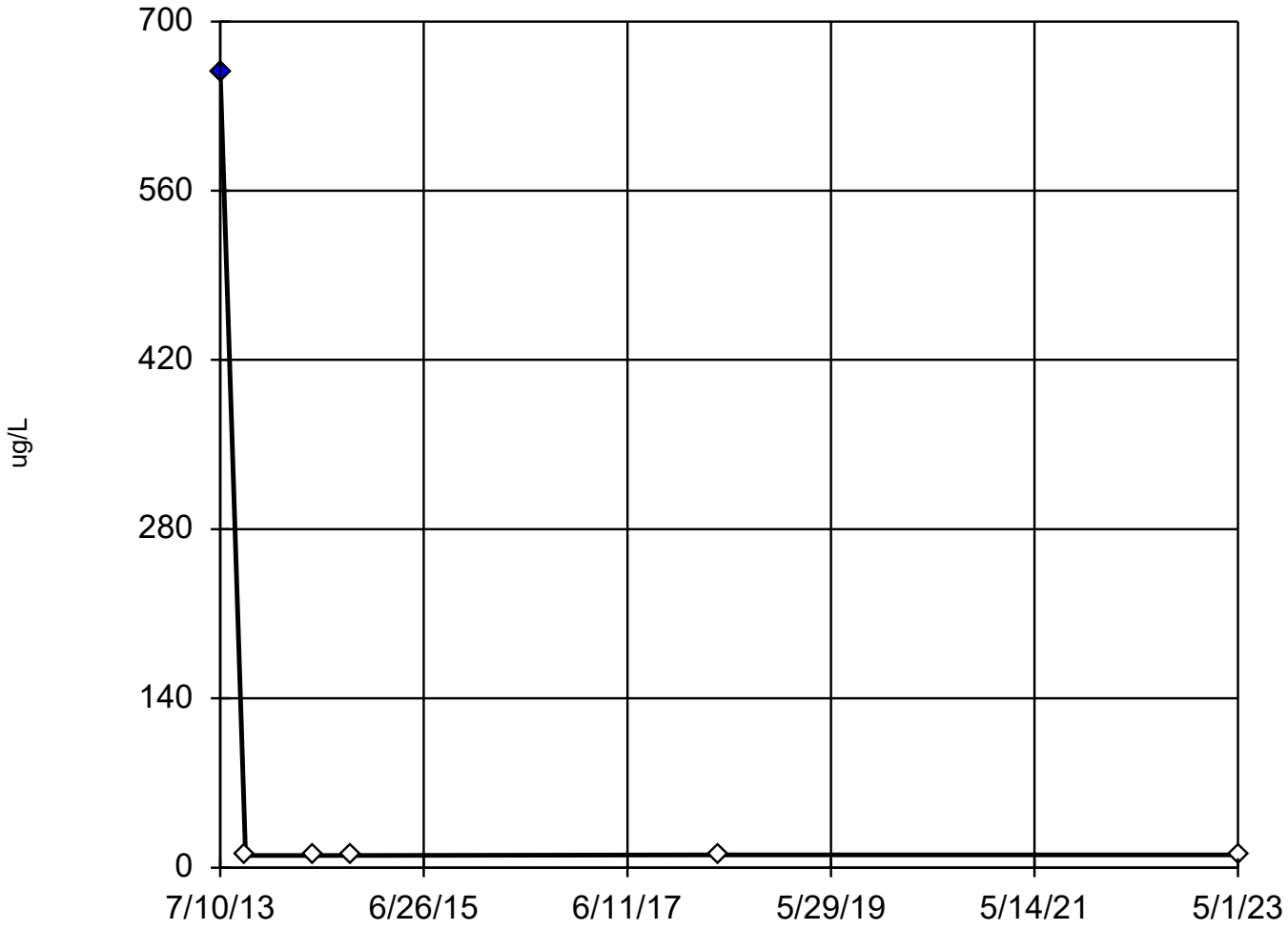
Constituent: O-Toluidine Analysis Run 7/13/2025 11:22 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-219A



n = 6

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 118.2.
Std. Dev. = 264.4.
658 (o): c = 0.9991
tabl = 0.56.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8401
Critical = 0.806
The distribution, after removal of suspect value, was found to be normally distributed.

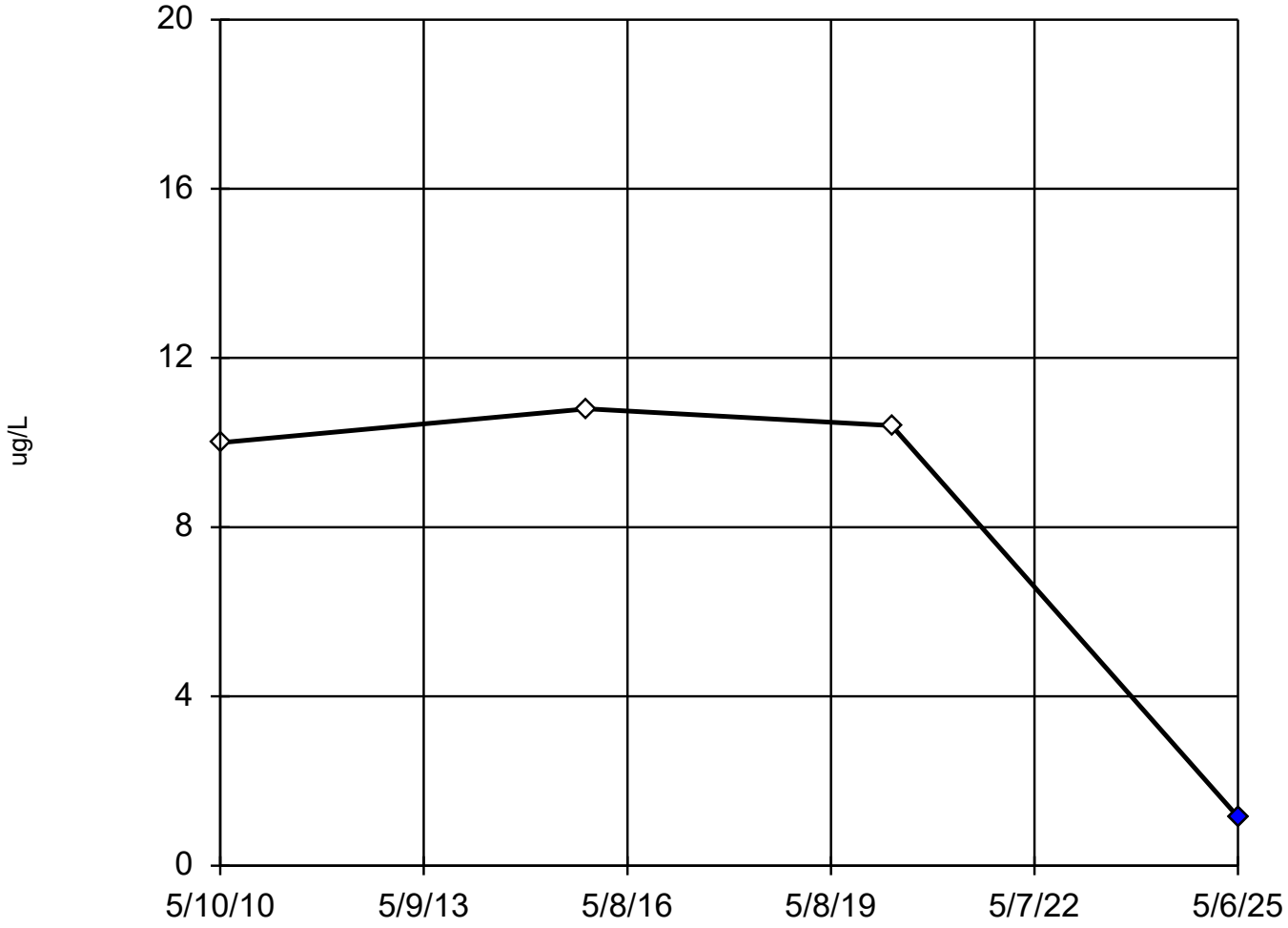
Constituent: O-Toluidine Analysis Run 7/13/2025 11:22 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-201A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.087.
Std. Dev. = 4.637.
<1.15: c = 0.9171
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 1
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Phenol Analysis Run 7/13/2025 11:23 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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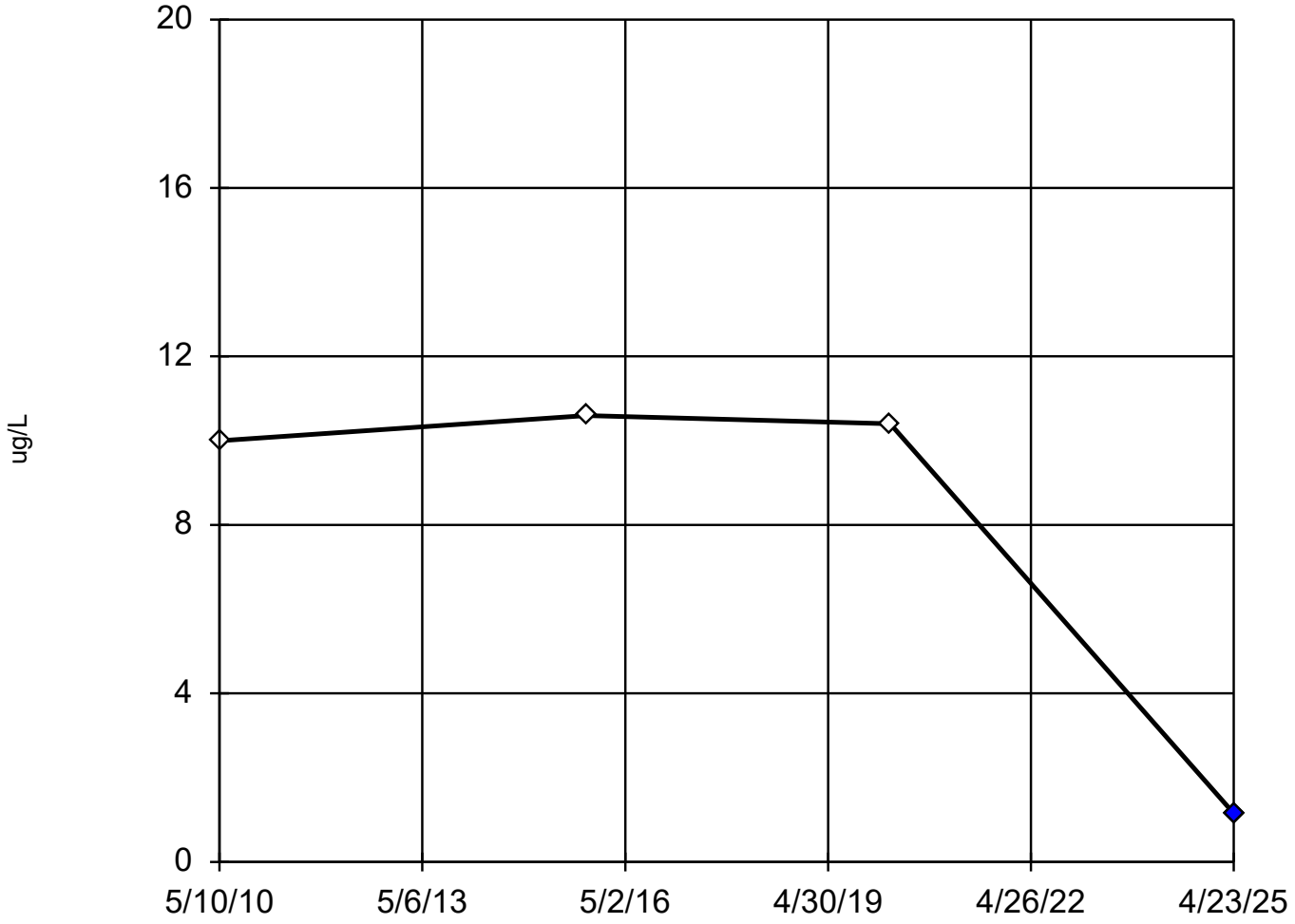
Dixon's Outlier Test

MW-202A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.037.
Std. Dev. = 4.598.
<1.15: c = 0.9365
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Phenol Analysis Run 7/13/2025 11:23 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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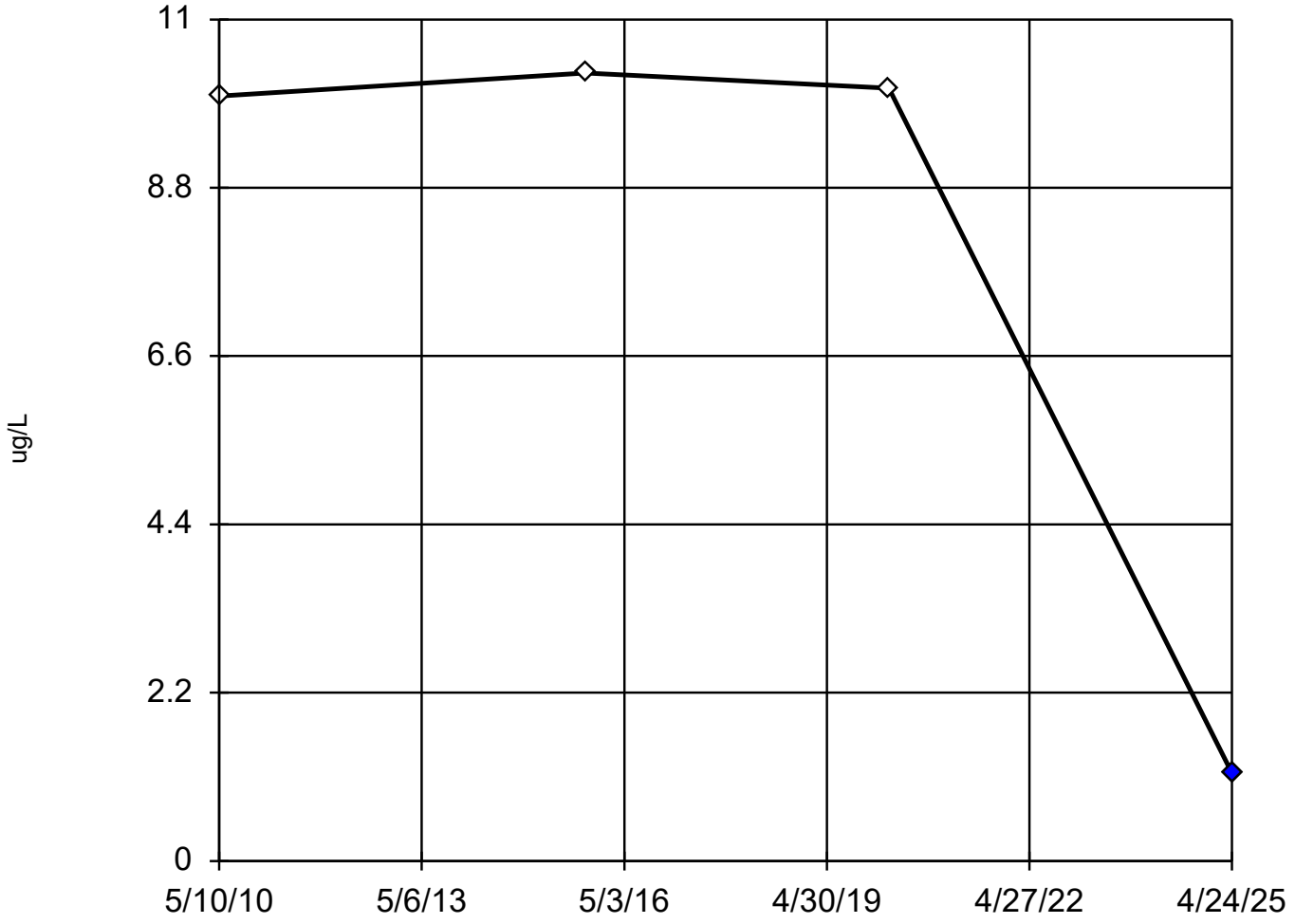
Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.888.
Std. Dev. = 4.493.
<1.15: c = 0.9672
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Phenol Analysis Run 7/13/2025 11:23 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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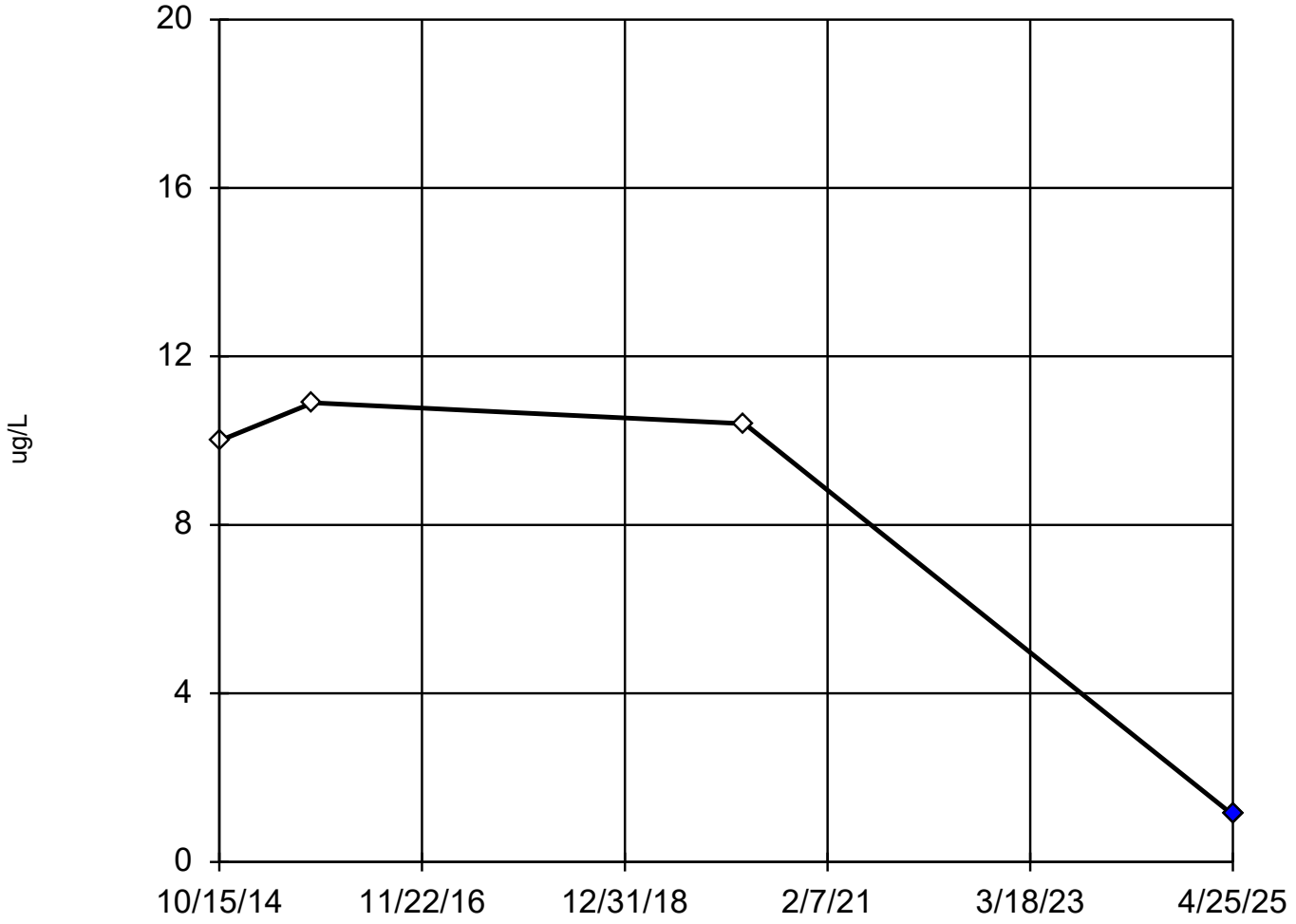
Dixon's Outlier Test

MW-208B



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.105.
Std. Dev. = 4.671.
<1.12: c = 0.908
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9959
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Phenol Analysis Run 7/13/2025 11:23 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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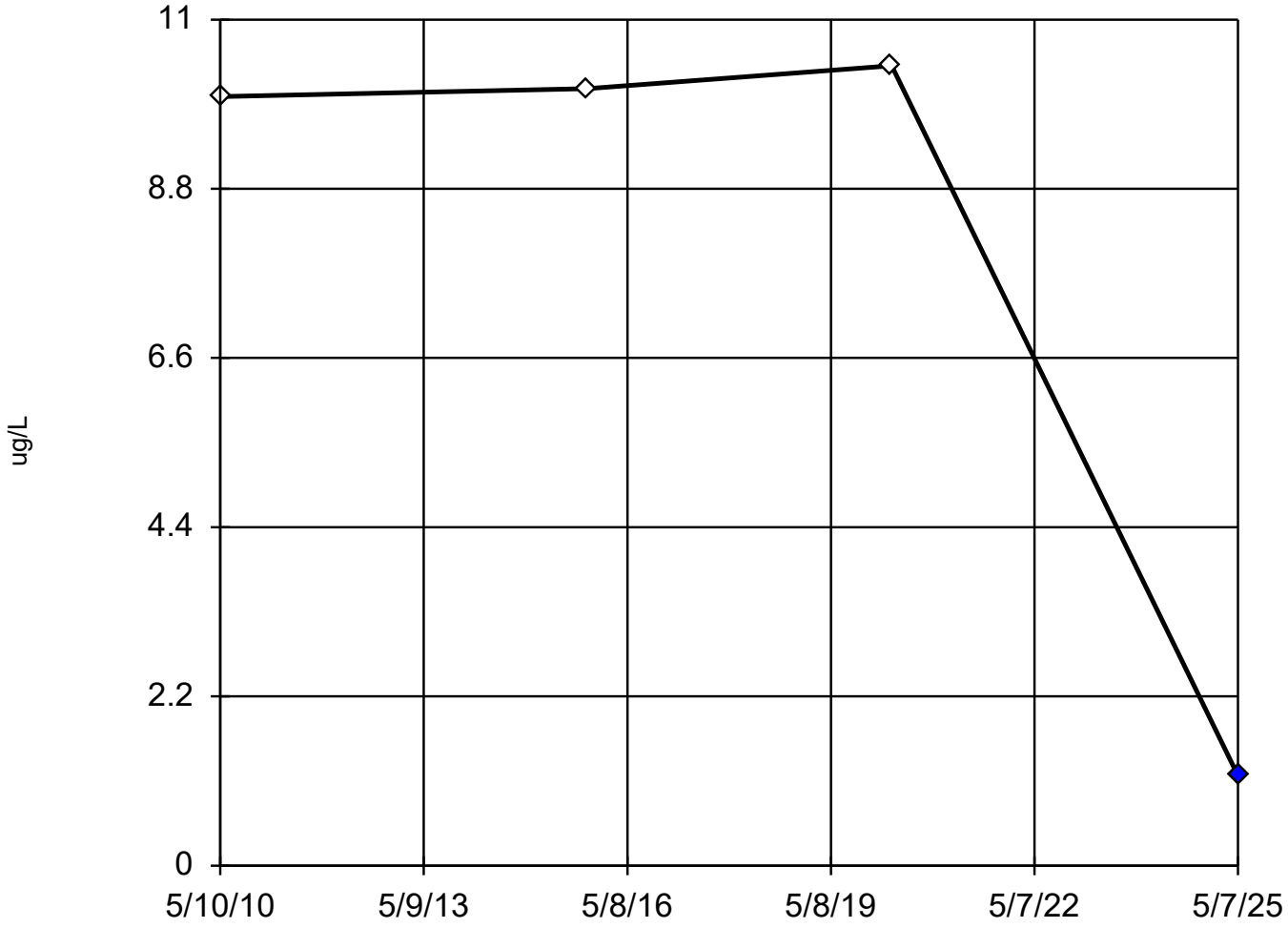
Dixon's Outlier Test

MW-215A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 7.917.
Std. Dev. = 4.502.
<1.17: c = 0.9567
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9231
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

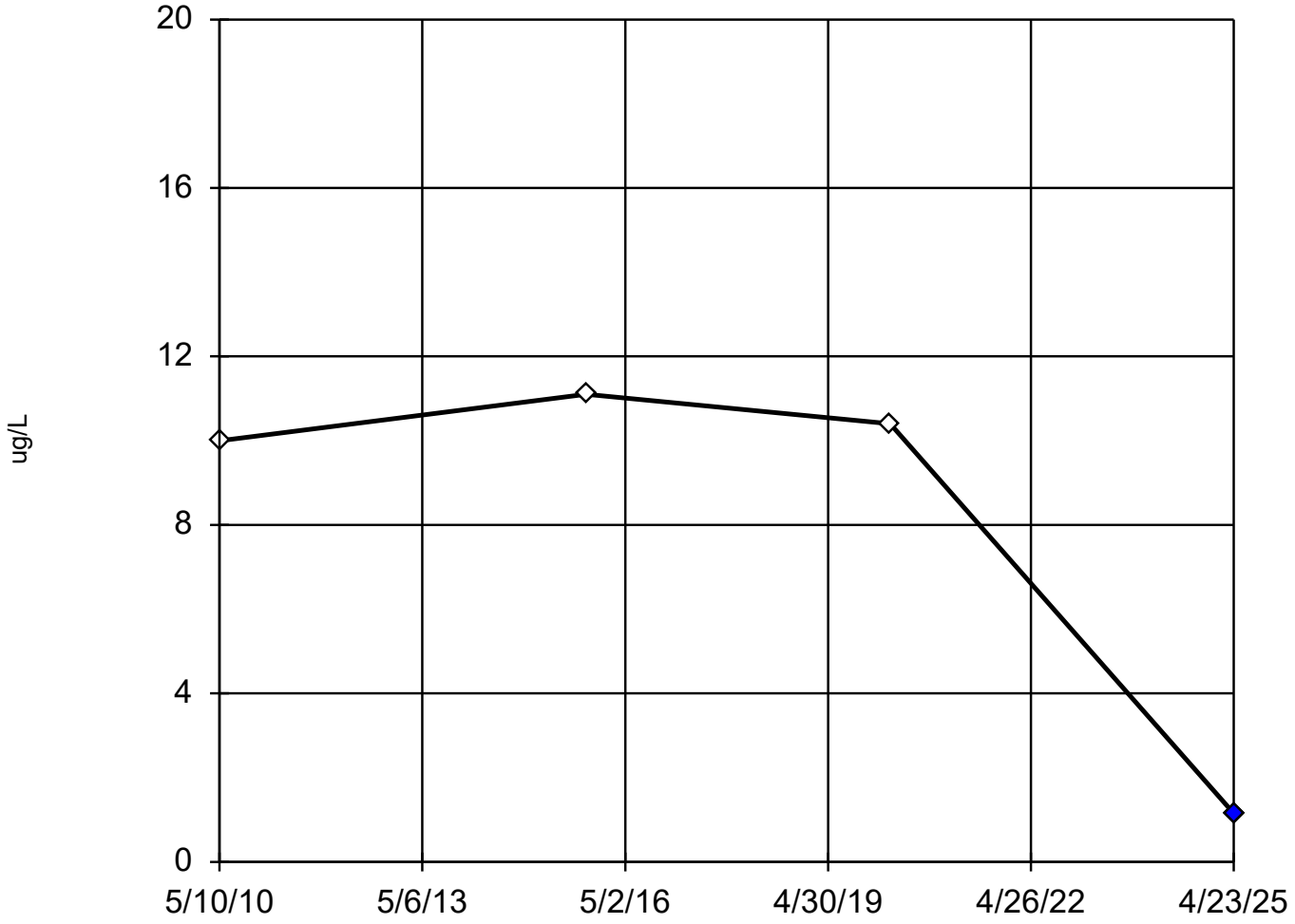
Constituent: Phenol Analysis Run 7/13/2025 11:23 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-214A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 8.162.
Std. Dev. = 4.697.
<1.15: c = 0.8894
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9758
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

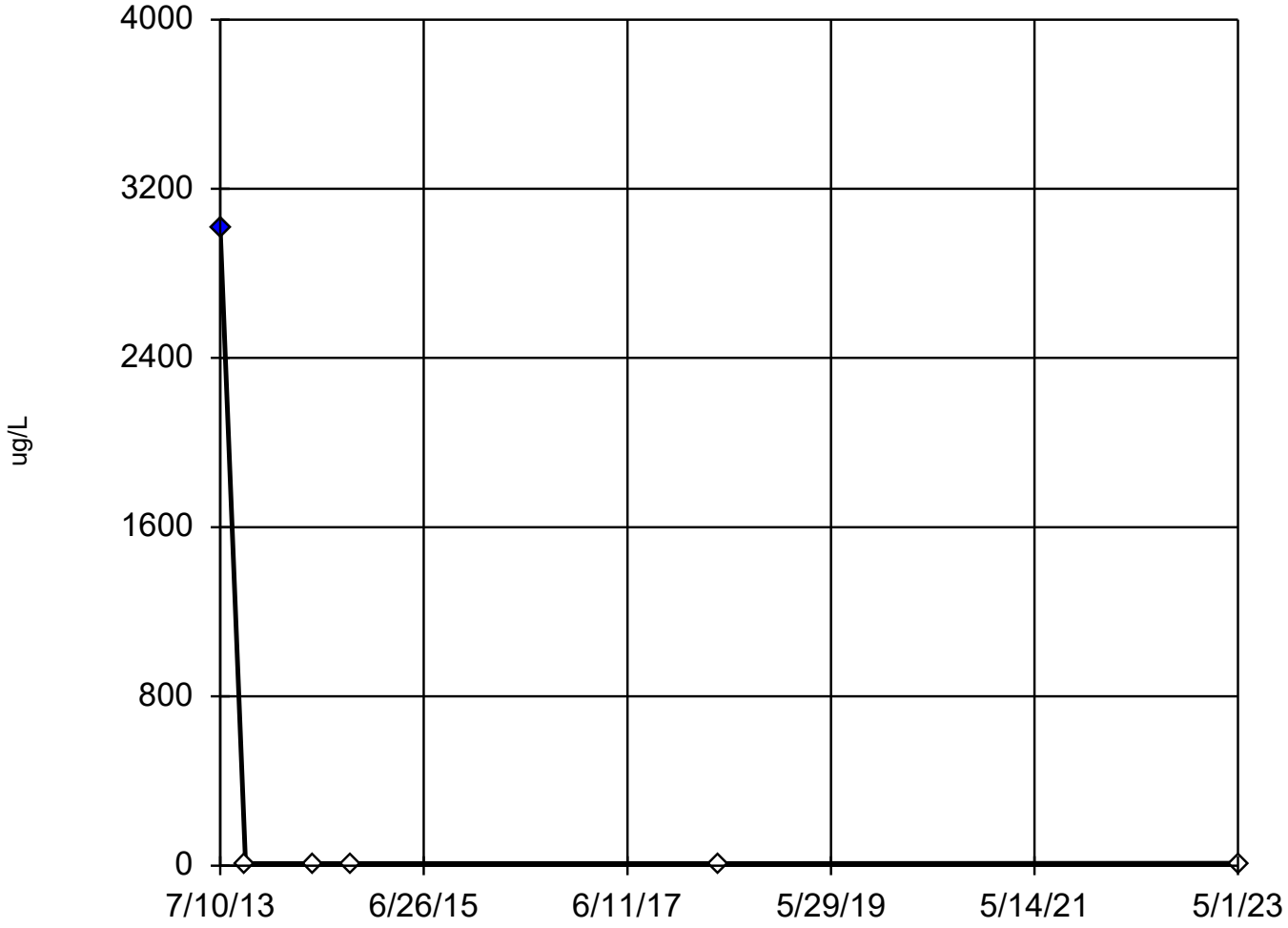
Constituent: Phenol Analysis Run 7/13/2025 11:23 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-219A



n = 6

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 510.2.
Std. Dev. = 1225.
3010 (o): c = 0.9998
tabl = 0.56.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8401
Critical = 0.806
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Phenol Analysis Run 7/13/2025 11:23 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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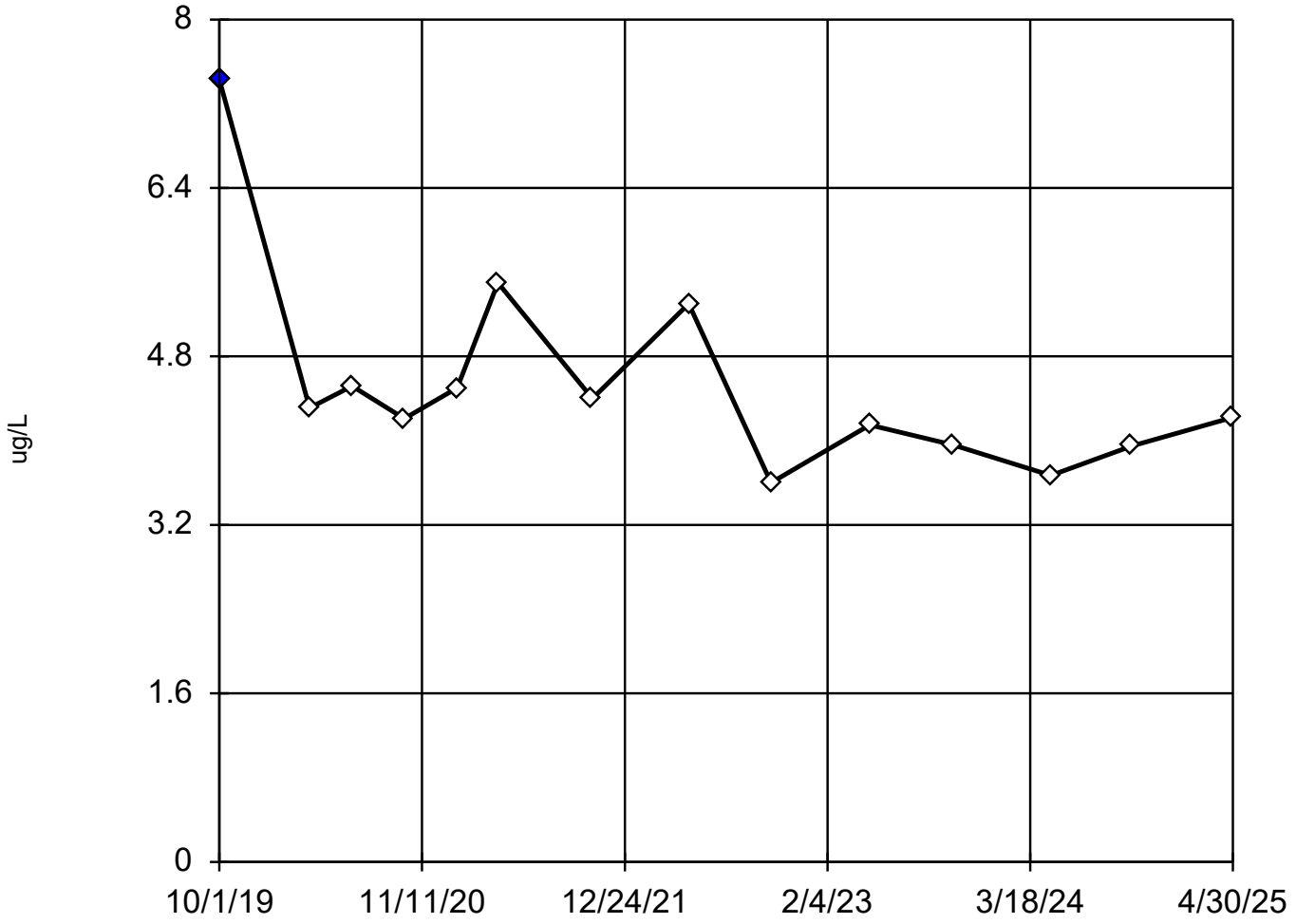
Dixon's Outlier Test

MW-18AR



n = 14

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 4.551.
Std. Dev. = 0.985.
7.43 (o): c = 0.6121
tabl = 0.546.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9006
Critical = 0.889
The distribution, after removal of suspect value, was found to be normally distributed.

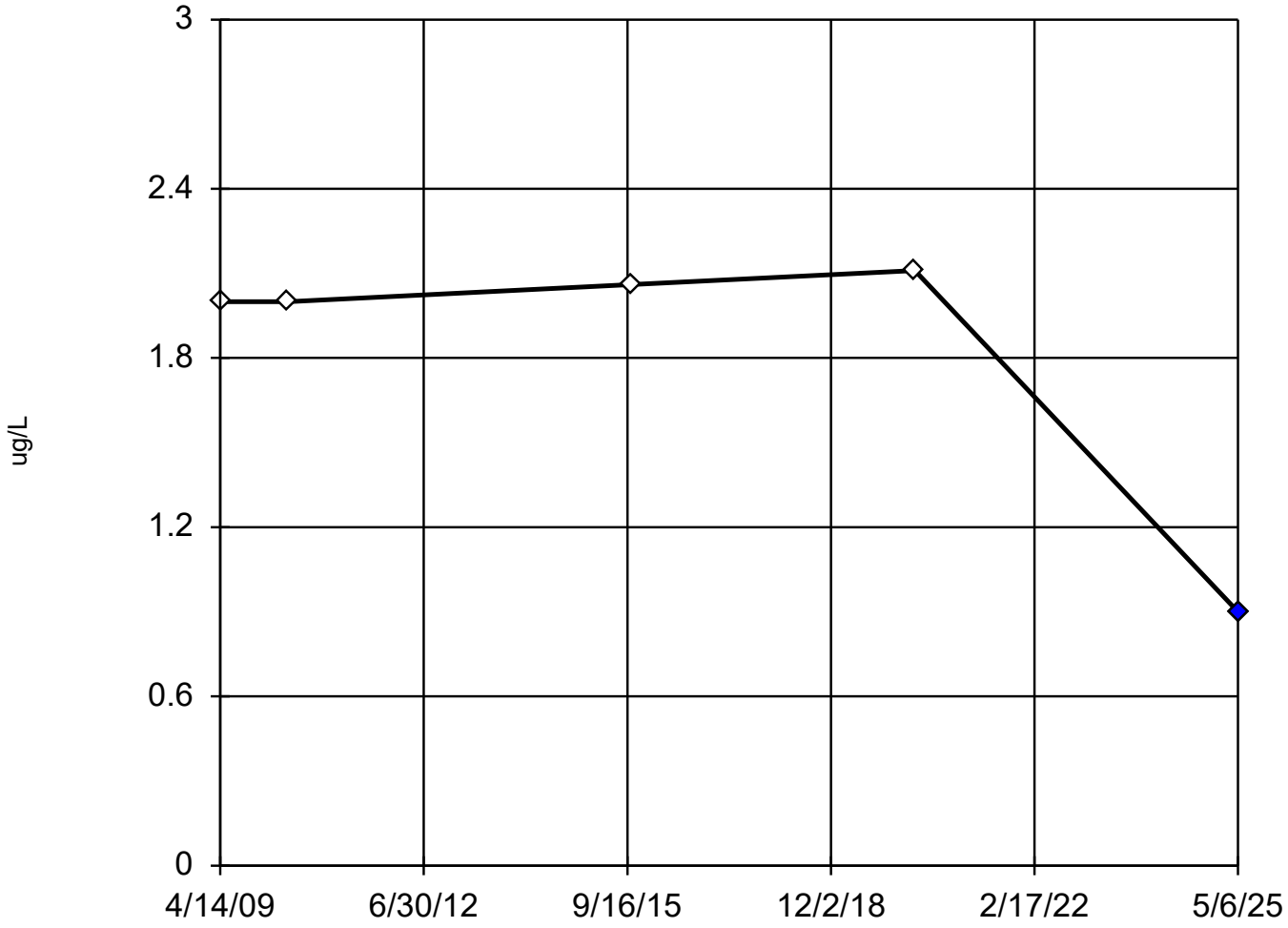
Constituent: Tetrachloroethene Analysis Run 7/13/2025 11:24 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-5B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 1.814.
Std. Dev. = 0.513.
<0.9: c = 0.9091
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8657
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

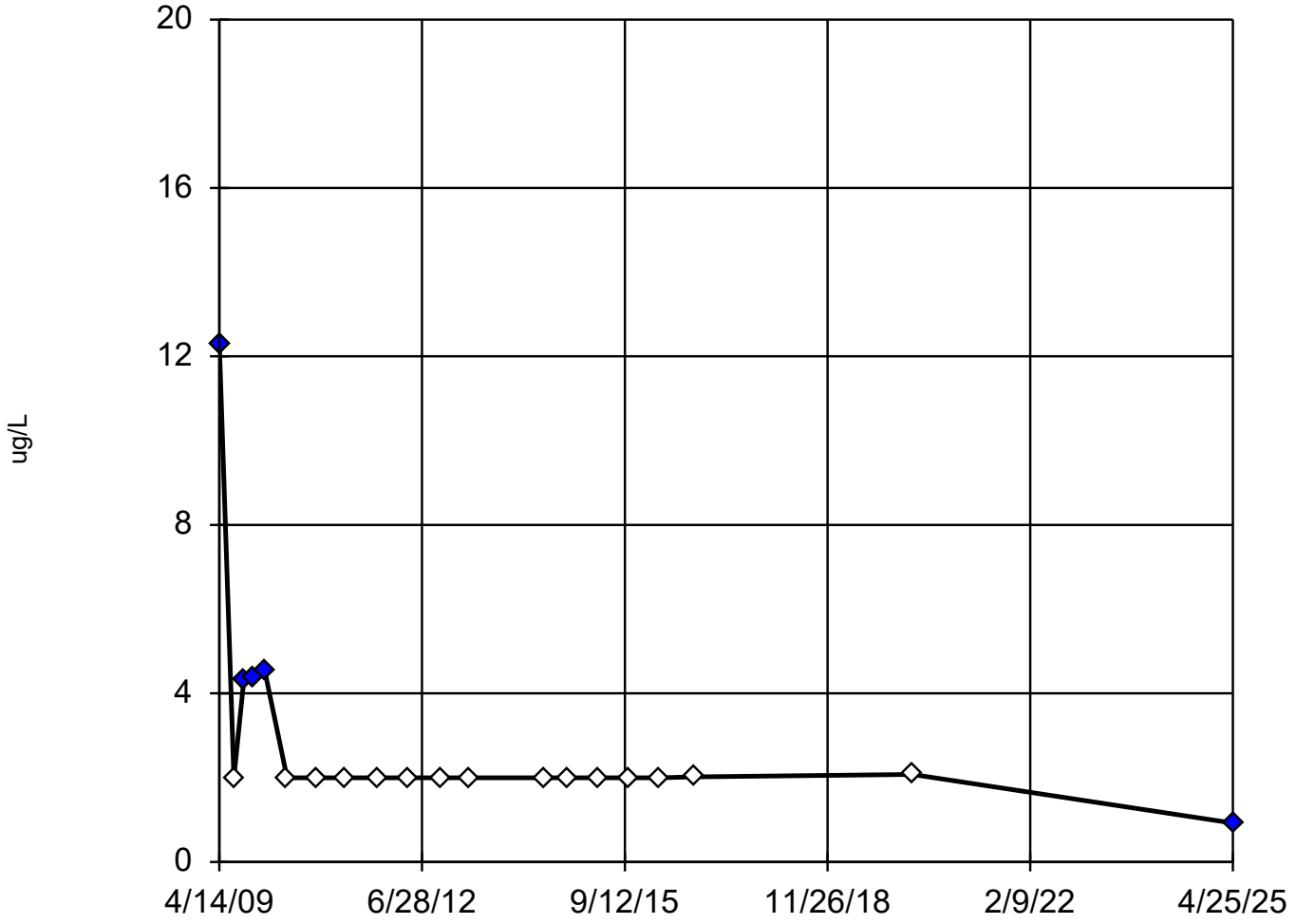
Constituent: Toxaphene Analysis Run 7/13/2025 11:25 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Tukey's Outlier Screening

MW-8B



n = 20

Outliers are drawn as solid.
Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 2.207, low cutoff = 1.858, based on IQR multiplier of 3.

Constituent: Toxaphene Analysis Run 7/13/2025 11:25 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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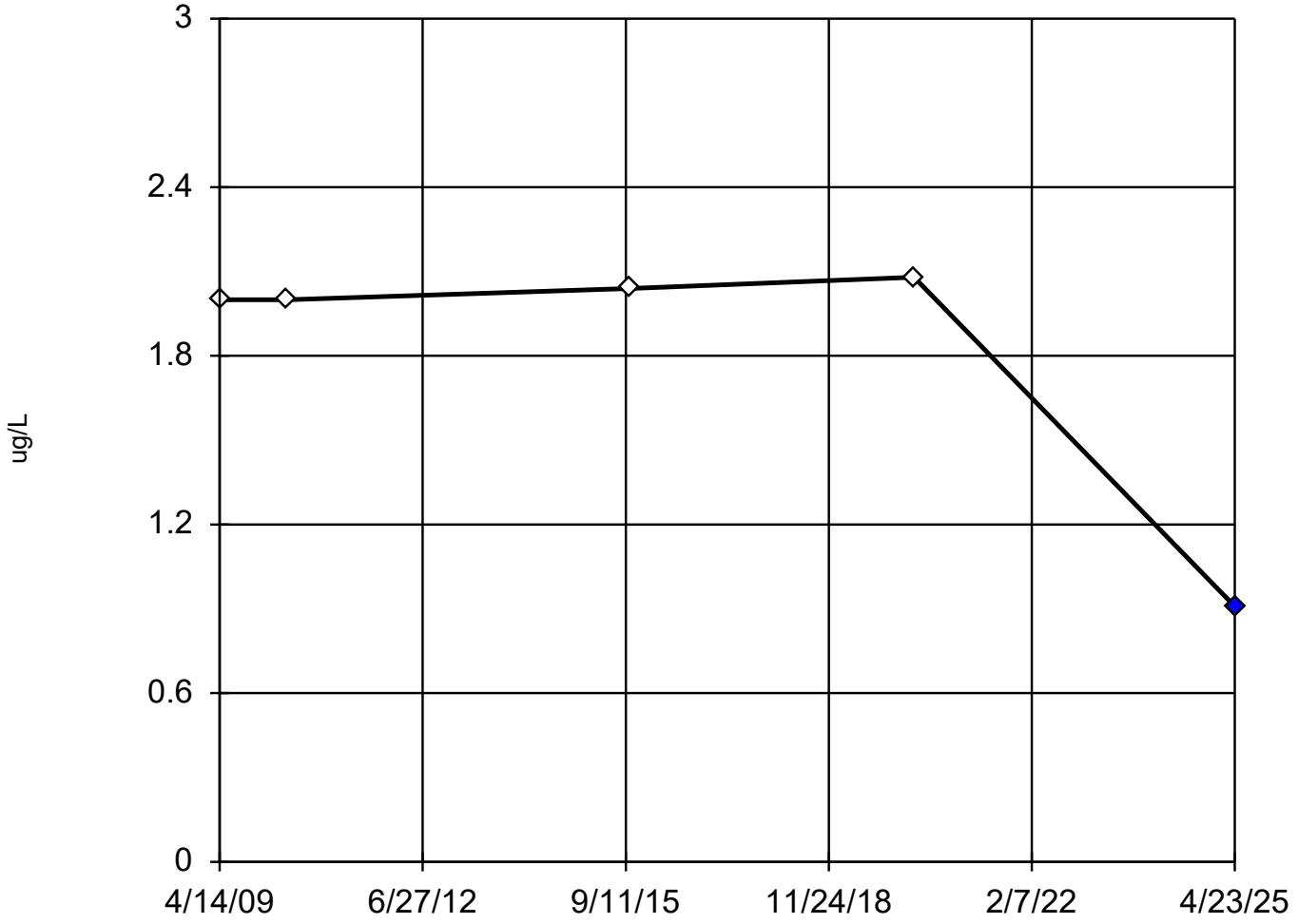
Dixon's Outlier Test

MW-17A-00



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 1.806.
Std. Dev. = 0.5024.
<0.909: c = 0.9317
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8648
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Toxaphene Analysis Run 7/13/2025 11:25 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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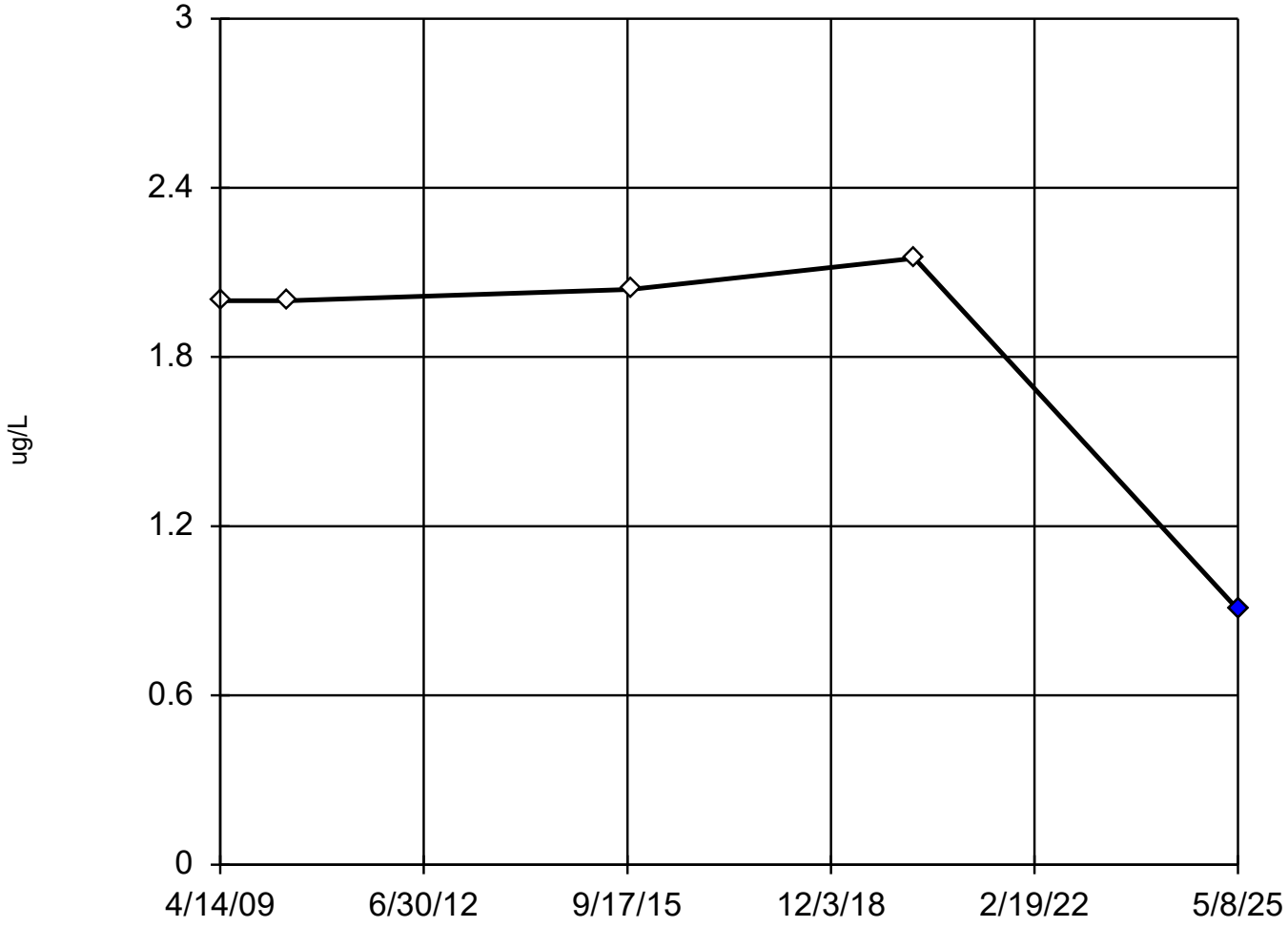
Dixon's Outlier Test

MW-25A-00



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 1.819.
Std. Dev. = 0.5151.
<0.904: c = 0.8796
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.7996
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

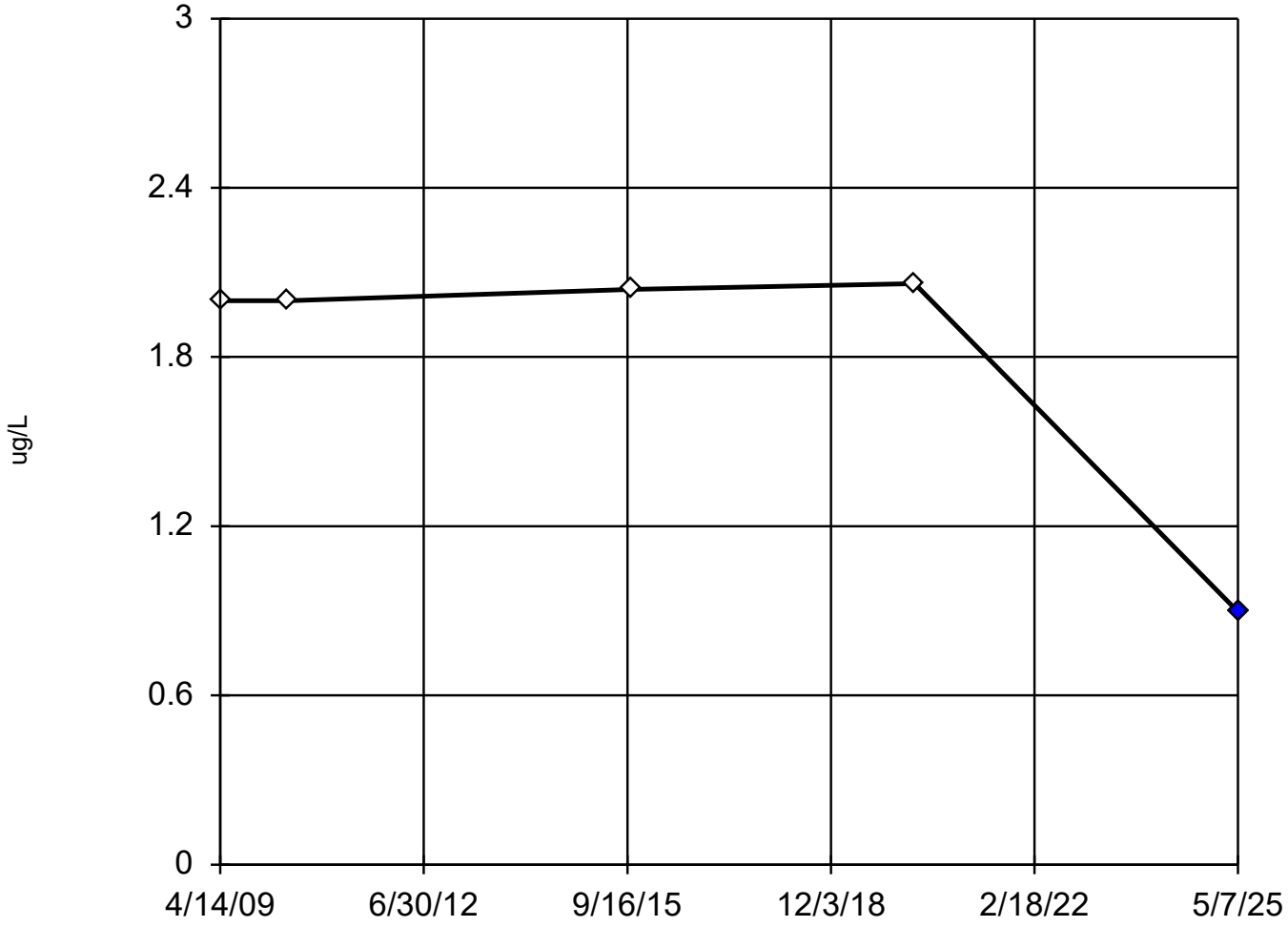
Constituent: Toxaphene Analysis Run 7/13/2025 11:25 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-31B



n = 5

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 1.799.
Std. Dev. = 0.5051.
<0.897: c = 0.9484
tabl = 0.642.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8512
Critical = 0.792
The distribution, after removal of suspect value, was found to be normally distributed.

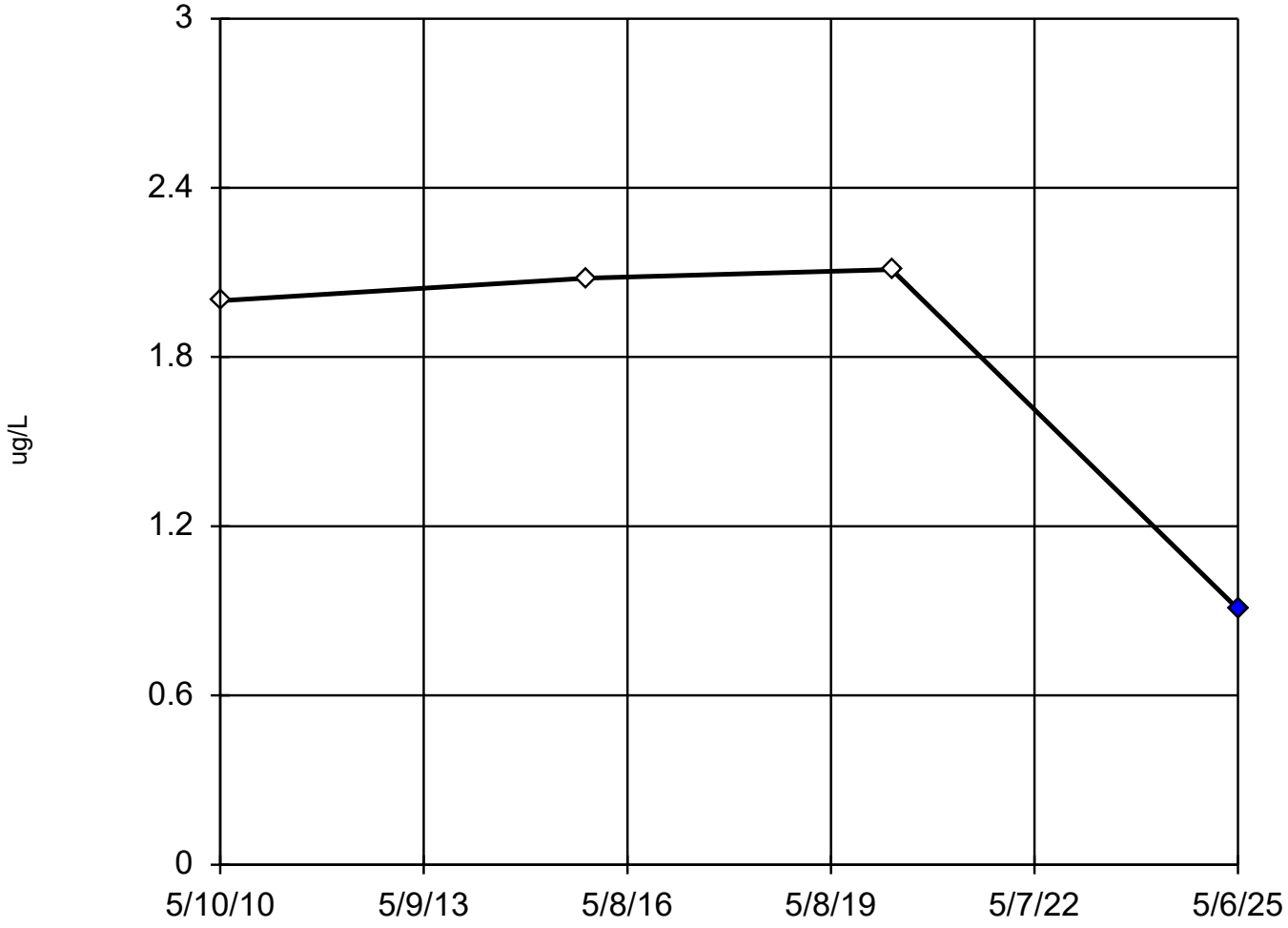
Constituent: Toxaphene Analysis Run 7/13/2025 11:25 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-201A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 1.774.
Std. Dev. = 0.58.
<0.907: c = 0.9086
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9355
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

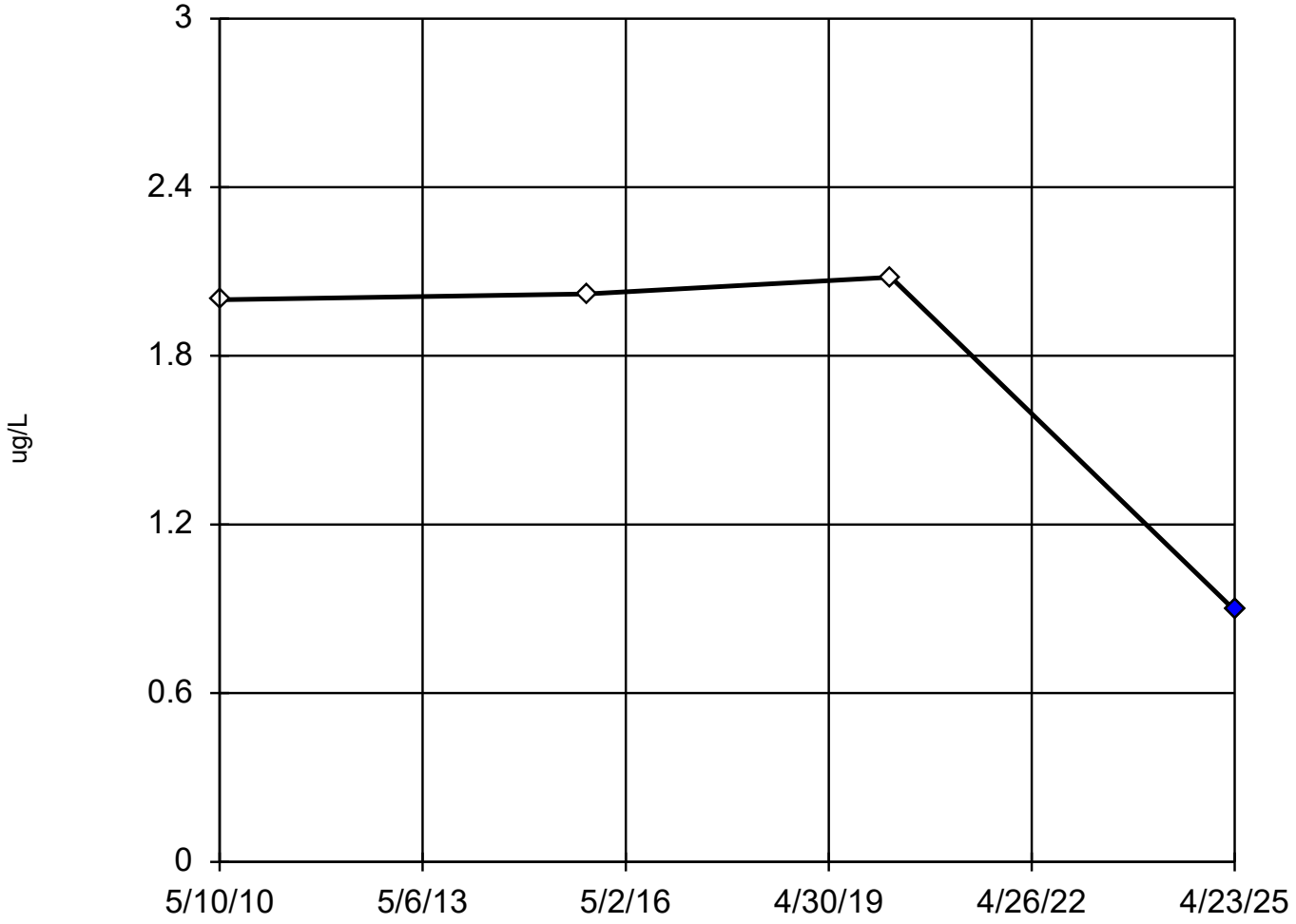
Constituent: Toxaphene Analysis Run 7/13/2025 11:25 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-202A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 1.749.
Std. Dev. = 0.5702.
<0.895: c = 0.9325
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9231
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

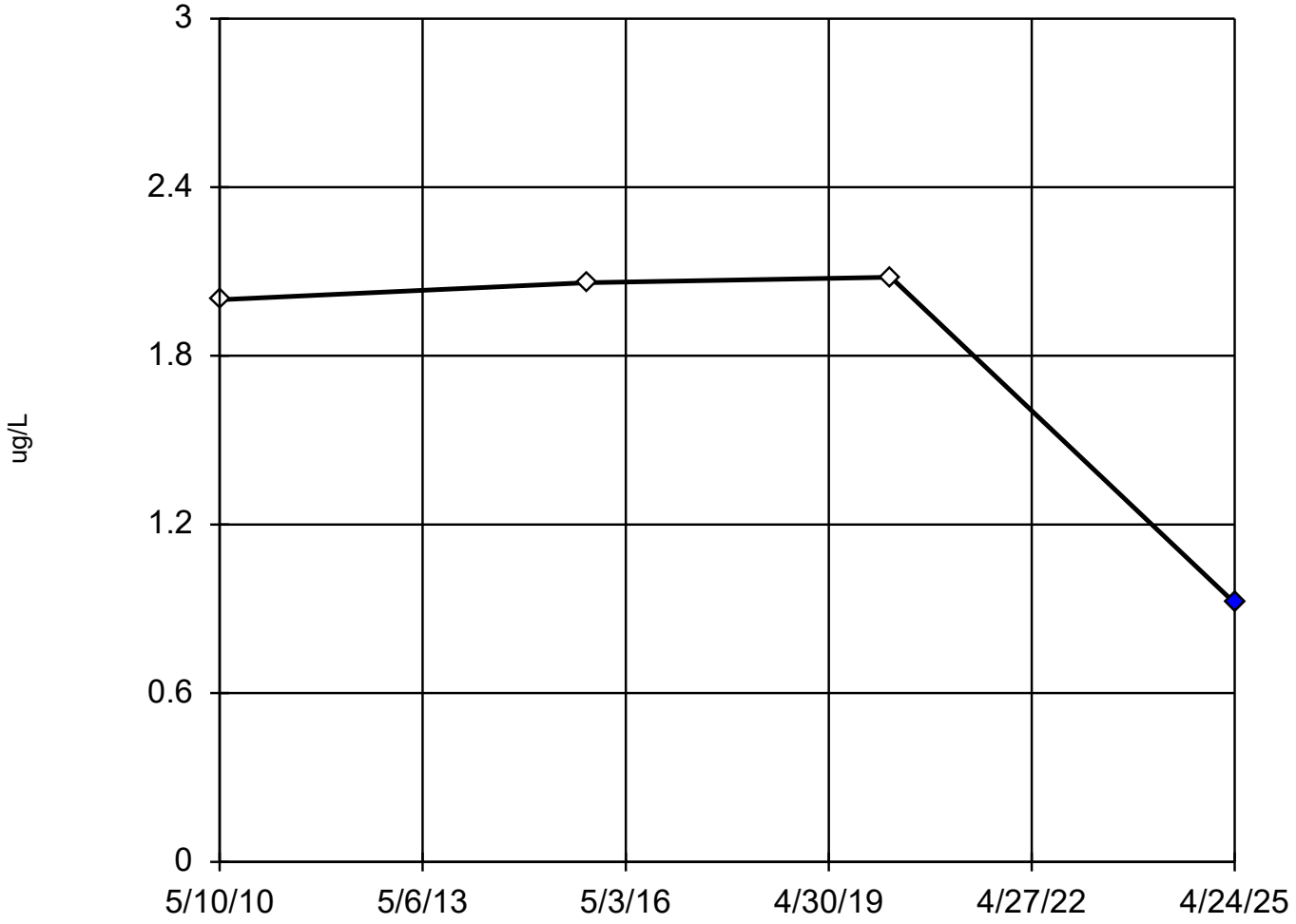
Constituent: Toxaphene Analysis Run 7/13/2025 11:25 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Dixon's Outlier Test

MW-204A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 1.765.
Std. Dev. = 0.5639.
<0.921: c = 0.931
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9231
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Toxaphene Analysis Run 7/13/2025 11:25 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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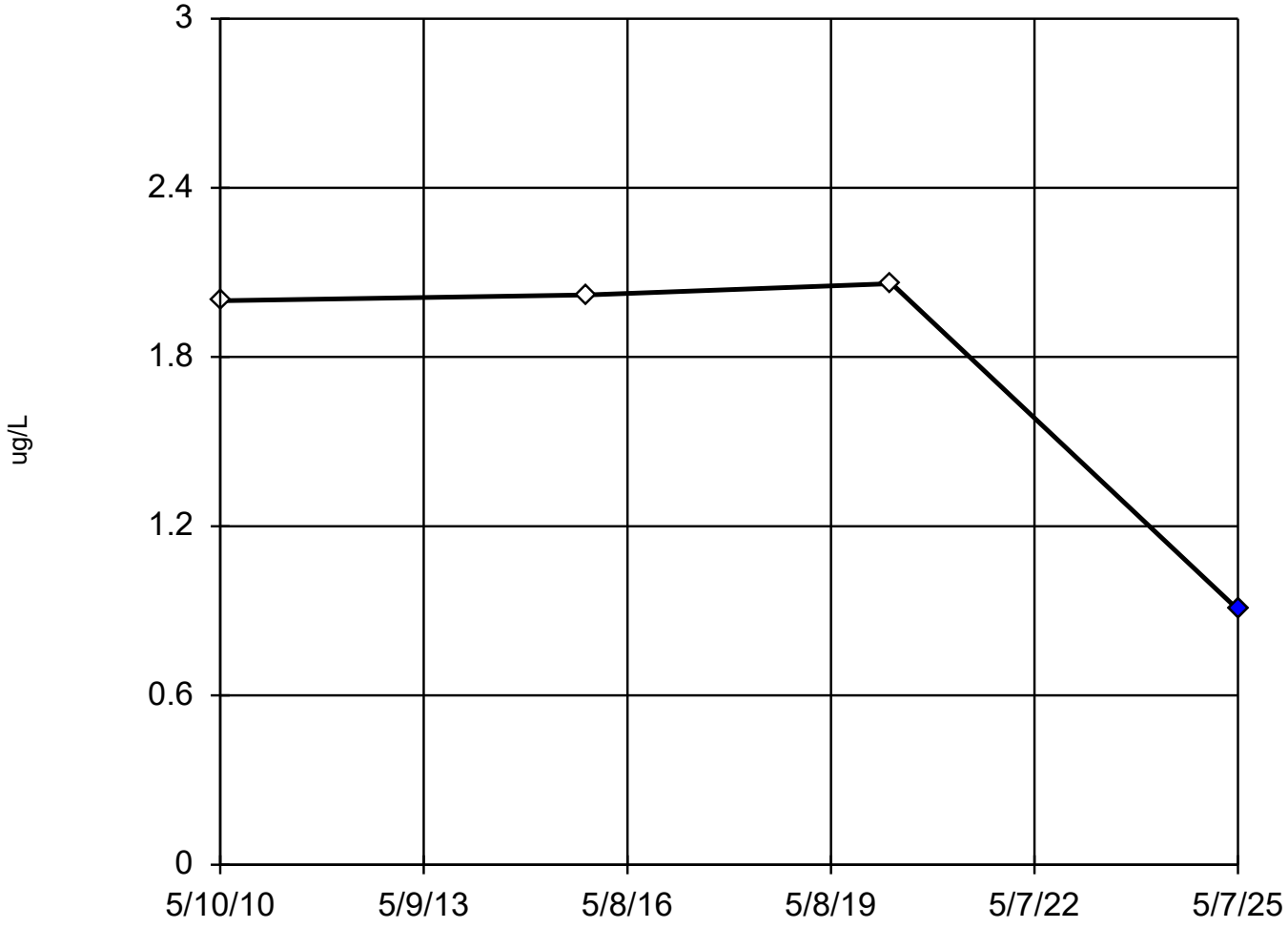
Dixon's Outlier Test

MW-215A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 1.746.
Std. Dev. = 0.5619.
<0.904: c = 0.9481
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9643
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Toxaphene Analysis Run 7/13/2025 11:25 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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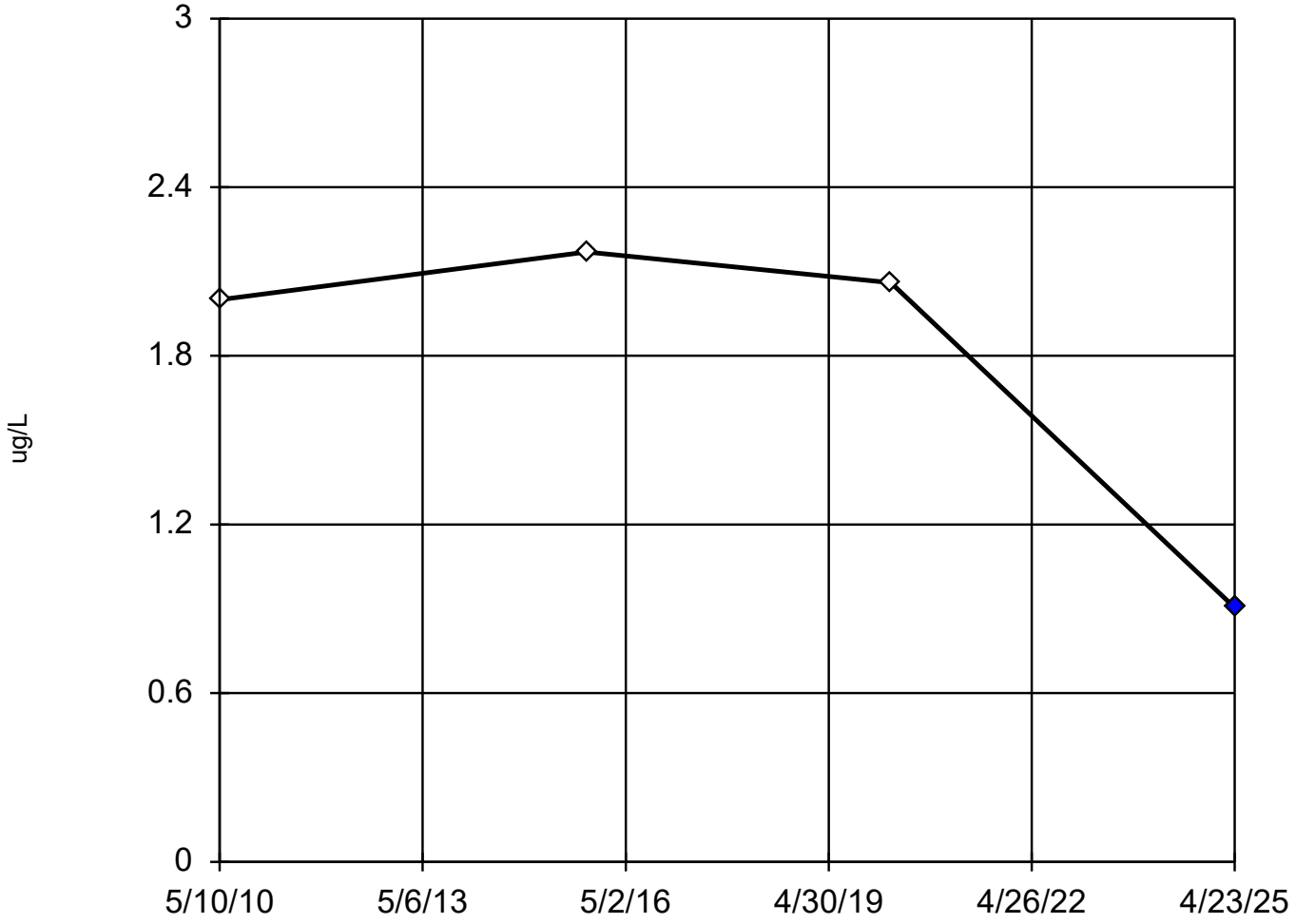
Dixon's Outlier Test

MW-214A



n = 4

Statistical outlier is drawn as solid.
Testing for 1 low outlier.
Mean = 1.784.
Std. Dev. = 0.5905.
<0.904: c = 0.8657
tabl = 0.765.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.972
Critical = 0.789
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Toxaphene Analysis Run 7/13/2025 11:25 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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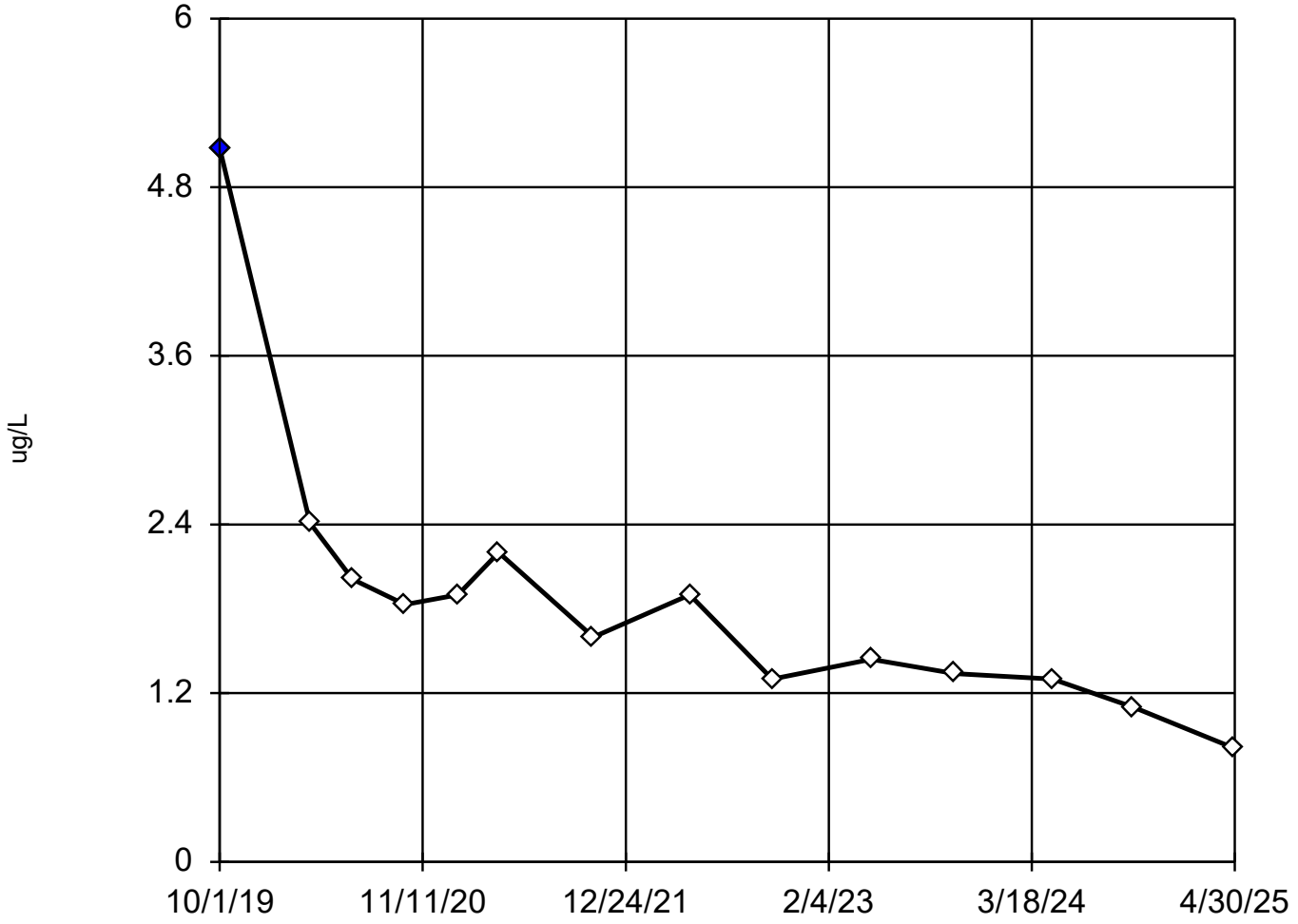
Dixon's Outlier Test

MW-18AR



n = 14

Statistical outlier is drawn as solid.
1 value manually flagged as an outlier.
Testing for 1 high outlier.
Mean = 1.873.
Std. Dev. = 1.024.
5.08 (o): c = 0.7619
tabl = 0.546.
Alpha = 0.05.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9763
Critical = 0.889
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Trichloroethene Analysis Run 7/13/2025 11:27 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
1,1,1-Trichloroethane (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	36	1.311	1.578	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.955	0.1882	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	1.073	0.5722	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	1.073	0.5722	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	1.076	0.5822	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.8754	0.3042	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	1.103	0.5571	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	1.073	0.5722	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	1.071	0.5628	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	1.071	0.5628	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.076	0.5822	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	1.061	0.5216	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	1.037	0.5339	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	1.034	0.513	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	1.315	1.659	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.179	0.7957	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.386	1.756	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	1.185	0.8095	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	1.081	0.6038	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	1.185	0.8095	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	1.414	1.819	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	1.4	1.787	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	1.041	0.5575	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	1.111	0.5774	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	1.042	0.5661	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	28	1.107	0.5669	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.8987	0.2767	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.892	0.285	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9676	0.162	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9676	0.162	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.946	0.2055	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.946	0.2055	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.946	0.2055	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.946	0.2055	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.946	0.2055	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	0.8843	0.2941	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.7975	0.375	unknown	ShapiroWilk
1,1,1-Trichloroethane (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.7975	0.375	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	39	0.98	0.1249	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9354	0.2173	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.974	0.1424	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	30	1.488	0.4584	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-8B	No	n/a	n/a	EPA 1989	0.05	33	3.479	2.936	ln(x)	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.88	0.2929	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	33	1.412	0.9122	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	30	0.9267	0.2433	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9748	0.1401	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9748	0.1401	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9731	0.1448	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9783	0.13	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
1,1-Dichloroethane (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.9578	0.1788	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	0.961	0.1722	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	**MW-201A**	**Yes**	**6.37,3.35,1....**	**7/7/2009,9/2/2009,1/2/...**	**NP (nrm)**	**NaN**	**33**	**1.315**	**1.112**	**unknown**	**ShapiroWilk**
1,1-Dichloroethane (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9731	0.1448	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.948	0.1944	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9721	0.1474	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9711	0.1501	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9721	0.1474	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9711	0.1501	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9721	0.1474	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	0.9541	0.1863	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-205A	No	n/a	n/a	NP (nrm)	NaN	27	1	0	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9527	0.189	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	28	1	0	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.9025	0.2664	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.896	0.2745	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9688	0.156	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9387	0.2123	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.948	0.1979	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.948	0.1979	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.948	0.1979	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.948	0.1979	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.948	0.1979	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-18AR	No	n/a	n/a	EPA 1989	0.05	14	0.7241	0.3097	normal	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.805	0.3611	unknown	ShapiroWilk
1,1-Dichloroethane (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.805	0.3611	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9831	0.1017	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9827	0.2327	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	1.013	0.2171	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	1.013	0.2171	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9577	0.3064	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.9062	0.2291	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	1.034	0.1857	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9797	0.1114	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9864	0.2599	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9803	0.1096	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.013	0.2209	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	1.011	0.1977	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.967	0.1398	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	0.9945	0.2114	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9933	0.2334	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.013	0.2209	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.986	0.2673	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9133	0.2171	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	1.014	0.2293	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	1.014	0.225	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9774	0.1174	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9782	0.1153	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	0.9641	0.1457	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9789	0.1097	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
1,2-Dichloroethane (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.963	0.1478	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	28	1	0	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.9237	0.2084	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.9187	0.2146	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9756	0.122	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9756	0.122	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9593	0.1548	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9593	0.1548	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9593	0.1548	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9593	0.1548	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9593	0.1548	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	0.9129	0.2215	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.8475	0.2824	unknown	ShapiroWilk
1,2-Dichloroethane (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.8475	0.2824	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9797	0.1217	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9594	0.1696	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9757	0.1333	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9757	0.1333	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9748	0.1356	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.8877	0.2741	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	29	1	0	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9757	0.1333	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	1.009	0.2259	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9765	0.1311	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9748	0.1356	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9797	0.1217	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.9605	0.1673	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	0.9635	0.1611	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9558	0.1769	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9748	0.1356	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9748	0.1356	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	1.026	0.246	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	0.973	0.1405	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9739	0.138	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.973	0.1405	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9739	0.138	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	0.9571	0.1743	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-205A	No	n/a	n/a	NP (nrm)	NaN	27	1	0	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9558	0.1769	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	28	1	0	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.9088	0.2493	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.9027	0.2569	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9708	0.146	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9708	0.146	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9513	0.1852	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9513	0.1852	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9513	0.1852	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9513	0.1852	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9513	0.1852	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	0.8957	0.2651	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
1,2-Dichloropropane (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.8175	0.3379	unknown	ShapiroWilk
1,2-Dichloropropane (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.8175	0.3379	unknown	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	10	0.536	0.3627	unknown	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-1B	No	n/a	n/a	EPA 1989	0.05	5	0.5567	0.4617	normal	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-5B	No	n/a	n/a	EPA 1989	0.05	5	0.5588	0.4668	normal	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-7B1	No	n/a	n/a	EPA 1989	0.05	5	0.5529	0.4591	normal	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-8B	No	n/a	n/a	EPA 1989	0.05	5	0.561	0.4662	normal	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-12B	No	n/a	n/a	EPA 1989	0.05	4	0.46	0.4431	normal	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-14B	No	n/a	n/a	EPA 1989	0.05	5	0.5568	0.4646	normal	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-17A-00	No	n/a	n/a	EPA 1989	0.05	5	0.5567	0.4644	normal	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-23A	No	n/a	n/a	EPA 1989	0.05	5	0.6187	0.5526	normal	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-24A	No	n/a	n/a	EPA 1989	0.05	5	0.573	0.4849	normal	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-25A-00	No	n/a	n/a	EPA 1989	0.05	5	0.5688	0.4797	normal	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-29A	No	n/a	n/a	EPA 1989	0.05	5	0.5745	0.4496	normal	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-31B	No	n/a	n/a	EPA 1989	0.05	5	0.5586	0.4761	normal	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-201A	No	n/a	n/a	NP (n)	NaN	4	0.6586	0.4972	unknown	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-202A	No	n/a	n/a	NP (n)	NaN	4	0.6486	0.4868	unknown	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-203A	No	n/a	n/a	Dixon`s	0.05	4	0.6509	0.4902	normal	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-204A	No	n/a	n/a	NP (n)	NaN	4	0.6459	0.4844	unknown	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-208B	No	n/a	n/a	EPA 1989	0.05	4	3.211	5.016	ln(x)	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-210B	No	n/a	n/a	NP (n)	NaN	4	0.633	0.4829	unknown	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-215A	No	n/a	n/a	NP (n)	NaN	4	0.6458	0.4846	unknown	ShapiroWilk
2,4,5-TP [Silvex] (ug/L)	MW-214A	No	n/a	n/a	NP (n)	NaN	4	0.6411	0.4789	unknown	ShapiroWilk
2,4-Dimethylphenol (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	8.201	4.25	unknown	ShapiroWilk
2,4-Dimethylphenol (ug/L)	**MW-5B**	**Yes**	**0.604**	**5/6/2025**	**Dixon`s**	**0.05**	**5**	**8.261**	**4.284**	**normal**	**ShapiroWilk**
2,4-Dimethylphenol (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	5	8.201	4.25	unknown	ShapiroWilk
2,4-Dimethylphenol (ug/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	5	8.161	4.225	unknown	ShapiroWilk
2,4-Dimethylphenol (ug/L)	MW-12B	No	n/a	n/a	EPA 1989	0.05	4	9.75	1.258	normal	ShapiroWilk
2,4-Dimethylphenol (ug/L)	MW-14B	No	n/a	n/a	Dixon`s	0.05	5	10.22	6.859	normal	ShapiroWilk
2,4-Dimethylphenol (ug/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	5	8.281	4.296	unknown	ShapiroWilk
2,4-Dimethylphenol (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	8.274	4.321	unknown	ShapiroWilk
2,4-Dimethylphenol (ug/L)	**MW-24A**	**Yes**	**0.592**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**8.278**	**4.302**	**normal**	**ShapiroWilk**
2,4-Dimethylphenol (ug/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	5	8.323	4.315	unknown	ShapiroWilk
2,4-Dimethylphenol (ug/L)	**MW-29A**	**Yes**	**0.592**	**5/5/2025**	**Dixon`s**	**0.05**	**5**	**8.198**	**4.254**	**normal**	**ShapiroWilk**
2,4-Dimethylphenol (ug/L)	**MW-31B**	**Yes**	**0.617**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**8.343**	**4.332**	**normal**	**ShapiroWilk**
2,4-Dimethylphenol (ug/L)	**MW-201A**	**Yes**	**0.604**	**5/6/2025**	**Dixon`s**	**0.05**	**4**	**7.951**	**4.909**	**normal**	**ShapiroWilk**
2,4-Dimethylphenol (ug/L)	**MW-202A**	**Yes**	**0.604**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**7.901**	**4.871**	**normal**	**ShapiroWilk**
2,4-Dimethylphenol (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	7.904	4.864	unknown	ShapiroWilk
2,4-Dimethylphenol (ug/L)	**MW-204A**	**Yes**	**0.604**	**4/24/2025**	**Dixon`s**	**0.05**	**4**	**7.751**	**4.766**	**normal**	**ShapiroWilk**
2,4-Dimethylphenol (ug/L)	**MW-208B**	**Yes**	**0.592**	**4/25/2025**	**Dixon`s**	**0.05**	**4**	**7.973**	**4.934**	**normal**	**ShapiroWilk**
2,4-Dimethylphenol (ug/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	7.745	4.78	unknown	ShapiroWilk
2,4-Dimethylphenol (ug/L)	**MW-215A**	**Yes**	**0.617**	**5/7/2025**	**Dixon`s**	**0.05**	**4**	**7.779**	**4.778**	**normal**	**ShapiroWilk**
2,4-Dimethylphenol (ug/L)	**MW-214A**	**Yes**	**0.604**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**8.026**	**4.969**	**normal**	**ShapiroWilk**
2,4-Dimethylphenol (ug/L)	**MW-219A**	**Yes**	**443**	**7/10/2013**	**Dixon`s**	**0.05**	**6**	**82.38**	**176.7**	**normal**	**ShapiroWilk**
2-Butanone [MEK] (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	36	9.642	1.538	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	9.283	2.113	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	9.57	1.68	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	9.57	1.68	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	9.555	1.708	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-10B	No	n/a	n/a	NP (nrm)	NaN	13	8.4	3.116	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
2-Butanone [MEK] (ug/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	9.655	1.289	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	9.57	1.68	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	9.584	1.654	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	9.584	1.654	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	9.555	1.708	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	9.503	1.72	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	9.303	2.087	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	9.355	2.014	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	9.218	2.198	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	9.555	1.708	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	9.555	1.708	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	9.539	1.737	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	9.522	1.768	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	9.539	1.737	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	9.522	1.768	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	9.539	1.737	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	9.241	2.169	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	9.63	1.334	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	9.218	2.198	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	28	9.643	1.311	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	8.7	2.861	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	8.613	2.94	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	9.484	1.834	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	9.484	1.834	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	9.193	2.333	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	9.14	2.294	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	9.14	2.294	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	9.14	2.294	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	9.14	2.294	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	7.8	3.187	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	7.4	3.698	unknown	ShapiroWilk
2-Butanone [MEK] (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	7.4	3.698	unknown	ShapiroWilk
2-Methylnaphthalene (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	8.203	4.245	unknown	ShapiroWilk
2-Methylnaphthalene (ug/L)	**MW-5B**	**Yes**	**0.615**	**5/6/2025**	**Dixon`s**	**0.05**	**5**	**8.263**	**4.279**	**normal**	**ShapiroWilk**
2-Methylnaphthalene (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	5	8.203	4.245	unknown	ShapiroWilk
2-Methylnaphthalene (ug/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	5	8.163	4.22	unknown	ShapiroWilk
2-Methylnaphthalene (ug/L)	MW-12B	No	n/a	n/a	EPA 1989	0.05	4	9.75	1.258	normal	ShapiroWilk
2-Methylnaphthalene (ug/L)	MW-14B	No	n/a	n/a	Dixon`s	0.05	5	10.22	6.855	normal	ShapiroWilk
2-Methylnaphthalene (ug/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	5	8.283	4.291	unknown	ShapiroWilk
2-Methylnaphthalene (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	8.276	4.317	unknown	ShapiroWilk
2-Methylnaphthalene (ug/L)	**MW-24A**	**Yes**	**0.602**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**8.28**	**4.298**	**normal**	**ShapiroWilk**
2-Methylnaphthalene (ug/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	5	8.326	4.31	unknown	ShapiroWilk
2-Methylnaphthalene (ug/L)	**MW-29A**	**Yes**	**0.602**	**5/5/2025**	**Dixon`s**	**0.05**	**5**	**8.2**	**4.249**	**normal**	**ShapiroWilk**
2-Methylnaphthalene (ug/L)	**MW-31B**	**Yes**	**0.628**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**8.346**	**4.327**	**normal**	**ShapiroWilk**
2-Methylnaphthalene (ug/L)	**MW-201A**	**Yes**	**0.615**	**5/6/2025**	**Dixon`s**	**0.05**	**4**	**7.954**	**4.903**	**normal**	**ShapiroWilk**
2-Methylnaphthalene (ug/L)	**MW-202A**	**Yes**	**0.615**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**7.904**	**4.866**	**normal**	**ShapiroWilk**
2-Methylnaphthalene (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	7.907	4.858	unknown	ShapiroWilk
2-Methylnaphthalene (ug/L)	**MW-204A**	**Yes**	**0.615**	**4/24/2025**	**Dixon`s**	**0.05**	**4**	**7.754**	**4.761**	**normal**	**ShapiroWilk**
2-Methylnaphthalene (ug/L)	**MW-208B**	**Yes**	**0.602**	**4/25/2025**	**Dixon`s**	**0.05**	**4**	**7.975**	**4.929**	**normal**	**ShapiroWilk**
2-Methylnaphthalene (ug/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	7.747	4.775	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
2-Methylnaphthalene (ug/L)	**MW-215A**	**Yes**	**0.628**	**5/7/2025**	**Dixon`s**	**0.05**	**4**	**7.782**	**4.772**	**normal**	**ShapiroWilk**
2-Methylnaphthalene (ug/L)	**MW-214A**	**Yes**	**0.615**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**8.029**	**4.963**	**normal**	**ShapiroWilk**
2-Methylnaphthalene (ug/L)	**MW-219A**	**Yes**	**156**	**7/10/2013**	**Dixon`s**	**0.05**	**6**	**34.55**	**59.5**	**normal**	**ShapiroWilk**
2-Methylphenol (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	8.215	4.218	unknown	ShapiroWilk
2-Methylphenol (ug/L)	**MW-5B**	**Yes**	**0.677**	**5/6/2025**	**Dixon`s**	**0.05**	**5**	**8.275**	**4.251**	**normal**	**ShapiroWilk**
2-Methylphenol (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	5	8.215	4.218	unknown	ShapiroWilk
2-Methylphenol (ug/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	5	8.175	4.193	unknown	ShapiroWilk
2-Methylphenol (ug/L)	MW-12B	No	n/a	n/a	EPA 1989	0.05	4	9.75	1.258	normal	ShapiroWilk
2-Methylphenol (ug/L)	MW-14B	No	n/a	n/a	Dixon`s	0.05	5	10.24	6.833	normal	ShapiroWilk
2-Methylphenol (ug/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	5	8.295	4.264	unknown	ShapiroWilk
2-Methylphenol (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	8.287	4.291	unknown	ShapiroWilk
2-Methylphenol (ug/L)	**MW-24A**	**Yes**	**0.663**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**8.293**	**4.27**	**normal**	**ShapiroWilk**
2-Methylphenol (ug/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	5	8.338	4.282	unknown	ShapiroWilk
2-Methylphenol (ug/L)	**MW-29A**	**Yes**	**0.663**	**5/5/2025**	**Dixon`s**	**0.05**	**5**	**8.213**	**4.222**	**normal**	**ShapiroWilk**
2-Methylphenol (ug/L)	**MW-31B**	**Yes**	**0.691**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**8.358**	**4.299**	**normal**	**ShapiroWilk**
2-Methylphenol (ug/L)	**MW-201A**	**Yes**	**0.677**	**5/6/2025**	**Dixon`s**	**0.05**	**4**	**7.969**	**4.872**	**normal**	**ShapiroWilk**
2-Methylphenol (ug/L)	**MW-202A**	**Yes**	**0.677**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**7.919**	**4.835**	**normal**	**ShapiroWilk**
2-Methylphenol (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	7.923	4.827	unknown	ShapiroWilk
2-Methylphenol (ug/L)	**MW-204A**	**Yes**	**0.677**	**4/24/2025**	**Dixon`s**	**0.05**	**4**	**7.769**	**4.73**	**normal**	**ShapiroWilk**
2-Methylphenol (ug/L)	**MW-208B**	**Yes**	**0.663**	**4/25/2025**	**Dixon`s**	**0.05**	**4**	**7.991**	**4.899**	**normal**	**ShapiroWilk**
2-Methylphenol (ug/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	7.762	4.745	unknown	ShapiroWilk
2-Methylphenol (ug/L)	**MW-215A**	**Yes**	**0.691**	**5/7/2025**	**Dixon`s**	**0.05**	**4**	**7.798**	**4.741**	**normal**	**ShapiroWilk**
2-Methylphenol (ug/L)	**MW-214A**	**Yes**	**0.677**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**8.044**	**4.932**	**normal**	**ShapiroWilk**
2-Methylphenol (ug/L)	**MW-219A**	**Yes**	**1780**	**7/10/2013**	**Dixon`s**	**0.05**	**6**	**305.2**	**722.5**	**normal**	**ShapiroWilk**
4,4`-DDD (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	0.03038	0.004385	unknown	ShapiroWilk
4,4`-DDD (ug/L)	**MW-5B**	**Yes**	**0.0225**	**5/6/2025**	**Dixon`s**	**0.05**	**5**	**0.03064**	**0.004607**	**normal**	**ShapiroWilk**
4,4`-DDD (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	6	0.0307	0.003856	unknown	ShapiroWilk
4,4`-DDD (ug/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	7	0.02687	0.006829	unknown	ShapiroWilk
4,4`-DDD (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	4	0.03693	0.008753	unknown	ShapiroWilk
4,4`-DDD (ug/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	5	0.03058	0.004538	unknown	ShapiroWilk
4,4`-DDD (ug/L)	**MW-17A-00**	**Yes**	**0.0227**	**4/23/2025**	**Dixon`s**	**0.05**	**5**	**0.03054**	**0.004416**	**normal**	**ShapiroWilk**
4,4`-DDD (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	0.03068	0.004926	unknown	ShapiroWilk
4,4`-DDD (ug/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	5	0.0304	0.004341	unknown	ShapiroWilk
4,4`-DDD (ug/L)	**MW-25A-00**	**Yes**	**0.0226**	**5/8/2025**	**Dixon`s**	**0.05**	**5**	**0.03074**	**0.004655**	**normal**	**ShapiroWilk**
4,4`-DDD (ug/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	5	0.03048	0.004571	unknown	ShapiroWilk
4,4`-DDD (ug/L)	**MW-31B**	**Yes**	**0.0224**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**0.03042**	**0.004505**	**normal**	**ShapiroWilk**
4,4`-DDD (ug/L)	**MW-201A**	**Yes**	**0.0227**	**5/6/2025**	**Dixon`s**	**0.05**	**4**	**0.03043**	**0.005201**	**normal**	**ShapiroWilk**
4,4`-DDD (ug/L)	**MW-202A**	**Yes**	**0.0224**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**0.03**	**0.005097**	**normal**	**ShapiroWilk**
4,4`-DDD (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	0.02998	0.004955	unknown	ShapiroWilk
4,4`-DDD (ug/L)	**MW-204A**	**Yes**	**0.023**	**4/24/2025**	**Dixon`s**	**0.05**	**4**	**0.03033**	**0.004915**	**normal**	**ShapiroWilk**
4,4`-DDD (ug/L)	**MW-208B**	**Yes**	**0.0381,0.302...**	**10/5/2015,10/15/2014,9...**	**Dixon`s**	**0.05**	**15**	**0.04789**	**0.07077**	**normal**	**ShapiroWilk**
4,4`-DDD (ug/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	0.03008	0.005047	unknown	ShapiroWilk
4,4`-DDD (ug/L)	**MW-215A**	**Yes**	**0.0226**	**5/7/2025**	**Dixon`s**	**0.05**	**4**	**0.02998**	**0.004934**	**normal**	**ShapiroWilk**
4,4`-DDD (ug/L)	**MW-214A**	**Yes**	**0.0226**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**0.0306**	**0.005458**	**normal**	**ShapiroWilk**
4,4`-DDT (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	0.02948	0.006386	unknown	ShapiroWilk
4,4`-DDT (ug/L)	**MW-5B**	**Yes**	**0.018**	**5/6/2025**	**Dixon`s**	**0.05**	**5**	**0.02974**	**0.006602**	**normal**	**ShapiroWilk**
4,4`-DDT (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	6	0.02993	0.005723	unknown	ShapiroWilk
4,4`-DDT (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	7	0.03024	0.005245	unknown	ShapiroWilk
4,4`-DDT (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	4	0.03693	0.008753	unknown	ShapiroWilk
4,4`-DDT (ug/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	5	0.02968	0.006527	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
4,4`-DDT (ug/L)	**MW-17A-00**	**Yes**	**0.0182**	**4/23/2025**	**Dixon`s**	**0.05**	**5**	**0.02964**	**0.006418**	**normal**	**ShapiroWilk**
4,4`-DDT (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	0.0298	0.006873	unknown	ShapiroWilk
4,4`-DDT (ug/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	5	0.02948	0.006386	unknown	ShapiroWilk
4,4`-DDT (ug/L)	**MW-25A-00**	**Yes**	**0.0181**	**5/8/2025**	**Dixon`s**	**0.05**	**5**	**0.02984**	**0.006636**	**normal**	**ShapiroWilk**
4,4`-DDT (ug/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	5	0.02958	0.006567	unknown	ShapiroWilk
4,4`-DDT (ug/L)	**MW-31B**	**Yes**	**0.0179**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**0.02952**	**0.006511**	**normal**	**ShapiroWilk**
4,4`-DDT (ug/L)	**MW-201A**	**Yes**	**0.0181**	**5/6/2025**	**Dixon`s**	**0.05**	**4**	**0.02928**	**0.007485**	**normal**	**ShapiroWilk**
4,4`-DDT (ug/L)	**MW-202A**	**Yes**	**0.0179**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**0.02888**	**0.007338**	**normal**	**ShapiroWilk**
4,4`-DDT (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	0.02883	0.007243	unknown	ShapiroWilk
4,4`-DDT (ug/L)	**MW-204A**	**Yes**	**0.0184**	**4/24/2025**	**Dixon`s**	**0.05**	**4**	**0.02918**	**0.007205**	**normal**	**ShapiroWilk**
4,4`-DDT (ug/L)	**MW-208B**	**Yes**	**0.00895,0.00...**	**4/4/2016,4/24/2018,5/1...**	**NP (nrm)**	**NaN**	**20**	**0.03612**	**0.01726**	**unknown**	**ShapiroWilk**
4,4`-DDT (ug/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	0.02895	0.007278	unknown	ShapiroWilk
4,4`-DDT (ug/L)	**MW-215A**	**Yes**	**0.0181**	**5/7/2025**	**Dixon`s**	**0.05**	**4**	**0.02885**	**0.007179**	**normal**	**ShapiroWilk**
4,4`-DDT (ug/L)	**MW-214A**	**Yes**	**0.0181**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**0.02948**	**0.007671**	**normal**	**ShapiroWilk**
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	32	9.441	1.817	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	9.006	2.325	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	9.57	1.68	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	9.57	1.68	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	9.555	1.708	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	7.631	3.251	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	9.655	1.289	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	9.57	1.68	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	9.584	1.654	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	9.584	1.654	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	9.555	1.708	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	9.225	2.006	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	9.032	2.298	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	9.105	2.223	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	8.915	2.411	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	9.555	1.708	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	9.555	1.708	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	9.539	1.737	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	9.522	1.768	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	9.539	1.737	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	9.522	1.768	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	9.539	1.737	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	8.947	2.381	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	9.63	1.334	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	8.915	2.411	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	28	9.643	1.311	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	8.075	3.061	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	7.947	3.123	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	9.14	2.44	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	9.284	2.037	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	8.693	2.749	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	8.693	2.749	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	8.683	2.776	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	8.807	2.506	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	8.807	2.506	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	7.086	3.173	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	6.15	3.407	unknown	ShapiroWilk
4-Methyl-2-pentanone [MIBK] (ug/L)	MW-410	No	n/a	n/a	EPA 1989	0.05	8	5.662	3.846	ln(x)	ShapiroWilk
Acetone (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	36	9.808	1.15	unknown	ShapiroWilk
Acetone (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	9.25	2.156	unknown	ShapiroWilk
Acetone (ug/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	30	8.308	3.034	unknown	ShapiroWilk
Acetone (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	9.125	2.29	unknown	ShapiroWilk
Acetone (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	9.623	4.647	unknown	ShapiroWilk
Acetone (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	8.938	2.591	unknown	ShapiroWilk
Acetone (ug/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	9.339	2.006	unknown	ShapiroWilk
Acetone (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	8.783	2.773	unknown	ShapiroWilk
Acetone (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	9.335	2.077	unknown	ShapiroWilk
Acetone (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	9.735	2.532	unknown	ShapiroWilk
Acetone (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	9.298	2.105	unknown	ShapiroWilk
Acetone (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	9.382	2.083	unknown	ShapiroWilk
Acetone (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	9.228	2.255	unknown	ShapiroWilk
Acetone (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	9.337	2.044	unknown	ShapiroWilk
Acetone (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	9.172	2.266	unknown	ShapiroWilk
Acetone (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	9.762	1.281	unknown	ShapiroWilk
Acetone (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	9.565	1.635	unknown	ShapiroWilk
Acetone (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	9.387	1.94	unknown	ShapiroWilk
Acetone (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	8.703	2.781	unknown	ShapiroWilk
Acetone (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	8.869	2.533	unknown	ShapiroWilk
Acetone (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	8.918	2.666	unknown	ShapiroWilk
Acetone (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	8.985	2.54	unknown	ShapiroWilk
Acetone (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	9.479	1.752	unknown	ShapiroWilk
Acetone (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	9.494	1.514	unknown	ShapiroWilk
Acetone (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	8.772	2.513	unknown	ShapiroWilk
Acetone (ug/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	28	9.359	1.938	unknown	ShapiroWilk
Acetone (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	9.137	2.357	unknown	ShapiroWilk
Acetone (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	9.08	2.428	unknown	ShapiroWilk
Acetone (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	8.779	2.864	unknown	ShapiroWilk
Acetone (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	9.168	2.324	unknown	ShapiroWilk
Acetone (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	9.315	2.09	unknown	ShapiroWilk
Acetone (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	9.109	2.315	unknown	ShapiroWilk
Acetone (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	9.281	2.197	unknown	ShapiroWilk
Acetone (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	9.349	1.994	unknown	ShapiroWilk
Acetone (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	9.54	1.751	unknown	ShapiroWilk
Acetone (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	9.014	2.506	unknown	ShapiroWilk
Acetone (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	8.275	3.194	unknown	ShapiroWilk
Acetone (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	8.275	3.194	unknown	ShapiroWilk
Benzene (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	42	0.5171	0.1175	unknown	ShapiroWilk
Benzene (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.54	0.1772	unknown	ShapiroWilk
Benzene (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.5073	0.1062	unknown	ShapiroWilk
Benzene (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	0.5073	0.1062	unknown	ShapiroWilk
Benzene (ug/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	29	0.4178	0.1676	unknown	ShapiroWilk
Benzene (ug/L)	MW-10B	No	n/a	n/a	NP (nrm)	NaN	13	0.5723	0.2644	unknown	ShapiroWilk
Benzene (ug/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.5345	0.1289	unknown	ShapiroWilk
Benzene (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.5073	0.1062	unknown	ShapiroWilk
Benzene (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	0.5071	0.1044	unknown	ShapiroWilk
Benzene (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.5071	0.1044	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Benzene (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.5076	0.108	unknown	ShapiroWilk
Benzene (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.5478	0.1687	unknown	ShapiroWilk
Benzene (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.5389	0.1749	unknown	ShapiroWilk
Benzene (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	0.536	0.1683	unknown	ShapiroWilk
Benzene (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.532	0.1993	unknown	ShapiroWilk
Benzene (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.5076	0.108	unknown	ShapiroWilk
Benzene (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.5076	0.108	unknown	ShapiroWilk
Benzene (ug/L)	MW-204A	No	n/a	n/a	NP (nrm)	NaN	32	2.683	2.657	unknown	ShapiroWilk
Benzene (ug/L)	MW-208B	No	n/a	n/a	NP (nrm)	NaN	27	0.4109	0.1049	unknown	ShapiroWilk
Benzene (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.5079	0.11	unknown	ShapiroWilk
Benzene (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.5081	0.1121	unknown	ShapiroWilk
Benzene (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.5079	0.11	unknown	ShapiroWilk
Benzene (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	0.5424	0.1822	unknown	ShapiroWilk
Benzene (ug/L)	MW-205A	No	n/a	n/a	EPA 1989	0.05	30	3.466	4.418	ln(x)	ShapiroWilk
Benzene (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.5436	0.1849	unknown	ShapiroWilk
Benzene (ug/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.5247	0.1463	unknown	ShapiroWilk
Benzene (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.5587	0.2383	unknown	ShapiroWilk
Benzene (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.5627	0.2461	unknown	ShapiroWilk
Benzene (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.5288	0.1524	unknown	ShapiroWilk
Benzene (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.5237	0.1555	unknown	ShapiroWilk
Benzene (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.548	0.1937	unknown	ShapiroWilk
Benzene (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.548	0.1937	unknown	ShapiroWilk
Benzene (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.548	0.1937	unknown	ShapiroWilk
Benzene (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.548	0.1937	unknown	ShapiroWilk
Benzene (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.548	0.1937	unknown	ShapiroWilk
Benzene (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	0.6386	0.2959	unknown	ShapiroWilk
Benzene (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.6175	0.3373	unknown	ShapiroWilk
Benzene (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.6175	0.3373	unknown	ShapiroWilk
Benzyl alcohol (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	8.35	3.917	unknown	ShapiroWilk
Benzyl alcohol (ug/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	5	6.388	5.148	unknown	ShapiroWilk
Benzyl alcohol (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	5	8.35	3.917	unknown	ShapiroWilk
Benzyl alcohol (ug/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	5	8.31	3.892	unknown	ShapiroWilk
Benzyl alcohol (ug/L)	MW-12B	No	n/a	n/a	EPA 1989	0.05	4	9.75	1.258	normal	ShapiroWilk
Benzyl alcohol (ug/L)	MW-14B	No	n/a	n/a	Dixon`s	0.05	5	10.37	6.601	normal	ShapiroWilk
Benzyl alcohol (ug/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	5	8.43	3.963	unknown	ShapiroWilk
Benzyl alcohol (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	8.414	4.009	unknown	ShapiroWilk
Benzyl alcohol (ug/L)	**MW-24A**	**Yes**	**1.33**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**8.426**	**3.972**	**normal**	**ShapiroWilk**
Benzyl alcohol (ug/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	5	8.476	3.975	unknown	ShapiroWilk
Benzyl alcohol (ug/L)	**MW-29A**	**Yes**	**1.33**	**5/5/2025**	**Dixon`s**	**0.05**	**5**	**8.346**	**3.924**	**normal**	**ShapiroWilk**
Benzyl alcohol (ug/L)	**MW-31B**	**Yes**	**1.38**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**8.496**	**3.991**	**normal**	**ShapiroWilk**
Benzyl alcohol (ug/L)	**MW-201A**	**Yes**	**1.35**	**5/6/2025**	**Dixon`s**	**0.05**	**4**	**8.137**	**4.537**	**normal**	**ShapiroWilk**
Benzyl alcohol (ug/L)	**MW-202A**	**Yes**	**1.35**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**8.088**	**4.499**	**normal**	**ShapiroWilk**
Benzyl alcohol (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	8.095	4.483	unknown	ShapiroWilk
Benzyl alcohol (ug/L)	**MW-204A**	**Yes**	**1.35**	**4/24/2025**	**Dixon`s**	**0.05**	**4**	**7.938**	**4.393**	**normal**	**ShapiroWilk**
Benzyl alcohol (ug/L)	**MW-208B**	**Yes**	**1.33**	**4/25/2025**	**Dixon`s**	**0.05**	**4**	**8.157**	**4.567**	**normal**	**ShapiroWilk**
Benzyl alcohol (ug/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	7.925	4.421	unknown	ShapiroWilk
Benzyl alcohol (ug/L)	**MW-215A**	**Yes**	**1.38**	**5/7/2025**	**Dixon`s**	**0.05**	**4**	**7.97**	**4.397**	**normal**	**ShapiroWilk**
Benzyl alcohol (ug/L)	**MW-214A**	**Yes**	**1.35**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**8.213**	**4.598**	**normal**	**ShapiroWilk**
Benzyl alcohol (ug/L)	**MW-219A**	**Yes**	**146**	**7/10/2013**	**Dixon`s**	**0.05**	**6**	**32.88**	**55.42**	**normal**	**ShapiroWilk**
Beta-BHC (ug/L)	MW-34A (bg)	No	n/a	n/a	NP (nrm)	NaN	7	0.032	0	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Beta-BHC (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	0.03346	0.0026	unknown	ShapiroWilk
Beta-BHC (ug/L)	**MW-5B**	**Yes**	**0.0378**	**5/6/2025**	**Dixon`s**	**0.05**	**5**	**0.0337**	**0.002402**	**normal**	**ShapiroWilk**
Beta-BHC (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	6	0.0333	0.0026	unknown	ShapiroWilk
Beta-BHC (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	7	0.03314	0.002498	unknown	ShapiroWilk
Beta-BHC (ug/L)	MW-12B	No	n/a	n/a	EPA 1989	0.05	4	0.03007	0.01799	normal	ShapiroWilk
Beta-BHC (ug/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	5	0.03366	0.002565	unknown	ShapiroWilk
Beta-BHC (ug/L)	**MW-17A-00**	**Yes**	**0.0382**	**4/23/2025**	**Dixon`s**	**0.05**	**5**	**0.03364**	**0.002606**	**normal**	**ShapiroWilk**
Beta-BHC (ug/L)	MW-23A	No	n/a	n/a	EPA 1989	0.05	5	0.03368	0.002041	normal	ShapiroWilk
Beta-BHC (ug/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	5	0.03348	0.002643	unknown	ShapiroWilk
Beta-BHC (ug/L)	MW-25A-00	No	n/a	n/a	EPA 1989	0.05	5	0.03382	0.002534	normal	ShapiroWilk
Beta-BHC (ug/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	5	0.03352	0.002387	unknown	ShapiroWilk
Beta-BHC (ug/L)	**MW-31B**	**Yes**	**0.0377**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**0.03348**	**0.002399**	**normal**	**ShapiroWilk**
Beta-BHC (ug/L)	MW-201A	No	n/a	n/a	EPA 1989	0.05	4	0.03428	0.002651	normal	ShapiroWilk
Beta-BHC (ug/L)	MW-202A	No	n/a	n/a	EPA 1989	0.05	4	0.0338	0.002594	normal	ShapiroWilk
Beta-BHC (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	0.0338	0.002801	unknown	ShapiroWilk
Beta-BHC (ug/L)	**MW-204A**	**Yes**	**0.0058**	**3/30/2020**	**Dixon`s**	**0.05**	**4**	**0.02738**	**0.01468**	**normal**	**ShapiroWilk**
Beta-BHC (ug/L)	MW-208B	No	n/a	n/a	EPA 1989	0.05	4	0.02105	0.01712	normal	ShapiroWilk
Beta-BHC (ug/L)	MW-210B	No	n/a	n/a	EPA 1989	0.05	4	0.03393	0.002832	normal	ShapiroWilk
Beta-BHC (ug/L)	**MW-215A**	**Yes**	**0.038**	**5/7/2025**	**Dixon`s**	**0.05**	**4**	**0.03382**	**0.002815**	**normal**	**ShapiroWilk**
Beta-BHC (ug/L)	MW-214A	No	n/a	n/a	EPA 1989	0.05	4	0.03445	0.002635	normal	ShapiroWilk
Bis[2-chloroethoxy]methane (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	8.238	4.166	unknown	ShapiroWilk
Bis[2-chloroethoxy]methane (ug/L)	**MW-5B**	**Yes**	**0.792**	**5/6/2025**	**Dixon`s**	**0.05**	**5**	**8.298**	**4.2**	**normal**	**ShapiroWilk**
Bis[2-chloroethoxy]methane (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	5	8.238	4.166	unknown	ShapiroWilk
Bis[2-chloroethoxy]methane (ug/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	5	8.198	4.141	unknown	ShapiroWilk
Bis[2-chloroethoxy]methane (ug/L)	MW-12B	No	n/a	n/a	EPA 1989	0.05	4	9.75	1.258	normal	ShapiroWilk
Bis[2-chloroethoxy]methane (ug/L)	MW-14B	No	n/a	n/a	Dixon`s	0.05	5	10.26	6.793	normal	ShapiroWilk
Bis[2-chloroethoxy]methane (ug/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	5	8.318	4.212	unknown	ShapiroWilk
Bis[2-chloroethoxy]methane (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	8.309	4.243	unknown	ShapiroWilk
Bis[2-chloroethoxy]methane (ug/L)	**MW-24A**	**Yes**	**0.776**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**8.315**	**4.22**	**normal**	**ShapiroWilk**
Bis[2-chloroethoxy]methane (ug/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	5	8.362	4.23	unknown	ShapiroWilk
Bis[2-chloroethoxy]methane (ug/L)	**MW-29A**	**Yes**	**0.776**	**5/5/2025**	**Dixon`s**	**0.05**	**5**	**8.235**	**4.172**	**normal**	**ShapiroWilk**
Bis[2-chloroethoxy]methane (ug/L)	**MW-31B**	**Yes**	**0.809**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**8.382**	**4.246**	**normal**	**ShapiroWilk**
Bis[2-chloroethoxy]methane (ug/L)	**MW-201A**	**Yes**	**0.792**	**5/6/2025**	**Dixon`s**	**0.05**	**4**	**7.998**	**4.815**	**normal**	**ShapiroWilk**
Bis[2-chloroethoxy]methane (ug/L)	**MW-202A**	**Yes**	**0.792**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**7.948**	**4.777**	**normal**	**ShapiroWilk**
Bis[2-chloroethoxy]methane (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	7.952	4.768	unknown	ShapiroWilk
Bis[2-chloroethoxy]methane (ug/L)	**MW-204A**	**Yes**	**0.792**	**4/24/2025**	**Dixon`s**	**0.05**	**4**	**7.798**	**4.672**	**normal**	**ShapiroWilk**
Bis[2-chloroethoxy]methane (ug/L)	**MW-208B**	**Yes**	**0.776**	**4/25/2025**	**Dixon`s**	**0.05**	**4**	**8.019**	**4.843**	**normal**	**ShapiroWilk**
Bis[2-chloroethoxy]methane (ug/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	7.79	4.69	unknown	ShapiroWilk
Bis[2-chloroethoxy]methane (ug/L)	**MW-215A**	**Yes**	**0.809**	**5/7/2025**	**Dixon`s**	**0.05**	**4**	**7.827**	**4.682**	**normal**	**ShapiroWilk**
Bis[2-chloroethoxy]methane (ug/L)	**MW-214A**	**Yes**	**0.792**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**8.073**	**4.875**	**normal**	**ShapiroWilk**
Bis[2-chloroethoxy]methane (ug/L)	**MW-219A**	**Yes**	**106**	**7/10/2013**	**Dixon`s**	**0.05**	**5**	**29.44**	**42.8**	**normal**	**ShapiroWilk**
Bis[2-ethylhexyl]phthalate (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	9.226	1.962	unknown	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	5	8.018	2.968	unknown	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	5	7.362	4.197	unknown	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	5	7.324	4.158	unknown	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-12B	n/a	n/a	n/a	EPA 1989	0.05	7	8.407	3.95	unknown	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-14B	No	n/a	n/a	EPA 1989	0.05	5	9.59	6.729	normal	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	5	7.38	4.162	unknown	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	8.336	2.664	unknown	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-24A	No	n/a	n/a	EPA 1989	0.05	5	8.728	2.026	normal	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Bis[2-ethylhexyl]phthalate (ug/L)	MW-25A-00	No	n/a	n/a	EPA 1989	0.05	5	7.72	3.59	normal	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	**MW-29A**	**Yes**	**5.61**	**5/5/2025**	**Dixon`s**	**0.05**	**5**	**9.202**	**2.012**	**normal**	**ShapiroWilk**
Bis[2-ethylhexyl]phthalate (ug/L)	MW-31B	No	n/a	n/a	NP (nrm)	NaN	14	7.773	4.856	unknown	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-201A	No	n/a	n/a	NP (nrm)	NaN	13	8.137	4.339	unknown	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-202A	No	n/a	n/a	EPA 1989	0.05	4	6.807	4.353	normal	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-203A	No	n/a	n/a	EPA 1989	0.05	4	6.845	4.401	normal	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-204A	No	n/a	n/a	EPA 1989	0.05	4	8.475	2.055	normal	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-208B	No	n/a	n/a	Dixon`s	0.05	4	8.79	2.183	normal	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-210B	No	n/a	n/a	EPA 1989	0.05	4	8.19	2.392	normal	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-215A	No	n/a	n/a	NP (nrm)	NaN	13	7.047	4.428	unknown	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-214A	No	n/a	n/a	NP (nrm)	NaN	13	6.82	5.113	unknown	ShapiroWilk
Bis[2-ethylhexyl]phthalate (ug/L)	MW-219A	No	n/a	n/a	EPA 1989	0.05	5	27.89	43.81	ln(x)	ShapiroWilk
Carbon Disulfide (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	32	1.202	0.8799	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	1.081	0.6839	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	1.215	0.9081	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	1.215	0.9081	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	1.222	0.9233	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.9154	0.2065	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	1.241	0.9124	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	1.215	0.9081	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	1.208	0.8937	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	1.19	0.9036	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.222	0.9233	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	1.179	0.8306	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	1.051	0.5139	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	1.147	0.7964	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	1.179	0.8759	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.36	1.158	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.222	0.9233	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	1.23	0.9392	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	1.276	1.079	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	1.373	1.177	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	1.091	0.591	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	1.087	0.5802	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	1.438	1.741	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	1.563	1.941	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	1.452	1.767	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	28	1.679	1.945	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.9312	0.1879	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.9267	0.1935	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.978	0.11	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.978	0.11	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	1.045	0.3351	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9633	0.1395	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9633	0.1395	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9633	0.1395	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.945	0.1677	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	0.9214	0.1997	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.8625	0.2546	unknown	ShapiroWilk
Carbon Disulfide (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.8625	0.2546	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Carbon Tetrachloride (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	32	2.052	0.7348	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	2.098	1.264	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	2.088	0.7332	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	1.988	0.4849	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	1.988	0.4935	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	1.562	0.5878	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	2.103	0.7243	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	2.188	0.9051	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	2.085	0.721	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	2.085	0.721	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.988	0.4935	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	1.974	0.7627	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	1.943	0.7725	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	1.87	0.5597	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	1.948	0.8015	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	2.195	0.9204	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	2.091	0.7459	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	2.202	0.9366	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	2.024	0.6739	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	2.202	0.9366	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	1.987	0.5121	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	1.987	0.5025	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	2.038	0.947	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	2.222	0.9337	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	2.039	0.9617	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	28	2.286	0.9759	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	1.644	0.5546	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	1.58	0.6301	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	1.866	0.3749	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	1.866	0.3749	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	1.777	0.4605	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	1.777	0.4605	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	1.777	0.4605	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	1.777	0.4605	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	1.758	0.5016	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	1.45	0.5824	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	1.287	0.6075	unknown	ShapiroWilk
Carbon Tetrachloride (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	1.287	0.6075	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	32	0.9813	0.1061	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9944	0.2216	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	1.013	0.2161	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	1.013	0.2161	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	1.014	0.2199	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.9077	0.2253	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	1.034	0.1857	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.98	0.1095	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	1.013	0.2125	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9806	0.1078	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.014	0.2199	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	1.011	0.1968	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Chlorobenzene (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.9676	0.1375	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	0.995	0.2099	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9939	0.2318	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.014	0.2199	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.014	0.2199	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9786	0.1134	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	1.015	0.2282	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	1.014	0.224	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9778	0.1155	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9786	0.1134	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	0.9647	0.1433	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9712	0.1497	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9636	0.1454	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	28	1	0	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.925	0.2049	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.92	0.2111	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.976	0.12	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.976	0.12	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.96	0.1522	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.96	0.1522	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.96	0.1522	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.96	0.1522	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.96	0.1522	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	0.9143	0.2179	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.85	0.2777	unknown	ShapiroWilk
Chlorobenzene (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.85	0.2777	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	39	3.764	0.8292	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	3.488	1.161	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	3.793	0.7882	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	3.793	0.7882	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	3.502	1.115	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	2.814	1.563	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	3.473	1.188	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	3.793	0.7882	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	3.693	0.9545	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	3.8	0.7759	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	3.786	0.8012	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	3.578	1.067	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	3.502	1.148	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	3.54	1.111	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	3.442	1.203	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	3.786	0.8012	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	3.786	0.8012	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-204A	No	n/a	n/a	NP (nrm)	NaN	28	3.31	1.509	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	3.77	0.8292	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	3.778	0.8148	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	3.77	0.8292	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	3.778	0.8148	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	3.458	1.189	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	3.915	1.624	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Chloroethane (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	3.442	1.203	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	28	3.786	0.7868	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	3.036	1.478	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	2.972	1.506	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	3.632	1.019	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	3.632	1.019	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	3.386	1.25	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	3.386	1.25	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	3.386	1.25	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	3.386	1.25	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	3.386	1.25	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	2.47	1.589	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	2.073	1.598	unknown	ShapiroWilk
Chloroethane (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	2.073	1.598	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	32	2.644	0.8461	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	2.645	0.8087	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	2.854	0.5592	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	2.854	0.5592	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	2.763	0.7143	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	2.171	1.099	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	2.771	0.6931	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	2.768	0.7108	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	2.774	0.7058	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	2.858	0.5505	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	2.759	0.728	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	2.711	0.7312	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	2.655	0.7995	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	2.617	0.8472	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	2.613	0.8381	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	2.76	0.7243	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	2.763	0.7137	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	2.757	0.7166	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	2.698	0.7724	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	2.843	0.5781	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	2.837	0.5883	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	2.849	0.5805	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	2.548	0.9065	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	2.76	0.6945	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	2.613	0.8381	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	28	2.857	0.5245	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	2.326	1.038	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	2.281	1.058	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	2.641	0.8468	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	2.744	0.7094	unknown	ShapiroWilk
Chloromethane (ug/L)	**MW-216A**	**Yes**	**0.321**	**4/17/2017**	**NP (nrm)**	**NaN**	**30**	**2.485**	**0.9584**	**unknown**	**ShapiroWilk**
Chloromethane (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	2.574	0.8706	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	2.574	0.8706	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-219A	No	n/a	n/a	NP (nrm)	NaN	30	2.486	0.9562	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	2.574	0.8706	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	1.944	1.103	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Chloromethane (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	1.653	1.127	unknown	ShapiroWilk
Chloromethane (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	1.653	1.127	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	39	0.9797	0.1265	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9506	0.1852	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9737	0.1442	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	0.939	0.194	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9227	0.2327	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.8785	0.2967	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	29	1	0	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9463	0.2043	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9473	0.204	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9745	0.1419	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9728	0.1467	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9781	0.1317	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.9573	0.1811	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	0.9605	0.1744	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.945	0.4156	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9728	0.1467	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9728	0.1467	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9718	0.1493	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	**MW-208B**	**Yes**	**0.177,0.224,...**	**4/4/2016,10/11/2017,4/...**	**NP (nrm)**	**NaN**	**27**	**0.8273**	**0.3101**	**unknown**	**ShapiroWilk**
cis-1,2-Dichloroethene (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9718	0.1493	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9707	0.152	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9718	0.1493	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	0.9535	0.1887	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9604	0.17	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9521	0.1914	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9718	0.1491	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.9012	0.2698	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.8947	0.278	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9684	0.158	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9684	0.158	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9473	0.2004	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9473	0.2004	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9473	0.2004	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9473	0.2004	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9473	0.2004	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-18AR	No	n/a	n/a	NP (nrm)	NaN	14	2.357	2.072	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.8025	0.3657	unknown	ShapiroWilk
cis-1,2-Dichloroethene (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.8025	0.3657	unknown	ShapiroWilk
Delta-BHC (ug/L)	MW-34A (bg)	No	n/a	n/a	NP (nrm)	NaN	4	0.03218	0.00035	unknown	ShapiroWilk
Delta-BHC (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	0.02554	0.01278	unknown	ShapiroWilk
Delta-BHC (ug/L)	MW-5B	No	n/a	n/a	EPA 1989	0.05	5	0.0319	0.001876	normal	ShapiroWilk
Delta-BHC (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	6	0.03177	0.001316	unknown	ShapiroWilk
Delta-BHC (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	7	0.03183	0.001135	unknown	ShapiroWilk
Delta-BHC (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	4	0.03693	0.008753	unknown	ShapiroWilk
Delta-BHC (ug/L)	MW-14B	No	n/a	n/a	EPA 1989	0.05	5	0.03184	0.001842	normal	ShapiroWilk
Delta-BHC (ug/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	5	0.02568	0.01298	unknown	ShapiroWilk
Delta-BHC (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	0.03192	0.002247	unknown	ShapiroWilk
Delta-BHC (ug/L)	MW-24A	n/a	n/a	n/a	EPA 1989	0.05	5	0.03166	0.00159	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Delta-BHC (ug/L)	MW-25A-00	No	n/a	n/a	EPA 1989	0.05	5	0.032	0.001991	normal	ShapiroWilk
Delta-BHC (ug/L)	MW-29A	n/a	n/a	n/a	EPA 1989	0.05	5	0.03172	0.001881	unknown	ShapiroWilk
Delta-BHC (ug/L)	MW-31B	No	n/a	n/a	NP (nrm)	NaN	5	0.02566	0.01283	unknown	ShapiroWilk
Delta-BHC (ug/L)	MW-201A	No	n/a	n/a	EPA 1989	0.05	4	0.032	0.002128	normal	ShapiroWilk
Delta-BHC (ug/L)	MW-202A	No	n/a	n/a	EPA 1989	0.05	4	0.03155	0.002044	normal	ShapiroWilk
Delta-BHC (ug/L)	MW-203A	No	n/a	n/a	EPA 1989	0.05	4	0.03155	0.00187	normal	ShapiroWilk
Delta-BHC (ug/L)	**MW-204A**	**Yes**	**0.00307**	**10/5/2015**	**Dixon`s**	**0.05**	**4**	**0.02447**	**0.01435**	**normal**	**ShapiroWilk**
Delta-BHC (ug/L)	MW-208B	No	n/a	n/a	EPA 1989	0.05	4	0.01908	0.01426	normal	ShapiroWilk
Delta-BHC (ug/L)	MW-210B	No	n/a	n/a	EPA 1989	0.05	4	0.03165	0.002001	normal	ShapiroWilk
Delta-BHC (ug/L)	MW-215A	No	n/a	n/a	Dixon`s	0.05	4	0.03155	0.001816	normal	ShapiroWilk
Delta-BHC (ug/L)	MW-214A	No	n/a	n/a	EPA 1989	0.05	4	0.03218	0.002472	normal	ShapiroWilk
Delta-BHC (ug/L)	**MW-218A**	**Yes**	**0.242,0.0711**	**7/10/2013,5/1/2023**	**NP (nrm)**	**NaN**	**14**	**0.05034**	**0.05611**	**unknown**	**ShapiroWilk**
Dichlorodifluoromethane (ug/L)	MW-34A (bg)	No	n/a	n/a	NP (nrm)	NaN	14	3	0	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	2.65	1.41	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	5	2.45	1.23	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	5	2.45	1.23	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	5	1.938	1.456	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	4	2.5	1	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	5	2.45	1.23	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-17A-00	No	n/a	n/a	EPA 1989	0.05	5	1.478	1.413	ln(x)	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	2.45	1.23	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	5	2.45	1.23	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	5	2.45	1.23	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	5	2.45	1.23	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-31B	No	n/a	n/a	NP (nrm)	NaN	5	2.45	1.23	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-201A	No	n/a	n/a	NP (nrm)	NaN	4	2.313	1.375	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-202A	No	n/a	n/a	NP (nrm)	NaN	4	2.313	1.375	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	2.313	1.375	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-204A	No	n/a	n/a	NP (nrm)	NaN	4	2.313	1.375	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-208B	No	n/a	n/a	EPA 1989	0.05	4	1.804	1.412	normal	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	2.313	1.375	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-215A	No	n/a	n/a	NP (nrm)	NaN	4	2.313	1.375	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-214A	No	n/a	n/a	NP (nrm)	NaN	4	2.313	1.375	unknown	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-200A	No	n/a	n/a	EPA 1989	0.05	26	2.18	1.047	ln(x)	ShapiroWilk
Dichlorodifluoromethane (ug/L)	MW-18AR	No	n/a	n/a	EPA 1989	0.05	14	13.57	8.334	normal	ShapiroWilk
Endrin (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	0.03092	0.003192	unknown	ShapiroWilk
Endrin (ug/L)	**MW-5B**	**Yes**	**0.0252**	**5/6/2025**	**Dixon`s**	**0.05**	**5**	**0.03118**	**0.003419**	**normal**	**ShapiroWilk**
Endrin (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	6	0.03117	0.002728	unknown	ShapiroWilk
Endrin (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	7	0.0313	0.002473	unknown	ShapiroWilk
Endrin (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	4	0.03693	0.008753	unknown	ShapiroWilk
Endrin (ug/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	5	0.02572	0.01188	unknown	ShapiroWilk
Endrin (ug/L)	**MW-17A-00**	**Yes**	**0.0255**	**4/23/2025**	**Dixon`s**	**0.05**	**5**	**0.0311**	**0.003177**	**normal**	**ShapiroWilk**
Endrin (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	0.03122	0.003743	unknown	ShapiroWilk
Endrin (ug/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	5	0.03094	0.003148	unknown	ShapiroWilk
Endrin (ug/L)	**MW-25A-00**	**Yes**	**0.0253**	**5/8/2025**	**Dixon`s**	**0.05**	**5**	**0.03128**	**0.003484**	**normal**	**ShapiroWilk**
Endrin (ug/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	5	0.03102	0.003383	unknown	ShapiroWilk
Endrin (ug/L)	**MW-31B**	**Yes**	**0.0251**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**0.03096**	**0.003305**	**normal**	**ShapiroWilk**
Endrin (ug/L)	**MW-201A**	**Yes**	**0.0254**	**5/6/2025**	**Dixon`s**	**0.05**	**4**	**0.0311**	**0.003869**	**normal**	**ShapiroWilk**
Endrin (ug/L)	**MW-202A**	**Yes**	**0.0251**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**0.03068**	**0.003758**	**normal**	**ShapiroWilk**
Endrin (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	0.03065	0.003619	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Endrin (ug/L)	**MW-204A**	**Yes**	**0.0258**	**4/24/2025**	**Dixon`s**	**0.05**	**4**	**0.03103**	**0.003527**	**normal**	**ShapiroWilk**
Endrin (ug/L)	MW-208B	No	n/a	n/a	NP (nrm)	NaN	21	0.0711	0.1171	unknown	ShapiroWilk
Endrin (ug/L)	MW-210B	n/a	n/a	n/a	EPA 1989	0.05	4	0.03075	0.003721	unknown	ShapiroWilk
Endrin (ug/L)	**MW-215A**	**Yes**	**0.0253**	**5/7/2025**	**Dixon`s**	**0.05**	**4**	**0.03065**	**0.003591**	**normal**	**ShapiroWilk**
Endrin (ug/L)	MW-214A	No	n/a	n/a	EPA 1989	0.05	4	0.03128	0.004148	normal	ShapiroWilk
Endrin aldehyde (ug/L)	MW-34A (bg)	No	n/a	n/a	NP (nrm)	NaN	9	0.032	0	unknown	ShapiroWilk
Endrin aldehyde (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	0.03074	0.003589	unknown	ShapiroWilk
Endrin aldehyde (ug/L)	**MW-5B**	**Yes**	**0.0243**	**5/6/2025**	**Dixon`s**	**0.05**	**5**	**0.031**	**0.003814**	**normal**	**ShapiroWilk**
Endrin aldehyde (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	6	0.031	0.00313	unknown	ShapiroWilk
Endrin aldehyde (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	7	0.02811	0.008209	unknown	ShapiroWilk
Endrin aldehyde (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	4	0.02693	0.01131	unknown	ShapiroWilk
Endrin aldehyde (ug/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	5	0.03094	0.003749	unknown	ShapiroWilk
Endrin aldehyde (ug/L)	**MW-17A-00**	**Yes**	**0.0245**	**4/23/2025**	**Dixon`s**	**0.05**	**5**	**0.0309**	**0.003619**	**normal**	**ShapiroWilk**
Endrin aldehyde (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	0.03104	0.004136	unknown	ShapiroWilk
Endrin aldehyde (ug/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	5	0.03076	0.003544	unknown	ShapiroWilk
Endrin aldehyde (ug/L)	**MW-25A-00**	**Yes**	**0.0244**	**5/8/2025**	**Dixon`s**	**0.05**	**5**	**0.0311**	**0.003872**	**normal**	**ShapiroWilk**
Endrin aldehyde (ug/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	5	0.03084	0.003778	unknown	ShapiroWilk
Endrin aldehyde (ug/L)	**MW-31B**	**Yes**	**0.0242**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**0.03078**	**0.003704**	**normal**	**ShapiroWilk**
Endrin aldehyde (ug/L)	**MW-201A**	**Yes**	**0.0245**	**5/6/2025**	**Dixon`s**	**0.05**	**4**	**0.03088**	**0.004312**	**normal**	**ShapiroWilk**
Endrin aldehyde (ug/L)	**MW-202A**	**Yes**	**0.0242**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**0.03045**	**0.004204**	**normal**	**ShapiroWilk**
Endrin aldehyde (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	0.03043	0.004063	unknown	ShapiroWilk
Endrin aldehyde (ug/L)	**MW-204A**	**Yes**	**0.0249**	**4/24/2025**	**Dixon`s**	**0.05**	**4**	**0.0308**	**0.003972**	**normal**	**ShapiroWilk**
Endrin aldehyde (ug/L)	MW-208B	No	n/a	n/a	EPA 1989	0.05	4	0.0268	0.01198	normal	ShapiroWilk
Endrin aldehyde (ug/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	0.03053	0.004161	unknown	ShapiroWilk
Endrin aldehyde (ug/L)	**MW-215A**	**Yes**	**0.0244**	**5/7/2025**	**Dixon`s**	**0.05**	**4**	**0.03043**	**0.004038**	**normal**	**ShapiroWilk**
Endrin aldehyde (ug/L)	MW-214A	No	n/a	n/a	Dixon`s	0.05	4	0.03105	0.004582	normal	ShapiroWilk
Endrin aldehyde (ug/L)	MW-38A (bg)	No	n/a	n/a	NP (nrm)	NaN	4	0.0365	0.009	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9808	0.115	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	1.017	0.2899	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	1.01	0.2254	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	1.01	0.2254	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	1.011	0.2293	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.8938	0.2591	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	1.034	0.1857	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.977	0.126	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	1.01	0.2216	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9777	0.1239	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.011	0.2293	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	1.009	0.2052	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.9627	0.1582	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	0.9905	0.2235	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9885	0.2467	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.011	0.2293	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.011	0.2293	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	32	1.175	0.7452	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	1.011	0.238	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	1.011	0.2335	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9744	0.1328	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9754	0.1304	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	0.9594	0.1648	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Ethylbenzene (ug/L)	MW-205A	No	n/a	n/a	NP (nrm)	NaN	27	1	0	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9582	0.1672	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	28	1	0	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.9138	0.2357	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.908	0.2428	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9724	0.138	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9724	0.138	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.954	0.1751	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.954	0.1751	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.954	0.1751	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.954	0.1751	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.954	0.1751	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	0.9014	0.2506	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.8275	0.3194	unknown	ShapiroWilk
Ethylbenzene (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.8275	0.3194	unknown	ShapiroWilk
Heptachlor (ug/L)	MW-34A (bg)	No	n/a	n/a	NP (nrm)	NaN	9	0.032	0	unknown	ShapiroWilk
Heptachlor (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	0.03002	0.005185	unknown	ShapiroWilk
Heptachlor (ug/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	5	0.02442	0.0127	unknown	ShapiroWilk
Heptachlor (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	6	0.0304	0.004586	unknown	ShapiroWilk
Heptachlor (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	7	0.03064	0.004192	unknown	ShapiroWilk
Heptachlor (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	4	0.03693	0.008753	unknown	ShapiroWilk
Heptachlor (ug/L)	MW-14B	n/a	n/a	n/a	EPA 1989	0.05	5	0.02468	0.01237	unknown	ShapiroWilk
Heptachlor (ug/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	5	0.02497	0.0114	unknown	ShapiroWilk
Heptachlor (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	0.03034	0.005677	unknown	ShapiroWilk
Heptachlor (ug/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	5	0.03004	0.00514	unknown	ShapiroWilk
Heptachlor (ug/L)	**MW-25A-00**	**Yes**	**0.0208**	**5/8/2025**	**Dixon`s**	**0.05**	**5**	**0.03038**	**0.005444**	**normal**	**ShapiroWilk**
Heptachlor (ug/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	5	0.03012	0.005368	unknown	ShapiroWilk
Heptachlor (ug/L)	**MW-31B**	**Yes**	**0.0206**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**0.03006**	**0.005306**	**normal**	**ShapiroWilk**
Heptachlor (ug/L)	**MW-201A**	**Yes**	**0.0209**	**5/6/2025**	**Dixon`s**	**0.05**	**4**	**0.02998**	**0.006093**	**normal**	**ShapiroWilk**
Heptachlor (ug/L)	**MW-202A**	**Yes**	**0.0206**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**0.02955**	**0.005992**	**normal**	**ShapiroWilk**
Heptachlor (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	0.0295	0.005899	unknown	ShapiroWilk
Heptachlor (ug/L)	**MW-204A**	**Yes**	**0.0212**	**4/24/2025**	**Dixon`s**	**0.05**	**4**	**0.02988**	**0.00581**	**normal**	**ShapiroWilk**
Heptachlor (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	11	0.02945	0.007543	unknown	ShapiroWilk
Heptachlor (ug/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	0.02963	0.005938	unknown	ShapiroWilk
Heptachlor (ug/L)	**MW-215A**	**Yes**	**0.0208**	**5/7/2025**	**Dixon`s**	**0.05**	**4**	**0.02953**	**0.005832**	**normal**	**ShapiroWilk**
Heptachlor (ug/L)	**MW-214A**	**Yes**	**0.0208**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**0.03015**	**0.00634**	**normal**	**ShapiroWilk**
Isobutanol (mg/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	8.48	3.399	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-5B	No	n/a	n/a	NP (nrm)	NaN	5	8.48	3.399	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	5	8.48	3.399	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	5	8.48	3.399	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	4	7.75	4.5	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	5	8.48	3.399	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	5	8.48	3.399	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	8.48	3.399	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	5	8.48	3.399	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	5	8.48	3.399	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	5	8.48	3.399	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-31B	No	n/a	n/a	NP (nrm)	NaN	5	8.48	3.399	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-201A	No	n/a	n/a	NP (nrm)	NaN	4	8.1	3.8	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-202A	No	n/a	n/a	NP (nrm)	NaN	4	8.1	3.8	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Isobutanol (mg/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	8.1	3.8	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-204A	No	n/a	n/a	NP (nrm)	NaN	4	8.1	3.8	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-208B	No	n/a	n/a	NP (nrm)	NaN	4	8.1	3.8	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	8.1	3.8	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-215A	No	n/a	n/a	NP (nrm)	NaN	4	8.1	3.8	unknown	ShapiroWilk
Isobutanol (mg/L)	MW-214A	No	n/a	n/a	NP (nrm)	NaN	4	8.1	3.8	unknown	ShapiroWilk
m/p-Cresol (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	4	10.1	0.2	unknown	ShapiroWilk
m/p-Cresol (ug/L)	MW-5B	No	n/a	n/a	EPA 1989	0.05	4	10.17	0.2062	normal	ShapiroWilk
m/p-Cresol (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	4	10.1	0.2	unknown	ShapiroWilk
m/p-Cresol (ug/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	4	10.05	0.1	unknown	ShapiroWilk
m/p-Cresol (ug/L)	MW-12B	No	n/a	n/a	EPA 1989	0.05	4	9.75	1.258	normal	ShapiroWilk
m/p-Cresol (ug/L)	**MW-14B**	**Yes**	**20**	**4/14/2009**	**Dixon`s**	**0.05**	**4**	**12.63**	**4.918**	**normal**	**ShapiroWilk**
m/p-Cresol (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	4	10.2	0.2309	unknown	ShapiroWilk
m/p-Cresol (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	4	10.2	0.4	unknown	ShapiroWilk
m/p-Cresol (ug/L)	MW-24A	No	n/a	n/a	EPA 1989	0.05	4	10.2	0.2449	normal	ShapiroWilk
m/p-Cresol (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	4	10.25	0.2887	unknown	ShapiroWilk
m/p-Cresol (ug/L)	MW-29A	No	n/a	n/a	EPA 1989	0.05	4	10.1	0.1414	normal	ShapiroWilk
m/p-Cresol (ug/L)	MW-31B	No	n/a	n/a	EPA 1989	0.05	4	10.28	0.3775	normal	ShapiroWilk
m/p-Cresol (ug/L)	**MW-219A**	**Yes**	**2250**	**7/10/2013**	**Dixon`s**	**0.05**	**6**	**383.6**	**914.4**	**normal**	**ShapiroWilk**
O-Toluidine (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	8.684	3.171	unknown	ShapiroWilk
O-Toluidine (ug/L)	**MW-5B**	**Yes**	**3.02**	**5/6/2025**	**Dixon`s**	**0.05**	**5**	**8.744**	**3.205**	**normal**	**ShapiroWilk**
O-Toluidine (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	5	8.684	3.171	unknown	ShapiroWilk
O-Toluidine (ug/L)	MW-8B	No	n/a	n/a	NP (nrm)	NaN	5	8.644	3.145	unknown	ShapiroWilk
O-Toluidine (ug/L)	MW-12B	No	n/a	n/a	EPA 1989	0.05	4	9.75	1.258	normal	ShapiroWilk
O-Toluidine (ug/L)	MW-14B	No	n/a	n/a	EPA 1989	0.05	5	10.7	6.049	normal	ShapiroWilk
O-Toluidine (ug/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	5	8.764	3.217	unknown	ShapiroWilk
O-Toluidine (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	8.728	3.31	unknown	ShapiroWilk
O-Toluidine (ug/L)	**MW-24A**	**Yes**	**2.96**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**8.752**	**3.245**	**normal**	**ShapiroWilk**
O-Toluidine (ug/L)	MW-25A-00	No	n/a	n/a	NP (nrm)	NaN	5	8.818	3.212	unknown	ShapiroWilk
O-Toluidine (ug/L)	**MW-29A**	**Yes**	**2.96**	**5/5/2025**	**Dixon`s**	**0.05**	**5**	**8.672**	**3.195**	**normal**	**ShapiroWilk**
O-Toluidine (ug/L)	**MW-31B**	**Yes**	**3.09**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**8.838**	**3.23**	**normal**	**ShapiroWilk**
O-Toluidine (ug/L)	**MW-201A**	**Yes**	**3.02**	**5/6/2025**	**Dixon`s**	**0.05**	**4**	**8.555**	**3.704**	**normal**	**ShapiroWilk**
O-Toluidine (ug/L)	**MW-202A**	**Yes**	**3.02**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**8.505**	**3.665**	**normal**	**ShapiroWilk**
O-Toluidine (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	8.522	3.629	unknown	ShapiroWilk
O-Toluidine (ug/L)	MW-204A	No	n/a	n/a	EPA 1989	0.05	4	6.075	4.651	normal	ShapiroWilk
O-Toluidine (ug/L)	**MW-208B**	**Yes**	**2.96**	**4/25/2025**	**Dixon`s**	**0.05**	**4**	**8.565**	**3.755**	**normal**	**ShapiroWilk**
O-Toluidine (ug/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	8.325	3.622	unknown	ShapiroWilk
O-Toluidine (ug/L)	**MW-215A**	**Yes**	**3.09**	**5/7/2025**	**Dixon`s**	**0.05**	**4**	**8.397**	**3.542**	**normal**	**ShapiroWilk**
O-Toluidine (ug/L)	**MW-214A**	**Yes**	**3.02**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**8.63**	**3.768**	**normal**	**ShapiroWilk**
O-Toluidine (ug/L)	**MW-219A**	**Yes**	**658**	**7/10/2013**	**Dixon`s**	**0.05**	**6**	**118.2**	**264.4**	**normal**	**ShapiroWilk**
Phenol (ug/L)	MW-1B	n/a	n/a	n/a	EPA 1989	0.05	5	10.31	6.671	unknown	ShapiroWilk
Phenol (ug/L)	MW-5B	No	n/a	n/a	Dixon`s	0.05	5	10.37	6.669	normal	ShapiroWilk
Phenol (ug/L)	MW-7B1	n/a	n/a	n/a	EPA 1989	0.05	5	10.31	6.671	unknown	ShapiroWilk
Phenol (ug/L)	MW-8B	n/a	n/a	n/a	EPA 1989	0.05	5	10.27	6.671	unknown	ShapiroWilk
Phenol (ug/L)	MW-12B	No	n/a	n/a	EPA 1989	0.05	4	12.25	5.315	normal	ShapiroWilk
Phenol (ug/L)	MW-14B	No	n/a	n/a	EPA 1989	0.05	5	14.33	14.87	ln(x)	ShapiroWilk
Phenol (ug/L)	MW-17A-00	n/a	n/a	n/a	EPA 1989	0.05	5	10.39	6.669	unknown	ShapiroWilk
Phenol (ug/L)	MW-23A	n/a	n/a	n/a	EPA 1989	0.05	5	10.38	6.699	unknown	ShapiroWilk
Phenol (ug/L)	MW-24A	No	n/a	n/a	Dixon`s	0.05	5	10.38	6.679	normal	ShapiroWilk
Phenol (ug/L)	MW-25A-00	n/a	n/a	n/a	EPA 1989	0.05	5	10.43	6.662	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Phenol (ug/L)	MW-29A	No	n/a	n/a	Dixon`s	0.05	5	10.3	6.68	normal	ShapiroWilk
Phenol (ug/L)	MW-31B	No	n/a	n/a	Dixon`s	0.05	5	10.45	6.665	normal	ShapiroWilk
Phenol (ug/L)	**MW-201A**	**Yes**	**1.15**	**5/6/2025**	**Dixon`s**	**0.05**	**4**	**8.087**	**4.637**	**normal**	**ShapiroWilk**
Phenol (ug/L)	**MW-202A**	**Yes**	**1.15**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**8.037**	**4.598**	**normal**	**ShapiroWilk**
Phenol (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	8.042	4.588	unknown	ShapiroWilk
Phenol (ug/L)	**MW-204A**	**Yes**	**1.15**	**4/24/2025**	**Dixon`s**	**0.05**	**4**	**7.888**	**4.493**	**normal**	**ShapiroWilk**
Phenol (ug/L)	**MW-208B**	**Yes**	**1.12**	**4/25/2025**	**Dixon`s**	**0.05**	**4**	**8.105**	**4.671**	**normal**	**ShapiroWilk**
Phenol (ug/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	7.875	4.521	unknown	ShapiroWilk
Phenol (ug/L)	**MW-215A**	**Yes**	**1.17**	**5/7/2025**	**Dixon`s**	**0.05**	**4**	**7.917**	**4.502**	**normal**	**ShapiroWilk**
Phenol (ug/L)	**MW-214A**	**Yes**	**1.15**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**8.162**	**4.697**	**normal**	**ShapiroWilk**
Phenol (ug/L)	**MW-219A**	**Yes**	**3010**	**7/10/2013**	**Dixon`s**	**0.05**	**6**	**510.2**	**1225**	**normal**	**ShapiroWilk**
Tetrachloroethene (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	39	0.9867	0.08327	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9711	0.1208	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9827	0.09494	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9827	0.09494	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9821	0.09656	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.92	0.1953	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	29	1	0	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9827	0.09494	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9832	0.09339	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9832	0.09339	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9821	0.09656	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9856	0.08667	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.9719	0.1192	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	0.974	0.1148	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9632	0.2997	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	1.017	0.2123	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	29	0.8682	0.3591	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	1.017	0.2162	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	1.018	0.2203	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	1.017	0.2162	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	1.018	0.2203	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	1.017	0.2162	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	0.9841	0.2324	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	1.037	0.1925	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9988	0.2194	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	28	1.036	0.189	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.935	0.1776	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9641	0.1341	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9792	0.104	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9792	0.104	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9653	0.1319	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9653	0.1319	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9653	0.1319	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9653	0.1319	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9653	0.1319	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	**MW-18AR**	**Yes**	**7.43**	**10/1/2019**	**Dixon`s**	**0.05**	**14**	**4.551**	**0.985**	**normal**	**ShapiroWilk**
Tetrachloroethene (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.87	0.2407	unknown	ShapiroWilk
Tetrachloroethene (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.87	0.2407	unknown	ShapiroWilk
Toluene (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9842	0.095	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Toluene (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	1.054	0.5338	unknown	ShapiroWilk
Toluene (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9664	0.2303	unknown	ShapiroWilk
Toluene (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	0.981	0.1041	unknown	ShapiroWilk
Toluene (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9528	0.1793	unknown	ShapiroWilk
Toluene (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	14	1.012	0.4264	unknown	ShapiroWilk
Toluene (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	29	1	0	unknown	ShapiroWilk
Toluene (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.981	0.1041	unknown	ShapiroWilk
Toluene (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9816	0.1024	unknown	ShapiroWilk
Toluene (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	1.113	0.7415	unknown	ShapiroWilk
Toluene (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9803	0.1058	unknown	ShapiroWilk
Toluene (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9842	0.095	unknown	ShapiroWilk
Toluene (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.9692	0.1307	unknown	ShapiroWilk
Toluene (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	0.9715	0.1258	unknown	ShapiroWilk
Toluene (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9442	0.18	unknown	ShapiroWilk
Toluene (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9803	0.1058	unknown	ShapiroWilk
Toluene (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9803	0.1058	unknown	ShapiroWilk
Toluene (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9796	0.1077	unknown	ShapiroWilk
Toluene (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9789	0.1097	unknown	ShapiroWilk
Toluene (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9664	0.1262	unknown	ShapiroWilk
Toluene (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9789	0.1097	unknown	ShapiroWilk
Toluene (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9796	0.1077	unknown	ShapiroWilk
Toluene (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	0.9665	0.1361	unknown	ShapiroWilk
Toluene (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9698	0.2424	unknown	ShapiroWilk
Toluene (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9407	0.1939	unknown	ShapiroWilk
Toluene (ug/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	28	1	0	unknown	ShapiroWilk
Toluene (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.9288	0.1947	unknown	ShapiroWilk
Toluene (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.8773	0.2555	unknown	ShapiroWilk
Toluene (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9772	0.114	unknown	ShapiroWilk
Toluene (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9772	0.114	unknown	ShapiroWilk
Toluene (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.962	0.1446	unknown	ShapiroWilk
Toluene (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.962	0.1446	unknown	ShapiroWilk
Toluene (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.962	0.1446	unknown	ShapiroWilk
Toluene (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.962	0.1446	unknown	ShapiroWilk
Toluene (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.962	0.1446	unknown	ShapiroWilk
Toluene (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	0.9186	0.207	unknown	ShapiroWilk
Toluene (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.8575	0.2639	unknown	ShapiroWilk
Toluene (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.8575	0.2639	unknown	ShapiroWilk
Toxaphene (ug/L)	MW-34A (bg)	No	n/a	n/a	NP (nrm)	NaN	7	2	0	unknown	ShapiroWilk
Toxaphene (ug/L)	MW-1B	No	n/a	n/a	NP (nrm)	NaN	5	1.797	0.5003	unknown	ShapiroWilk
Toxaphene (ug/L)	**MW-5B**	**Yes**	**0.9**	**5/6/2025**	**Dixon`s**	**0.05**	**5**	**1.814**	**0.513**	**normal**	**ShapiroWilk**
Toxaphene (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	19	1.97	0.268	unknown	ShapiroWilk
Toxaphene (ug/L)	**MW-8B**	**Yes**	**12.3,4.34,4....**	**4/14/2009,9/2/2009,10/...**	**NP (nrm)**	**NaN**	**20**	**2.827**	**2.417**	**unknown**	**ShapiroWilk**
Toxaphene (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	4	1.577	0.9198	unknown	ShapiroWilk
Toxaphene (ug/L)	MW-14B	No	n/a	n/a	NP (nrm)	NaN	5	1.811	0.5098	unknown	ShapiroWilk
Toxaphene (ug/L)	**MW-17A-00**	**Yes**	**0.909**	**4/23/2025**	**Dixon`s**	**0.05**	**5**	**1.806**	**0.5024**	**normal**	**ShapiroWilk**
Toxaphene (ug/L)	MW-23A	No	n/a	n/a	NP (nrm)	NaN	5	1.82	0.5275	unknown	ShapiroWilk
Toxaphene (ug/L)	MW-24A	No	n/a	n/a	NP (nrm)	NaN	5	1.797	0.499	unknown	ShapiroWilk
Toxaphene (ug/L)	**MW-25A-00**	**Yes**	**0.904**	**5/8/2025**	**Dixon`s**	**0.05**	**5**	**1.819**	**0.5151**	**normal**	**ShapiroWilk**
Toxaphene (ug/L)	MW-29A	No	n/a	n/a	NP (nrm)	NaN	5	1.805	0.5107	unknown	ShapiroWilk
Toxaphene (ug/L)	**MW-31B**	**Yes**	**0.897**	**5/7/2025**	**Dixon`s**	**0.05**	**5**	**1.799**	**0.5051**	**normal**	**ShapiroWilk**

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

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Toxaphene (ug/L)	**MW-201A**	**Yes**	**0.907**	**5/6/2025**	**Dixon`s**	**0.05**	**4**	**1.774**	**0.58**	**normal**	**ShapiroWilk**
Toxaphene (ug/L)	**MW-202A**	**Yes**	**0.895**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**1.749**	**0.5702**	**normal**	**ShapiroWilk**
Toxaphene (ug/L)	MW-203A	No	n/a	n/a	NP (nrm)	NaN	4	1.745	0.5636	unknown	ShapiroWilk
Toxaphene (ug/L)	**MW-204A**	**Yes**	**0.921**	**4/24/2025**	**Dixon`s**	**0.05**	**4**	**1.765**	**0.5639**	**normal**	**ShapiroWilk**
Toxaphene (ug/L)	MW-208B	No	n/a	n/a	Dixon`s	0.05	4	1.848	0.6506	normal	ShapiroWilk
Toxaphene (ug/L)	MW-210B	No	n/a	n/a	NP (nrm)	NaN	4	1.753	0.5687	unknown	ShapiroWilk
Toxaphene (ug/L)	**MW-215A**	**Yes**	**0.904**	**5/7/2025**	**Dixon`s**	**0.05**	**4**	**1.746**	**0.5619**	**normal**	**ShapiroWilk**
Toxaphene (ug/L)	**MW-214A**	**Yes**	**0.904**	**4/23/2025**	**Dixon`s**	**0.05**	**4**	**1.784**	**0.5905**	**normal**	**ShapiroWilk**
trans-1,2-Dichloroethene (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9797	0.1217	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9594	0.1696	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9757	0.1333	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9757	0.1333	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9748	0.1356	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.8877	0.2741	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	29	1	0	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9757	0.1333	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9765	0.1311	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9765	0.1311	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9748	0.1356	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9797	0.1217	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.9605	0.1673	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	0.9635	0.1611	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9558	0.1769	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9748	0.1356	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9748	0.1356	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9739	0.138	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	0.973	0.1405	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9739	0.138	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.973	0.1405	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9739	0.138	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	0.9571	0.1743	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-205A	No	n/a	n/a	NP (nrm)	NaN	27	1	0	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9558	0.1769	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	28	1	0	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.9088	0.2493	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	0.9027	0.2569	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9708	0.146	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9708	0.146	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9513	0.1852	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9513	0.1852	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9513	0.1852	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9513	0.1852	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9513	0.1852	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	0.8957	0.2651	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.8175	0.3379	unknown	ShapiroWilk
trans-1,2-Dichloroethene (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.8175	0.3379	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	39	0.9854	0.09127	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9683	0.1324	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.981	0.1041	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	0.981	0.1041	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Trichloroethene (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9803	0.1058	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.9123	0.2141	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	29	1	0	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.981	0.1041	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9816	0.1024	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9816	0.1024	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9803	0.1058	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9842	0.095	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.9692	0.1307	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	0.9715	0.1258	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	1.137	0.8309	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9803	0.1058	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9803	0.1058	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9796	0.1077	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9789	0.1097	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9796	0.1077	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9789	0.1097	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9796	0.1077	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	0.9488	0.167	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9778	0.1155	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9473	0.1694	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	28	1	0	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.9288	0.1947	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9607	0.147	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9772	0.114	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9772	0.114	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.962	0.1446	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.962	0.1446	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.962	0.1446	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.962	0.1446	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.962	0.1446	unknown	ShapiroWilk
Trichloroethene (ug/L)	**MW-18AR**	**Yes**	**5.08**	**10/1/2019**	**Dixon`s**	**0.05**	**14**	**1.873**	**1.024**	**normal**	**ShapiroWilk**
Trichloroethene (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.8575	0.2639	unknown	ShapiroWilk
Trichloroethene (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.8575	0.2639	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	36	3.733	0.9029	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	3.466	1.218	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	3.779	0.8437	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	3.779	0.8437	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	3.772	0.8576	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	2.751	1.656	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	3.793	0.7736	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	3.779	0.8437	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-17A-00	No	n/a	n/a	NP (nrm)	NaN	31	2.583	1.813	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	3.786	0.8305	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	3.772	0.8576	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	3.566	1.1	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	3.48	1.204	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	3.519	1.165	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	3.417	1.262	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	3.772	0.8576	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Trichlorofluoromethane (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	3.772	0.8576	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	3.764	0.8722	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	3.755	0.8875	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	3.764	0.8722	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	3.755	0.8875	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	3.764	0.8722	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	2.877	1.661	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	3.778	0.8006	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	3.417	1.262	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	28	3.786	0.7868	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	2.985	1.565	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	2.917	1.595	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	3.615	1.069	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	3.615	1.069	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	3.359	1.311	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	3.359	1.311	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	3.359	1.311	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	3.359	1.311	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	3.359	1.311	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-18AR	No	n/a	n/a	EPA 1989	0.05	14	6.056	6.469	ln(x)	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	1.97	1.7	unknown	ShapiroWilk
Trichlorofluoromethane (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	1.97	1.7	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	39	0.979	0.1313	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9544	0.1905	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9727	0.1497	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-7B1	No	n/a	n/a	NP (nrm)	NaN	30	0.8181	0.313	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9442	0.2086	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	0.8738	0.3079	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-12B	No	n/a	n/a	NP (nrm)	NaN	29	1	0	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9727	0.1497	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9735	0.1473	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	0.9735	0.1473	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9717	0.1523	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	0.9772	0.1367	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	0.9557	0.188	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	0.959	0.181	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9503	0.1987	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9717	0.1523	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9717	0.1523	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9707	0.155	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9364	0.2295	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9707	0.155	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	0.9696	0.1578	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	0.9707	0.155	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	0.9518	0.1958	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-205A	No	n/a	n/a	NP (nrm)	NaN	27	1	0	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	0.9503	0.1987	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-213A	No	n/a	n/a	NP (nrm)	NaN	28	1	0	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	0.8975	0.2801	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	29	0.9434	0.2115	unknown	ShapiroWilk

Outlier Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 11:32 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Vinyl Chloride (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9672	0.164	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	0.9672	0.164	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9453	0.208	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9453	0.208	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9453	0.208	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9453	0.208	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	0.9453	0.208	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-18AR	No	n/a	n/a	NP (nrm)	NaN	14	0.7078	0.3612	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	0.795	0.3796	unknown	ShapiroWilk
Vinyl Chloride (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	0.795	0.3796	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-34A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	32	3.138	1.696	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-1B	n/a	n/a	n/a	NP (nrm)	NaN	36	2.911	1.003	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-5B	n/a	n/a	n/a	NP (nrm)	NaN	30	3.28	1.814	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-7B1	n/a	n/a	n/a	NP (nrm)	NaN	30	3.28	1.814	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-8B	n/a	n/a	n/a	NP (nrm)	NaN	29	3.29	1.845	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-10B	n/a	n/a	n/a	NP (nrm)	NaN	13	2.369	0.9724	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-12B	n/a	n/a	n/a	NP (nrm)	NaN	29	3.345	1.778	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-14B	n/a	n/a	n/a	NP (nrm)	NaN	30	3.18	1.74	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-17A-00	n/a	n/a	n/a	NP (nrm)	NaN	31	3.271	1.784	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-23A	n/a	n/a	n/a	NP (nrm)	NaN	31	3.174	1.711	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-24A	n/a	n/a	n/a	NP (nrm)	NaN	29	3.29	1.845	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-25A-00	n/a	n/a	n/a	NP (nrm)	NaN	36	3.15	1.69	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-29A	n/a	n/a	n/a	NP (nrm)	NaN	37	3.022	1.663	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-31B	n/a	n/a	n/a	NP (nrm)	NaN	40	3.07	1.659	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-201A	n/a	n/a	n/a	NP (nrm)	NaN	33	3.176	1.9	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-202A	n/a	n/a	n/a	NP (nrm)	NaN	29	3.29	1.845	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-203A	n/a	n/a	n/a	NP (nrm)	NaN	29	3.393	1.911	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-204A	n/a	n/a	n/a	NP (nrm)	NaN	28	3.134	2.055	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-208B	n/a	n/a	n/a	NP (nrm)	NaN	27	2.978	0.8026	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-210B	n/a	n/a	n/a	NP (nrm)	NaN	28	3.3	1.878	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-215A	n/a	n/a	n/a	NP (nrm)	NaN	27	3.348	1.916	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-214A	n/a	n/a	n/a	NP (nrm)	NaN	28	3.336	1.882	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-200A	n/a	n/a	n/a	NP (nrm)	NaN	34	2.994	1.728	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-205A	n/a	n/a	n/a	NP (nrm)	NaN	27	3.259	1.767	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-211B	n/a	n/a	n/a	NP (nrm)	NaN	33	2.994	1.755	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-213A	n/a	n/a	n/a	NP (nrm)	NaN	28	3.25	1.735	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-310A	n/a	n/a	n/a	NP (nrm)	NaN	16	2.488	0.9062	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-312A	n/a	n/a	n/a	NP (nrm)	NaN	15	2.453	0.9273	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-38A (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	2.816	0.5742	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-39B (bg)	n/a	n/a	n/a	NP (nrm)	NaN	25	2.816	0.5742	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-216A	n/a	n/a	n/a	NP (nrm)	NaN	30	2.693	0.7119	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-217A	n/a	n/a	n/a	NP (nrm)	NaN	30	2.693	0.7119	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-218A	n/a	n/a	n/a	NP (nrm)	NaN	30	2.693	0.7119	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-219A	n/a	n/a	n/a	NP (nrm)	NaN	30	2.693	0.7119	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-220A	n/a	n/a	n/a	NP (nrm)	NaN	30	2.693	0.7119	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-18AR	n/a	n/a	n/a	NP (nrm)	NaN	14	2.271	0.9236	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-408	No	n/a	n/a	NP (nrm)	NaN	8	1.975	1.077	unknown	ShapiroWilk
Xylenes, Total (ug/L)	MW-410	No	n/a	n/a	NP (nrm)	NaN	8	1.975	1.077	unknown	ShapiroWilk

Groundwater Monitoring Wells –

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/15/2025, 10:27 AM

	MW-205A Antimony (mg/L)	MW-213A Antimony (mg/L)	MW-6B Arsenic (mg/L)	MW-8B Arsenic (mg/L)	MW-15A Arsenic (mg/L)	MW-203A Arsenic (mg/L)	MW-209B Arsenic (mg/L)	MW-214A Arsenic (mg/L)	MW-200A Arsenic (mg/L)	MW-220A Arsenic (mg/L)
2/27/2008										
5/12/2008										
7/13/2008										
9/14/2008										
11/17/2008										
4/14/2009										
7/7/2009										
9/2/2009										
10/25/2009						0.0089 (o)				
1/2/2010										
3/3/2010						0.0057 (o)			0.026 (o)	
5/10/2010										
9/13/2010	0.00656 (o)	0.0145 (o)							0.012 (o)	
4/4/2011								0.014 (o)		
10/13/2011										
12/5/2011										
4/11/2012			0.0073 (o)							
8/1/2012										
10/11/2012				0.14 (o)						
12/13/2012										0.00968 (o)
2/4/2013										
3/30/2013										
7/10/2013										
10/7/2013										
6/2/2014							0.191 (o)			
10/15/2014							<0.005 (o)			
4/6/2015										
10/5/2015										
4/4/2016										
10/17/2016										
4/17/2017										
4/23/2018					0.0634 (o)					
4/25/2018										
5/1/2018										
5/2/2018										
10/16/2018										
4/16/2019										
10/1/2019										
3/30/2020										
4/13/2021										
5/2/2022										
10/14/2022										
5/1/2023										
10/16/2023										
4/29/2024										

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/15/2025, 10:27 AM

	MW-7C Arsenic (mg/L)	MW-1A Barium (mg/L)	MW-2A-97 Barium (mg/L)	MW-8B Barium (mg/L)	MW-17A-00 Barium (mg/L)	MW-23A Barium (mg/L)	MW-210B Barium (mg/L)	MW-212A Barium (mg/L)	MW-214A Barium (mg/L)	MW-200A Barium (mg/L)
2/27/2008		1.05 (o)								
5/12/2008										
7/13/2008										
9/14/2008										
11/17/2008										
4/14/2009										
7/7/2009					0.16 (o)					
9/2/2009						0.467 (o)				
10/25/2009										
1/2/2010										
3/3/2010										1.46 (o)
5/10/2010						0.625 (o)				
9/13/2010										
4/4/2011										
10/13/2011								2.33 (o)		
12/5/2011										
4/11/2012										
8/1/2012										
10/11/2012				3.83 (o)						
12/13/2012										
2/4/2013										
3/30/2013										
7/10/2013										
10/7/2013										
6/2/2014										
10/15/2014										
4/6/2015										
10/5/2015										
4/4/2016										
10/17/2016									0.0572 (o)	
4/17/2017									0.514 (o)	
4/23/2018										
4/25/2018										
5/1/2018										
5/2/2018										
10/16/2018										
4/16/2019	0.00551 (o)		0.687 (o)							
10/1/2019										
3/30/2020										
4/13/2021							0.665 (o)			
5/2/2022	0.0045 (o)									
10/14/2022										
5/1/2023										
10/16/2023										
4/29/2024										

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/15/2025, 10:27 AM

	MW-216A Barium (mg/L)	MW-217A Barium (mg/L)	MW-220A Barium (mg/L)	MW-200A Beryllium (mg/L)	MW-38A Beryllium (mg/L)	MW-216A Beryllium (mg/L)	MW-15A Cadmium (mg/L)	MW-212A Cadmium (mg/L)	MW-214A Cadmium (mg/L)	MW-211B Cadmium (mg/L)
2/27/2008										
5/12/2008										
7/13/2008										
9/14/2008										
11/17/2008							0.00276 (o)			
4/14/2009										
7/7/2009										
9/2/2009										
10/25/2009										
1/2/2010										
3/3/2010				0.0129 (o)						
5/10/2010										
9/13/2010										
4/4/2011										
10/13/2011								0.00388 (o)	0.00229 (o)	
12/5/2011										
4/11/2012										
8/1/2012										
10/11/2012						0.00758 (o)				0.00449 (o)
12/13/2012		0.616 (o)	1.85 (o)							
2/4/2013			1.35 (o)			0.00999 (o)				
3/30/2013										
7/10/2013	1.42 (o)									
10/7/2013		1.82 (o)			0.00163 (o)					
6/2/2014										
10/15/2014										
4/6/2015										
10/5/2015										
4/4/2016										
10/17/2016										
4/17/2017										
4/23/2018										
4/25/2018										
5/1/2018										
5/2/2018										
10/16/2018										
4/16/2019										
10/1/2019										
3/30/2020										
4/13/2021										
5/2/2022										
10/14/2022										
5/1/2023										
10/16/2023										
4/29/2024										

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/15/2025, 10:27 AM

	MW-217A Cadmium (mg/L)	MW-219A Cadmium (mg/L)	MW-408 Cadmium (mg/L)	MW-209B Chromium (mg/L)	MW-200A Chromium (mg/L)	MW-216A Chromium (mg/L)	MW-217A Chromium (mg/L)	MW-220A Chromium (mg/L)	MW-1A Cobalt (mg/L)	MW-2A-97 Cobalt (mg/L)
2/27/2008									0.0411 (o)	
5/12/2008										
7/13/2008									0.02 (o)	
9/14/2008										
11/17/2008										
4/14/2009										
7/7/2009										
9/2/2009										<0.02 (o)
10/25/2009										
1/2/2010										
3/3/2010					0.9 (o)					
5/10/2010										
9/13/2010										
4/4/2011										
10/13/2011										
12/5/2011										
4/11/2012										
8/1/2012		0.000638 (o)								
10/11/2012										
12/13/2012						0.0367 (o)	0.0661 (o)	0.242 (o)		
2/4/2013										
3/30/2013										
7/10/2013										
10/7/2013	0.00181 (o)						0.0224 (o)			
6/2/2014										
10/15/2014										
4/6/2015										
10/5/2015										
4/4/2016										
10/17/2016										
4/17/2017										
4/23/2018										
4/25/2018										
5/1/2018										
5/2/2018										
10/16/2018				0.00519 (o)						
4/16/2019										
10/1/2019										
3/30/2020										
4/13/2021										
5/2/2022										
10/14/2022			0.0008 (o)							
5/1/2023										
10/16/2023										
4/29/2024									0.0211 (o)	

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/15/2025, 10:27 AM

	MW-7B1 Cobalt (mg/L)	MW-209B Cobalt (mg/L)	MW-200A Cobalt (mg/L)	MW-310A Cobalt (mg/L)	MW-217A Cobalt (mg/L)	MW-408 Cobalt (mg/L)	MW-34A Copper (mg/L)	MW-5B Copper (mg/L)	MW-10B Copper (mg/L)	MW-201A Copper (mg/L)
2/27/2008								0.032 (o)	0.029 (o)	
5/12/2008							0.03 (o)		0.037 (o)	
7/13/2008										
9/14/2008										
11/17/2008										
4/14/2009										
7/7/2009										
9/2/2009										
10/25/2009										
1/2/2010										0.2 (o)
3/3/2010			0.0916 (o)							
5/10/2010										
9/13/2010										
4/4/2011										
10/13/2011										
12/5/2011				0.00415 (o)						
4/11/2012	0.00631 (o)									
8/1/2012										
10/11/2012				0.00173 (o)						
12/13/2012					0.0405 (o)					
2/4/2013										
3/30/2013		0.00482 (o)								
7/10/2013										
10/7/2013					0.134 (o)					
6/2/2014										
10/15/2014										
4/6/2015										
10/5/2015										
4/4/2016										
10/17/2016										
4/17/2017										
4/23/2018										
4/25/2018										
5/1/2018										
5/2/2018										
10/16/2018										
4/16/2019										
10/1/2019										
3/30/2020										
4/13/2021										
5/2/2022										
10/14/2022		0.0036 (o)		0.0062 (o)		0.0189 (o)				
5/1/2023										
10/16/2023										
4/29/2024										

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/15/2025, 10:27 AM

	MW-208B Copper (mg/L)	MW-210B Copper (mg/L)	MW-212A Copper (mg/L)	MW-200A Copper (mg/L)	MW-39B Copper (mg/L)	MW-216A Copper (mg/L)	MW-220A Copper (mg/L)	MW-18AR Copper (mg/L)	MW-29A Cyanide (mg/L)	MW-8B Lead (mg/L)
2/27/2008										
5/12/2008										
7/13/2008										
9/14/2008										
11/17/2008										
4/14/2009										
7/7/2009										
9/2/2009										0.0067 (o)
10/25/2009										
1/2/2010										
3/3/2010				0.63 (o)						
5/10/2010									0.154 (o)	
9/13/2010										
4/4/2011										
10/13/2011			0.149 (o)							
12/5/2011										
4/11/2012										
8/1/2012										
10/11/2012										
12/13/2012						0.0466 (o)	0.431 (o)			
2/4/2013							0.326 (o)			
3/30/2013										
7/10/2013						0.0501 (o)				
10/7/2013						0.0201 (o)				
6/2/2014										
10/15/2014	0.00488 (Jo)									
4/6/2015	0.00145 (Jo)									
10/5/2015	0.0023 (o)									
4/4/2016	0.00124 (Jo)									
10/17/2016	0.00122 (Jo)									
4/17/2017										
4/23/2018										
4/25/2018										
5/1/2018										
5/2/2018										
10/16/2018	0.00184 (Jo)				0.0129 (o)					
4/16/2019										
10/1/2019								0.00303 (Jo)		
3/30/2020										
4/13/2021		0.0101 (o)								
5/2/2022										
10/14/2022								0.0048 (o)		
5/1/2023										
10/16/2023										
4/29/2024										

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/15/2025, 10:27 AM

	MW-11B Lead (mg/L)	MW-210B Lead (mg/L)	MW-212A Lead (mg/L)	MW-200A Lead (mg/L)	MW-23A Nickel (mg/L)	MW-31B Nickel (mg/L)	MW-200A Nickel (mg/L)	MW-213A Nickel (mg/L)	MW-220A Nickel (mg/L)	MW-408 Nickel (mg/L)
2/27/2008						0.038 (o)				
5/12/2008										
7/13/2008					0.013 (o)					
9/14/2008	0.023 (o)									
11/17/2008										
4/14/2009										
7/7/2009										
9/2/2009										
10/25/2009					0.012 (o)					
1/2/2010										
3/3/2010				0.31 (o)			0.62 (o)			
5/10/2010										
9/13/2010								0.039 (o)		
4/4/2011										
10/13/2011		0.00912 (o)	0.0349 (o)							
12/5/2011										
4/11/2012										
8/1/2012										
10/11/2012		0.00622 (o)	0.0131 (o)							
12/13/2012									0.205 (o)	
2/4/2013										
3/30/2013			0.0109 (o)							
7/10/2013										
10/7/2013										
6/2/2014										
10/15/2014										
4/6/2015										
10/5/2015										
4/4/2016										
10/17/2016										
4/17/2017										
4/23/2018										
4/25/2018										
5/1/2018										
5/2/2018										
10/16/2018										
4/16/2019										
10/1/2019										
3/30/2020										
4/13/2021										
5/2/2022										
10/14/2022										0.0191 (o)
5/1/2023										
10/16/2023										
4/29/2024										

Flagged_Outliers

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/15/2025, 10:27 AM

	MW-209B Selenium (mg/L)	MW-408 Selenium (mg/L)	MW-8B Silver (mg/L)	MW-208B Silver (mg/L)	MW-209B Silver (mg/L)	MW-6B Sulfide (mg/L)	MW-8B Sulfide (mg/L)	MW-207A Sulfide (mg/L)	MW-216A Sulfide (mg/L)	MW-219A Sulfide (mg/L)
2/27/2008										
5/12/2008										
7/13/2008										
9/14/2008										
11/17/2008										
4/14/2009										
7/7/2009										
9/2/2009				0.018 (o)	0.017 (o)					
10/25/2009										
1/2/2010										
3/3/2010										
5/10/2010	0.011 (o)									
9/13/2010										
4/4/2011										
10/13/2011										
12/5/2011										
4/11/2012										
8/1/2012										
10/11/2012			0.0308 (o)							
12/13/2012										
2/4/2013										
3/30/2013										
7/10/2013										
10/7/2013										
6/2/2014										
10/15/2014										
4/6/2015										
10/5/2015										
4/4/2016										
10/17/2016										
4/17/2017										
4/23/2018										
4/25/2018							15.7 (o)			
5/1/2018									4.45 (o)	
5/2/2018										13.5 (o)
10/16/2018										
4/16/2019										
10/1/2019										
3/30/2020						7.37 (o)		2.08 (o)		
4/13/2021										
5/2/2022										
10/14/2022										
5/1/2023										
10/16/2023										
4/29/2024		0.0371 (o)			0.00911 (o)					

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/15/2025, 10:27 AM

	MW-1A Thallium (mg/L)	MW-6B Thallium (mg/L)	MW-12B Tin (mg/L)	MW-1A Vanadium (mg/L)	MW-6B Vanadium (mg/L)	MW-8B Vanadium (mg/L)	MW-31B Vanadium (mg/L)	MW-200A Vanadium (mg/L)	MW-211B Vanadium (mg/L)	MW-39B Vanadium (mg/L)
2/27/2008				0.135 (o)			0.0642 (o)			
5/12/2008										
7/13/2008										
9/14/2008										
11/17/2008										
4/14/2009						0.0624 (o)				
7/7/2009										
9/2/2009										
10/25/2009										
1/2/2010										
3/3/2010								0.128 (o)		
5/10/2010										
9/13/2010										
4/4/2011										
10/13/2011										
12/5/2011										
4/11/2012										
8/1/2012										
10/11/2012									0.129 (o)	
12/13/2012										
2/4/2013										
3/30/2013										
7/10/2013										
10/7/2013			0.587 (o)							
6/2/2014										
10/15/2014										
4/6/2015										
10/5/2015										
4/4/2016										
10/17/2016										
4/17/2017										
4/23/2018										
4/25/2018										
5/1/2018										
5/2/2018										
10/16/2018					0.00357 (Jo)					0.0302 (o)
4/16/2019										
10/1/2019										
3/30/2020										
4/13/2021										
5/2/2022										
10/14/2022										
5/1/2023		0.00434 (o)								
10/16/2023	0.0136 (o)									
4/29/2024										

Flagged_Outliers

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/15/2025, 10:27 AM

	MW-217A Vanadium (mg/L)	MW-218A Vanadium (mg/L)	MW-219A Vanadium (mg/L)	MW-220A Vanadium (mg/L)	MW-1A Zinc (mg/L)	MW-31B Zinc (mg/L)	MW-214A Zinc (mg/L)	MW-200A Zinc (mg/L)	MW-38A Zinc (mg/L)	MW-220A Zinc (mg/L)
2/27/2008					0.229 (o)	0.101 (o)				
5/12/2008										
7/13/2008										
9/14/2008										
11/17/2008										
4/14/2009										
7/7/2009										
9/2/2009										
10/25/2009										
1/2/2010										
3/3/2010								1.38 (o)		
5/10/2010							0.506 (o)			
9/13/2010										
4/4/2011										
10/13/2011										
12/5/2011										
4/11/2012										
8/1/2012										
10/11/2012										
12/13/2012	0.118 (o)			0.427 (o)						0.54 (o)
2/4/2013				0.12 (o)						
3/30/2013										
7/10/2013										
10/7/2013	0.154 (o)					0.161 (o)			0.18 (o)	
6/2/2014										
10/15/2014										
4/6/2015										
10/5/2015										
4/4/2016										
10/17/2016										
4/17/2017										
4/23/2018										
4/25/2018										
5/1/2018										
5/2/2018										
10/16/2018										
4/16/2019										
10/1/2019										
3/30/2020					0.272 (o)					
4/13/2021										
5/2/2022										
10/14/2022										
5/1/2023										
10/16/2023		0.00325 (Jo)	0.00332 (Jo)							
4/29/2024										

Flagged_Outliers

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:04 AM

	MW-201A 1,1-Dichloroethane (ug/L)	MW-219A 2,4-Dimethylphenol (ug/L)	MW-216A 2-Butanone [MEK] (ug/L)	MW-219A 2-Methylnaphthalene (ug/L)	MW-219A 2-Methylphenol (ug/L)	MW-208B 4,4'-DDD (ug/L)	MW-8B Acetone (ug/L)	MW-23A Acetone (ug/L)	MW-219A Benzyl alcohol (ug/L)	MW-1B Carbon Tetrachloride (ug/L)
9/14/2008										
4/14/2009										
7/7/2009	6.37 (o)									
10/25/2009								19.3 (o)		
3/30/2013										7.84 (o)
7/10/2013		443 (o)		156 (o)	1780 (o)				146 (o)	
10/15/2014						0.302 (o)				
4/25/2018							30.3 (o)			
10/16/2018										
10/1/2019										
10/7/2020			11.6 (o)							
10/9/2024										

	MW-18AR cis-1,2-Dichloroethene (ug/L)	MW-218A Delta-BHC (ug/L)	MW-208B Endrin (ug/L)	MW-204A Ethylbenzene (ug/L)	MW-219A m/p-Cresol (ug/L)	MW-219A O-Toluidine (ug/L)	MW-219A Phenol (ug/L)	MW-18AR Tetrachloroethene (ug/L)	MW-1B Toluene (ug/L)	MW-5B Toluene (ug/L)
9/14/2008										
4/14/2009										
7/7/2009				5.01 (o)						
10/25/2009										
3/30/2013										
7/10/2013		0.242 (o)			2250 (o)	658 (o)	3010 (o)			
10/15/2014			0.56 (o)							
4/25/2018										
10/16/2018										1.82 (o)
10/1/2019	9.09 (o)							7.43 (o)		
10/7/2020									4.07 (o)	
10/9/2024										

Flagged_Outliers

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:04 AM

	MW-10B Toluene (ug/L)	MW-23A Toluene (ug/L)	MW-8B Toxaphene (ug/L)	MW-18AR Trichloroethene (ug/L)	MW-18AR Trichlorofluoromethane (ug/L)	MW-204A Xylenes, Total (ug/L)
9/14/2008		5.07 (o)				
4/14/2009			12.3 (o)			
7/7/2009						5.98 (o)
10/25/2009						
3/30/2013						
7/10/2013						
10/15/2014						
4/25/2018						
10/16/2018						
10/1/2019				5.08 (o)	26.7 (o)	
10/7/2020						
10/9/2024	2.31 (o)					

Groundwater Monitoring Wells –

Time Series

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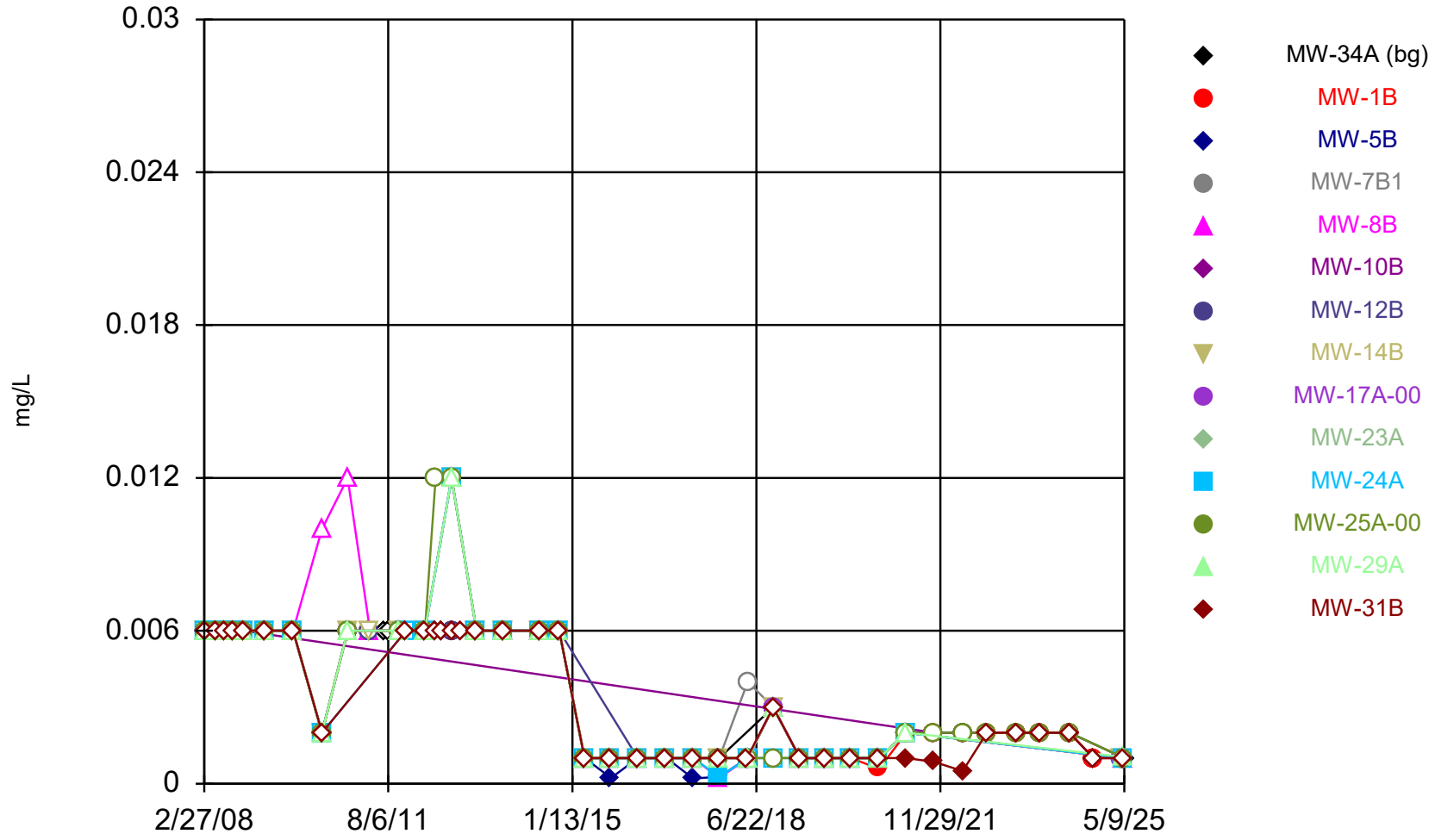
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony Analysis Run 7/13/2025 8:08 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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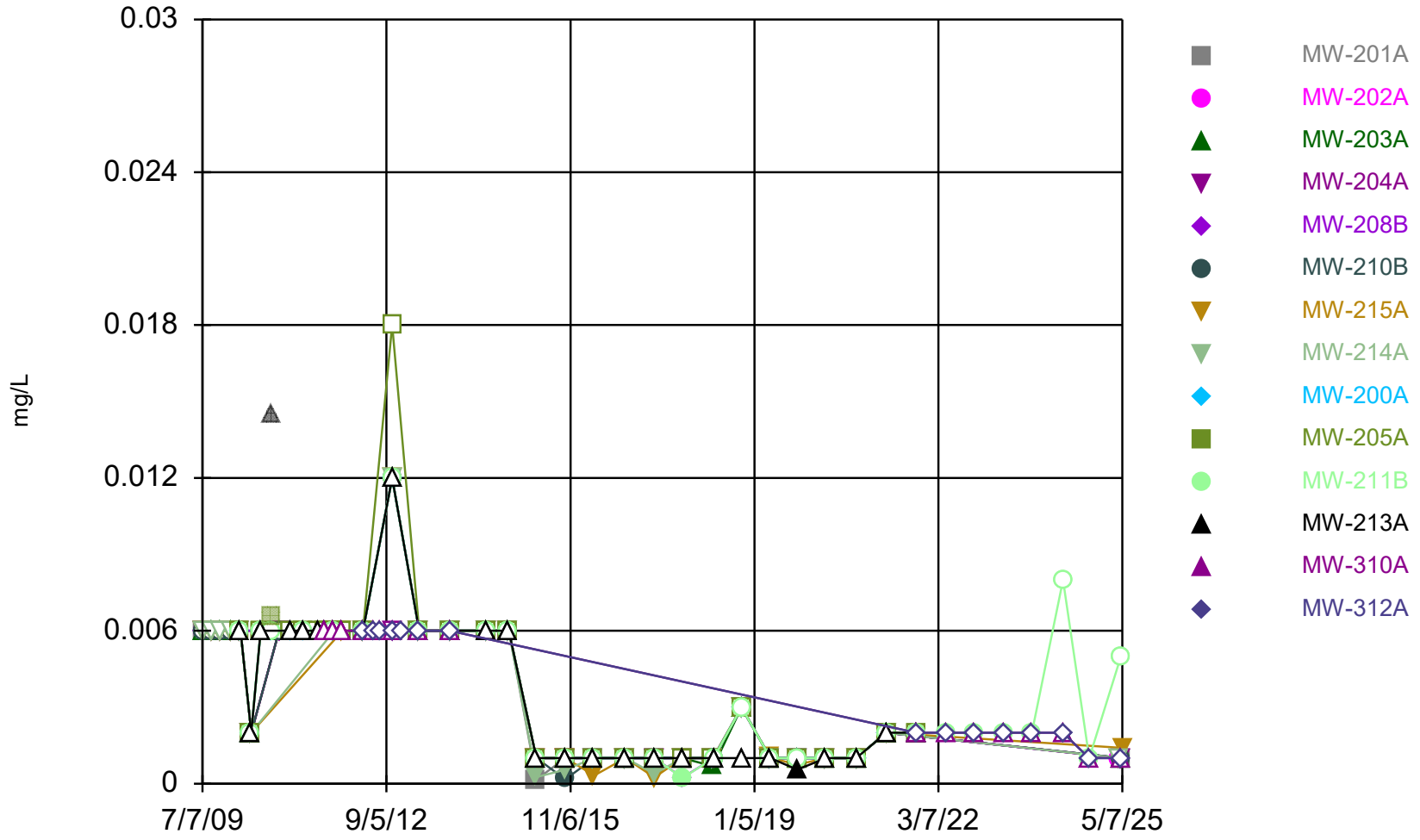
Hollow symbols indicate censored values.

Time Series



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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Hollow symbols indicate censored values.

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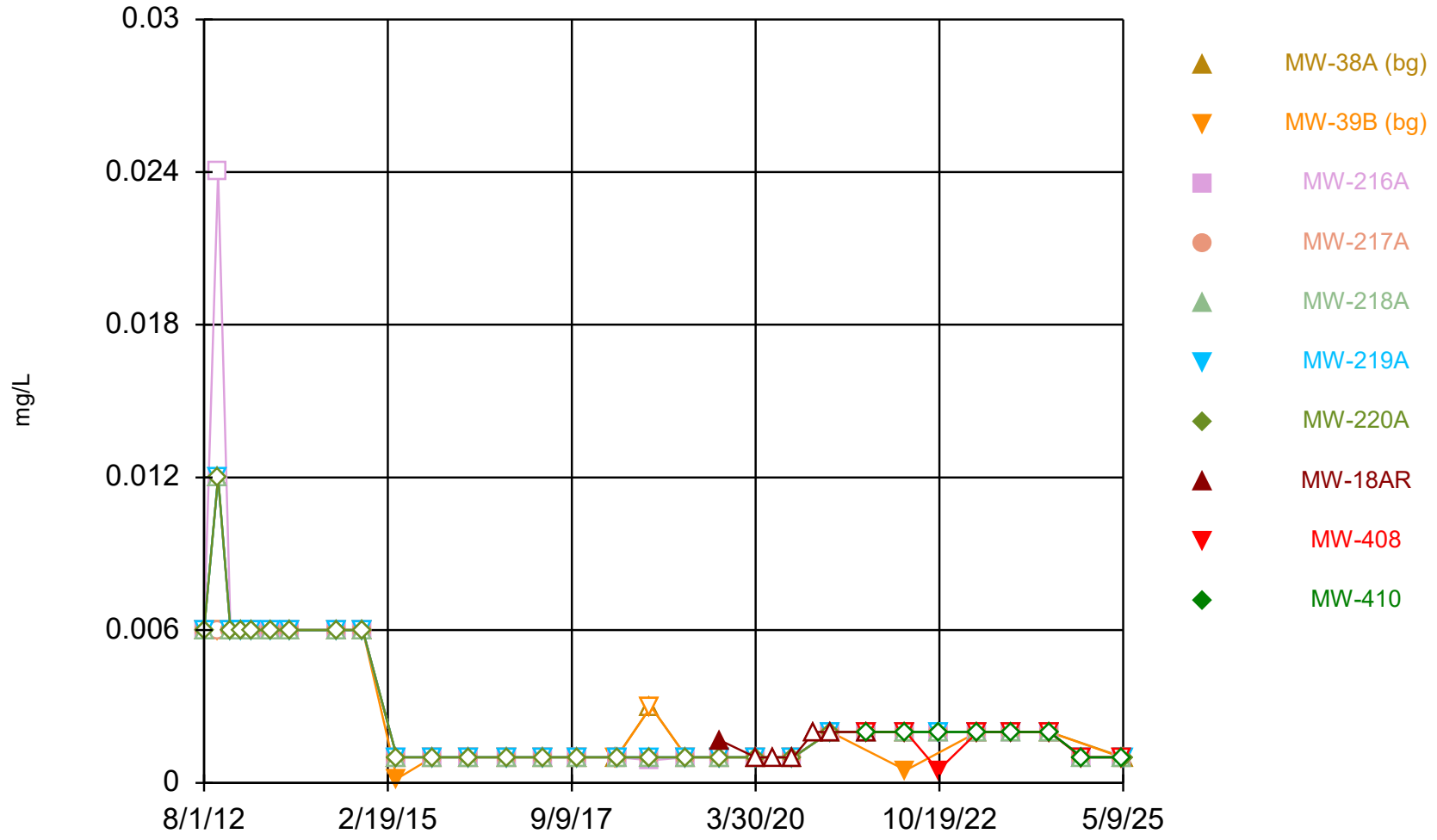

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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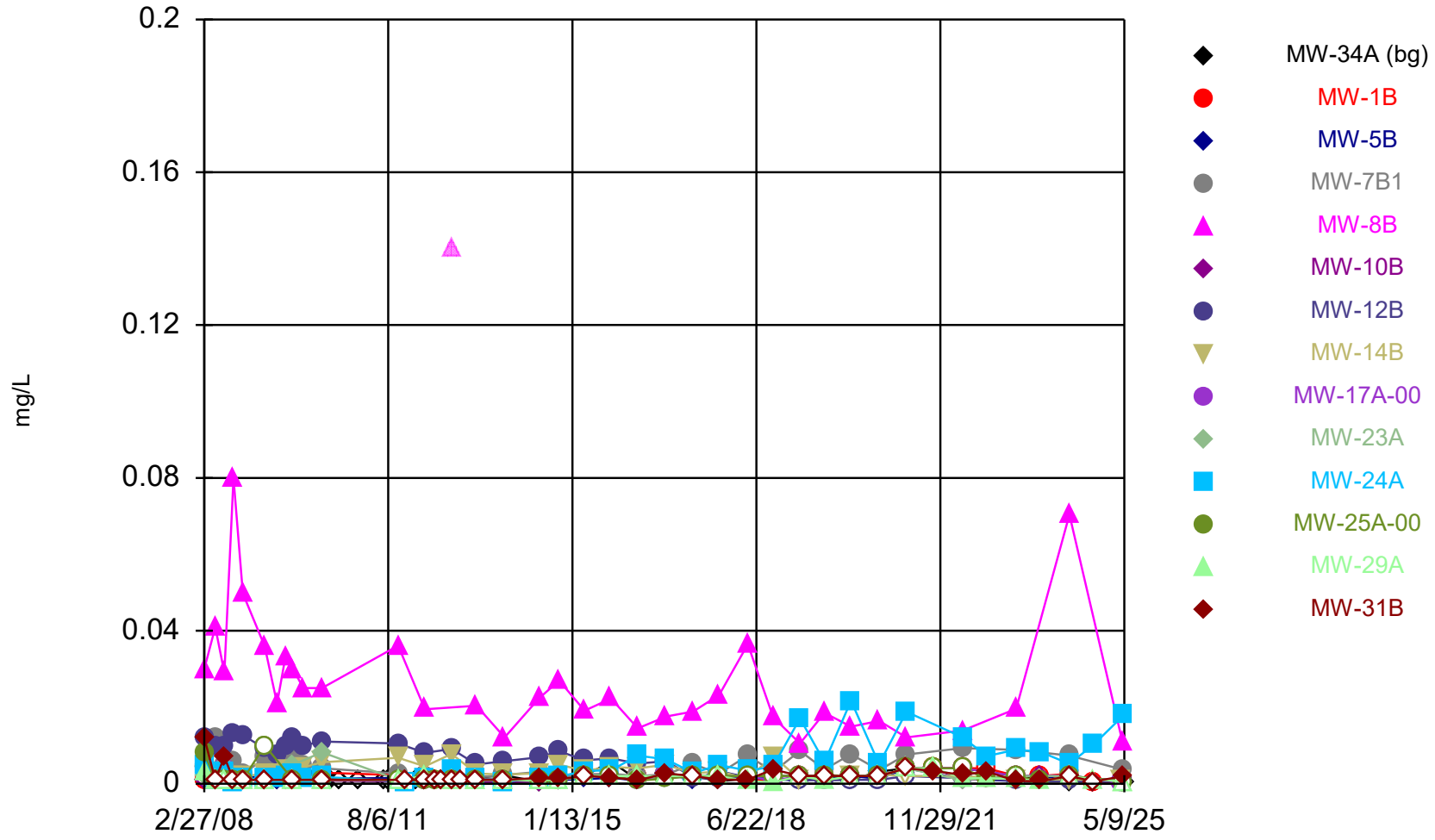
Hollow symbols indicate censored values.

Time Series



Constituent: Arsenic Analysis Run 7/13/2025 8:08 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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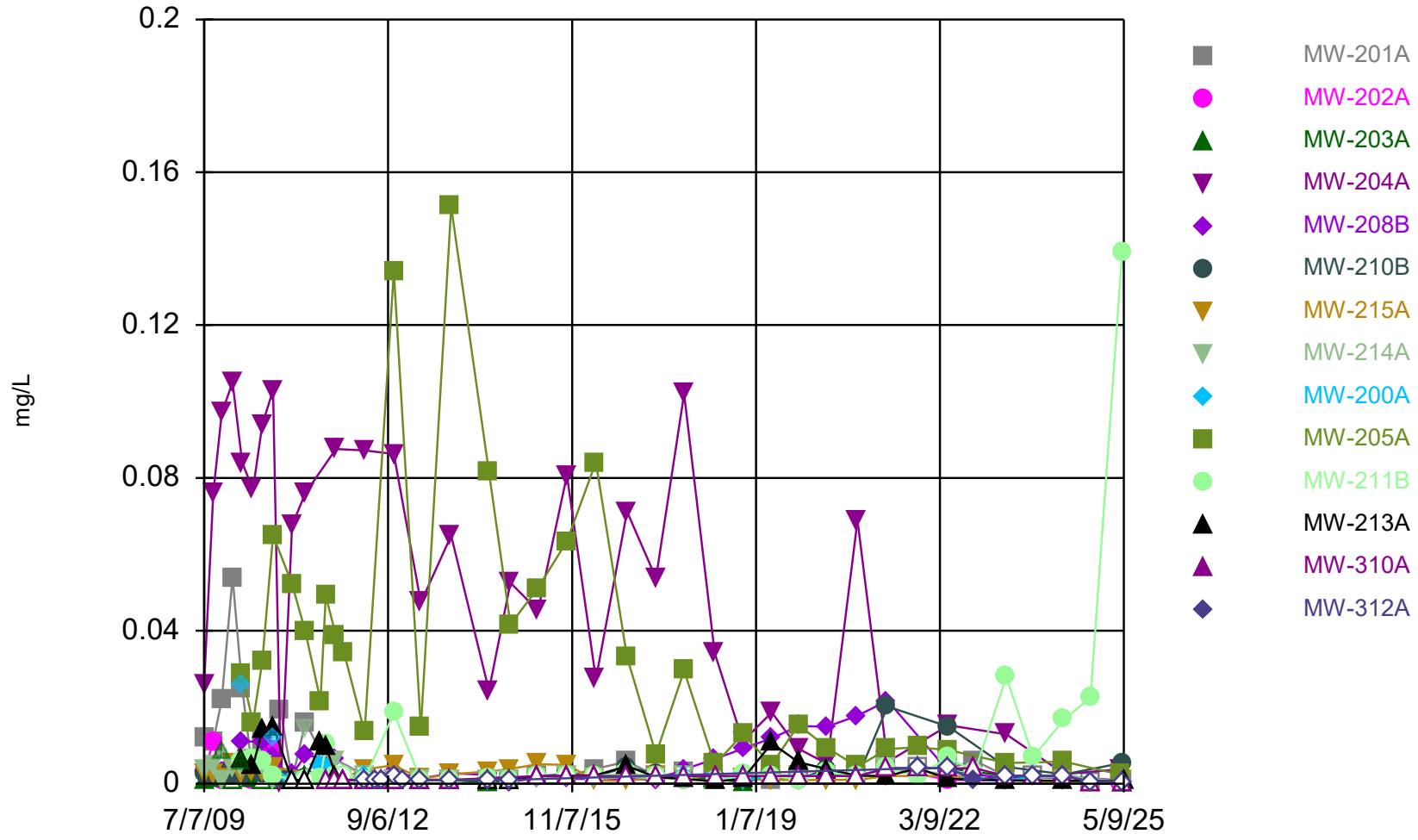
Hollow symbols indicate censored values.

Time Series



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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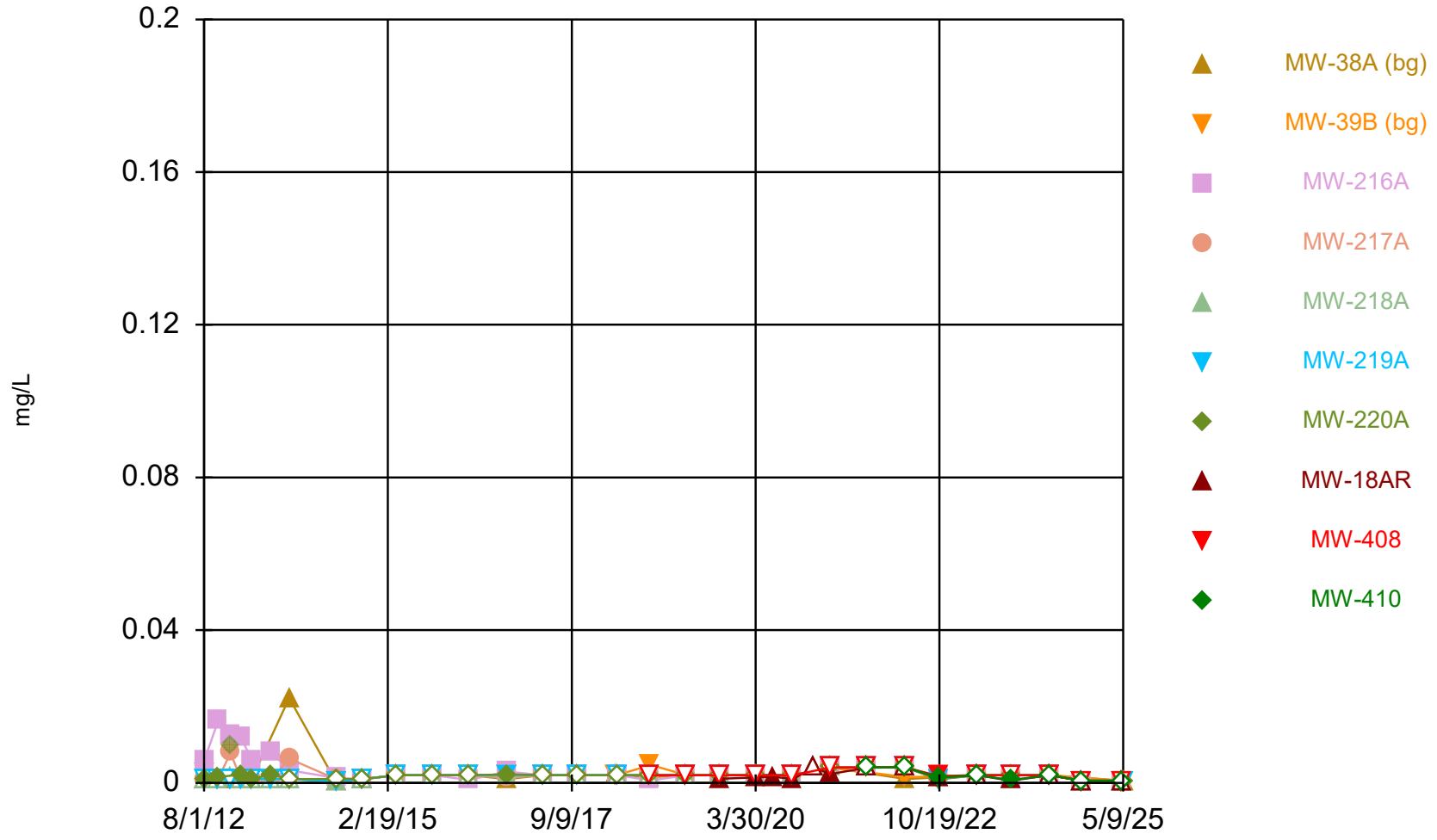

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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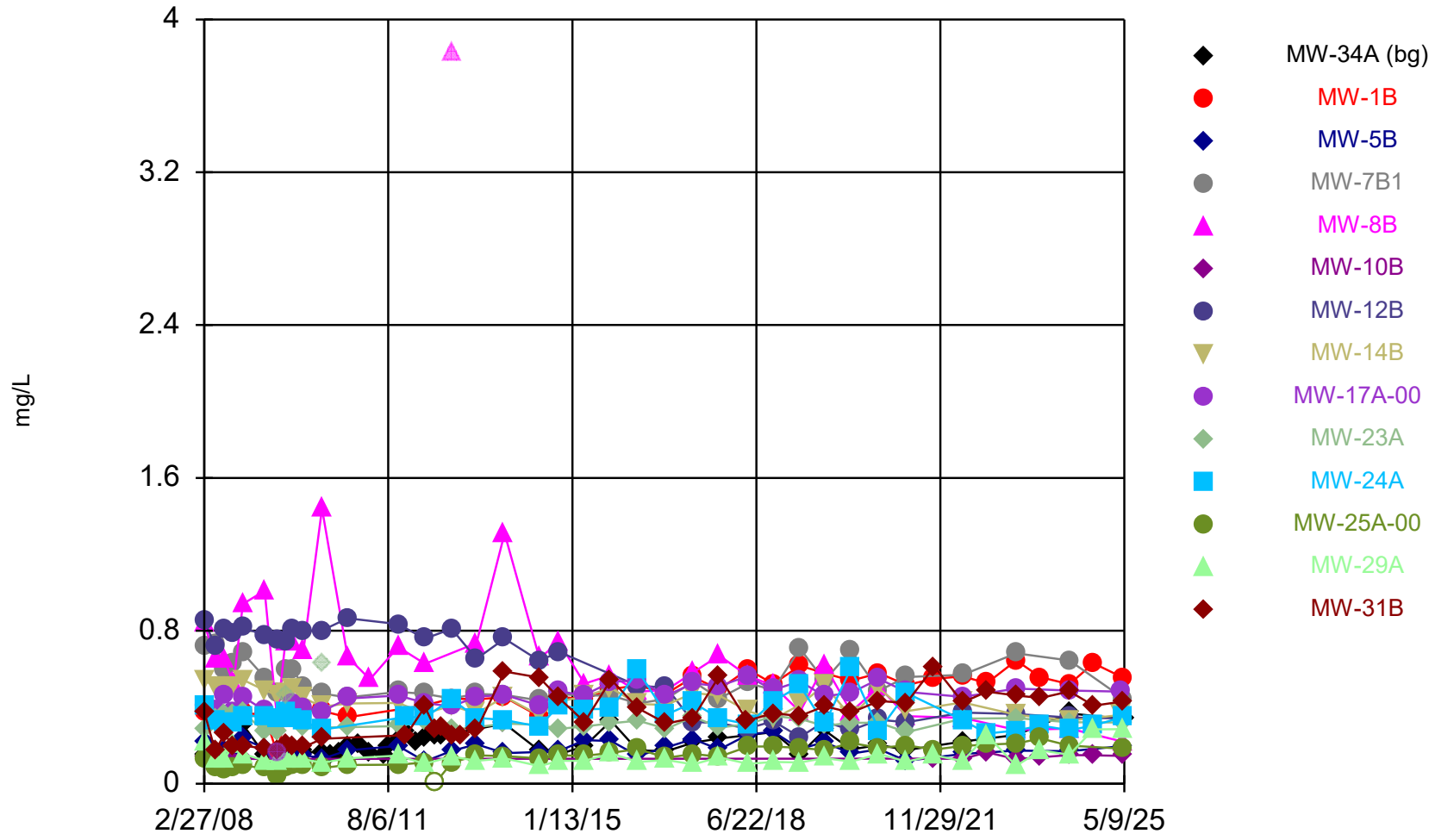

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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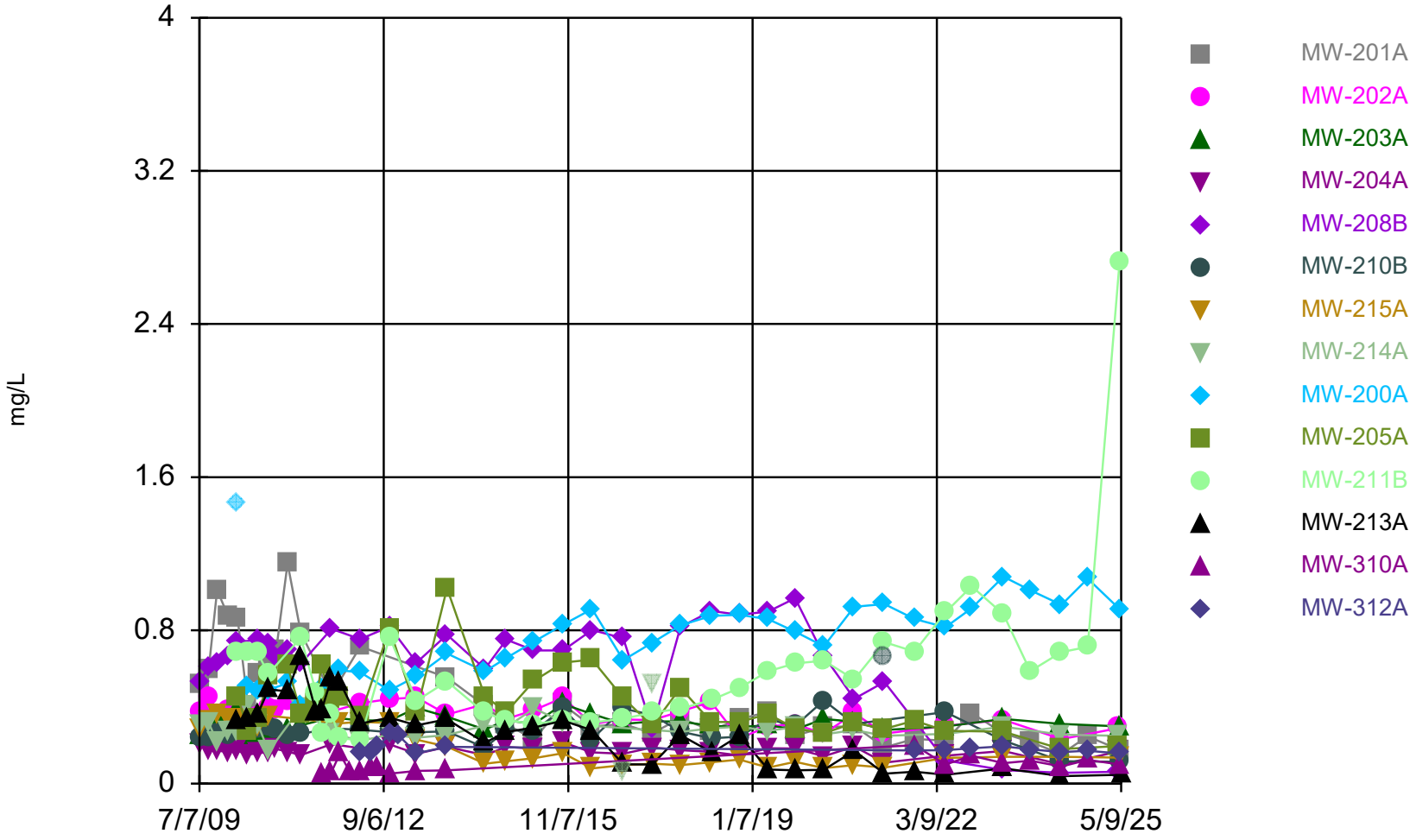
Time Series



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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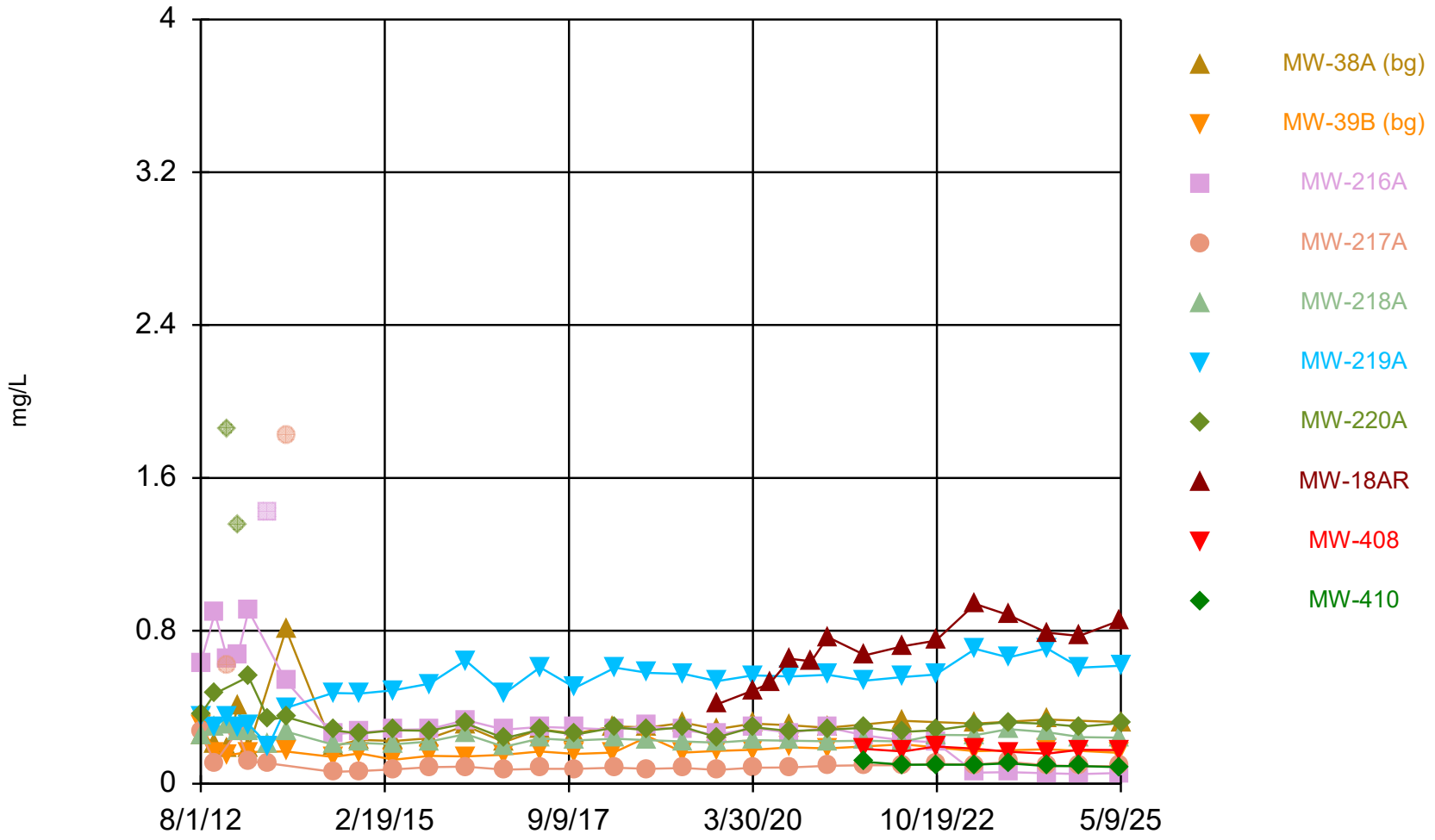

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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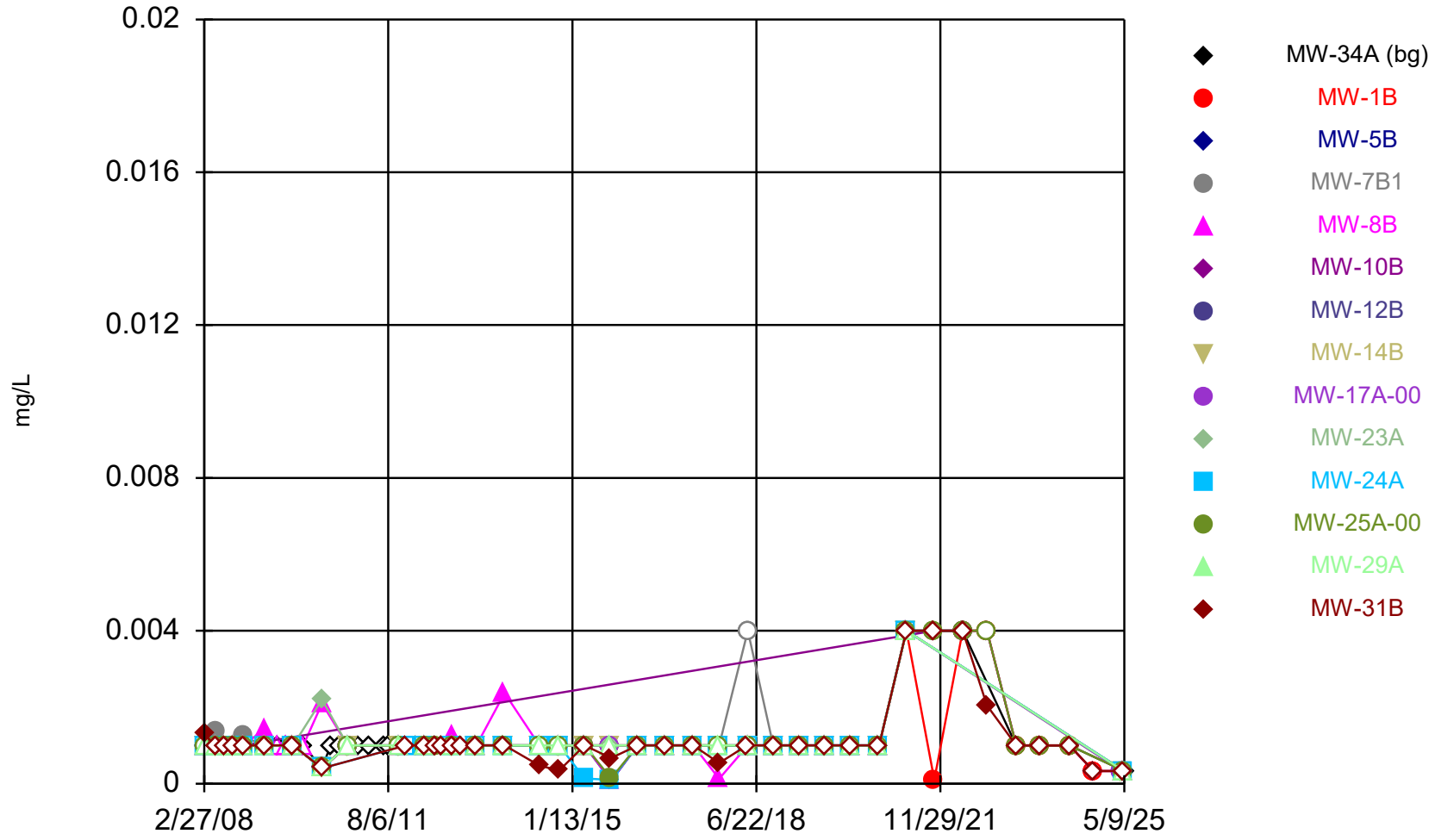

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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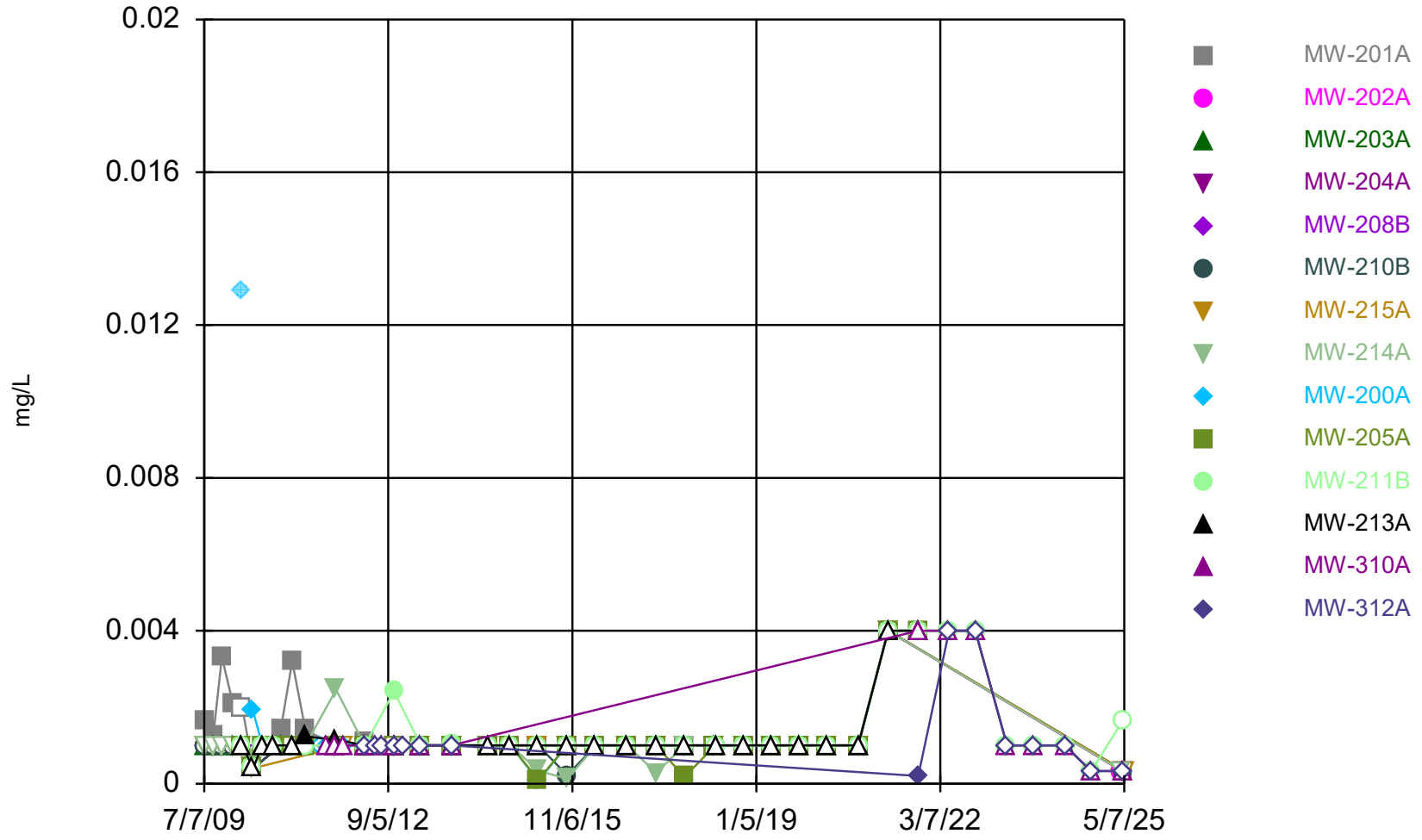
Time Series



Constituent: Beryllium Analysis Run 7/13/2025 8:08 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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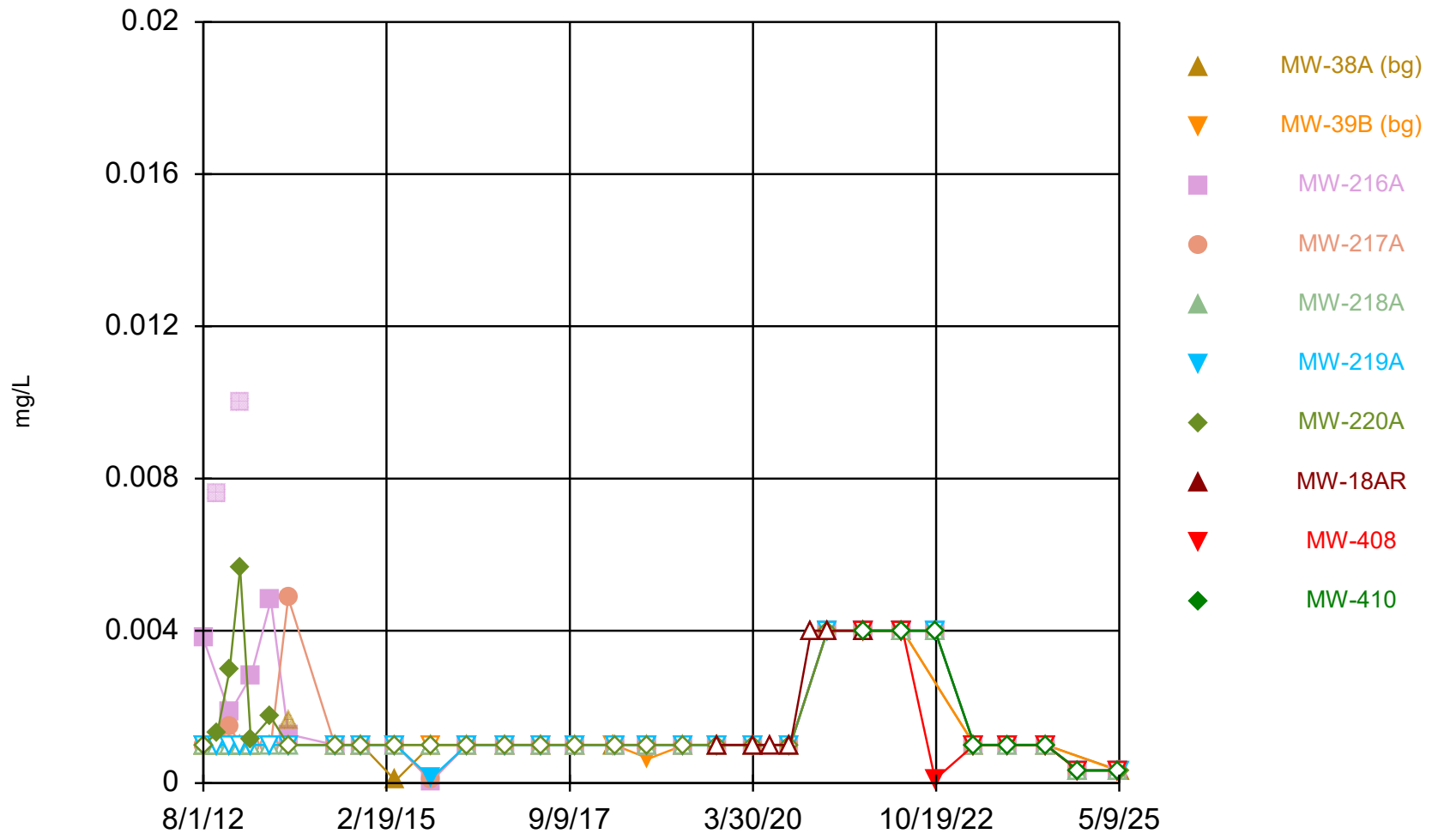

Constituent: Beryllium Analysis Run 7/13/2025 8:08 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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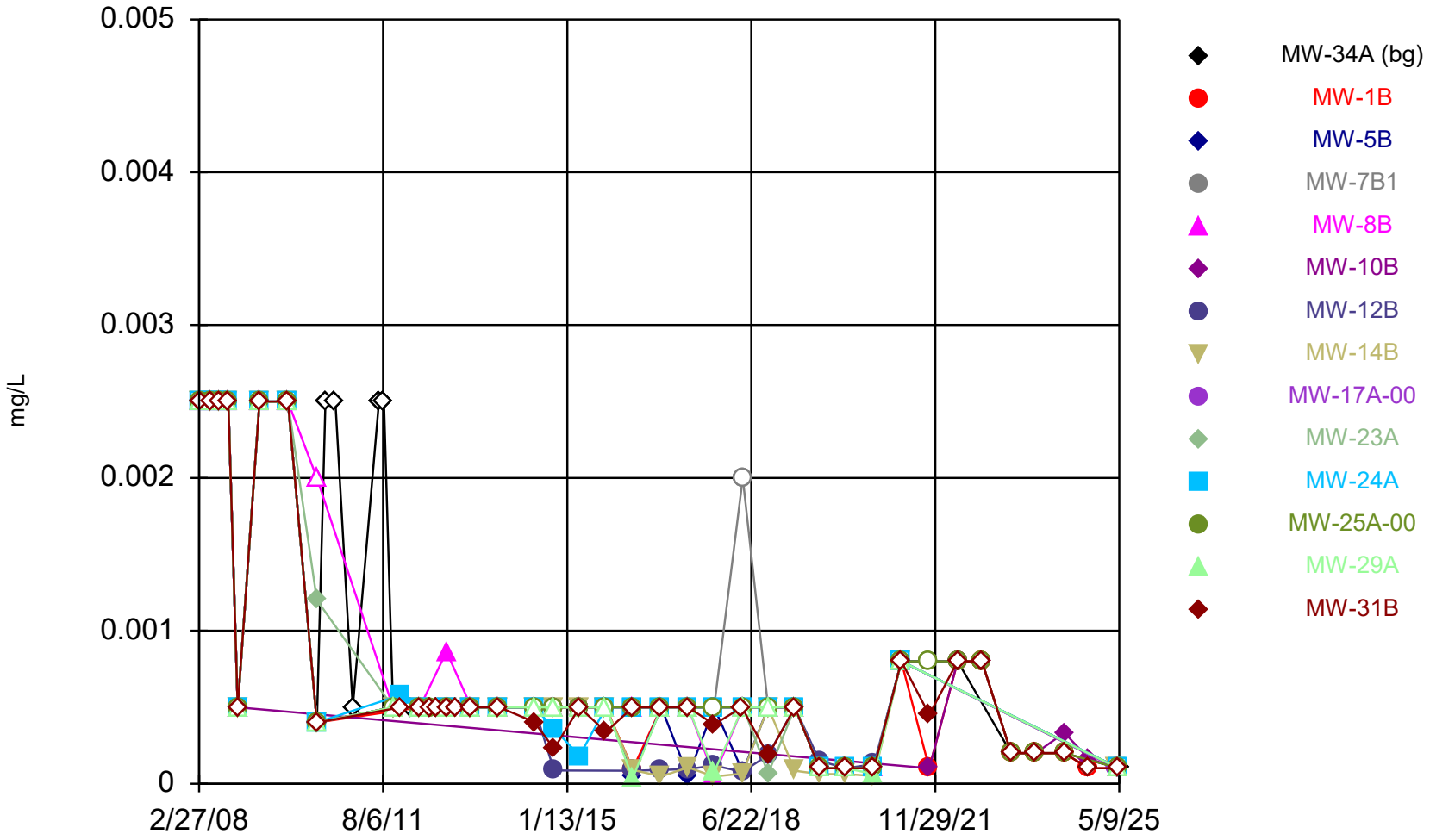

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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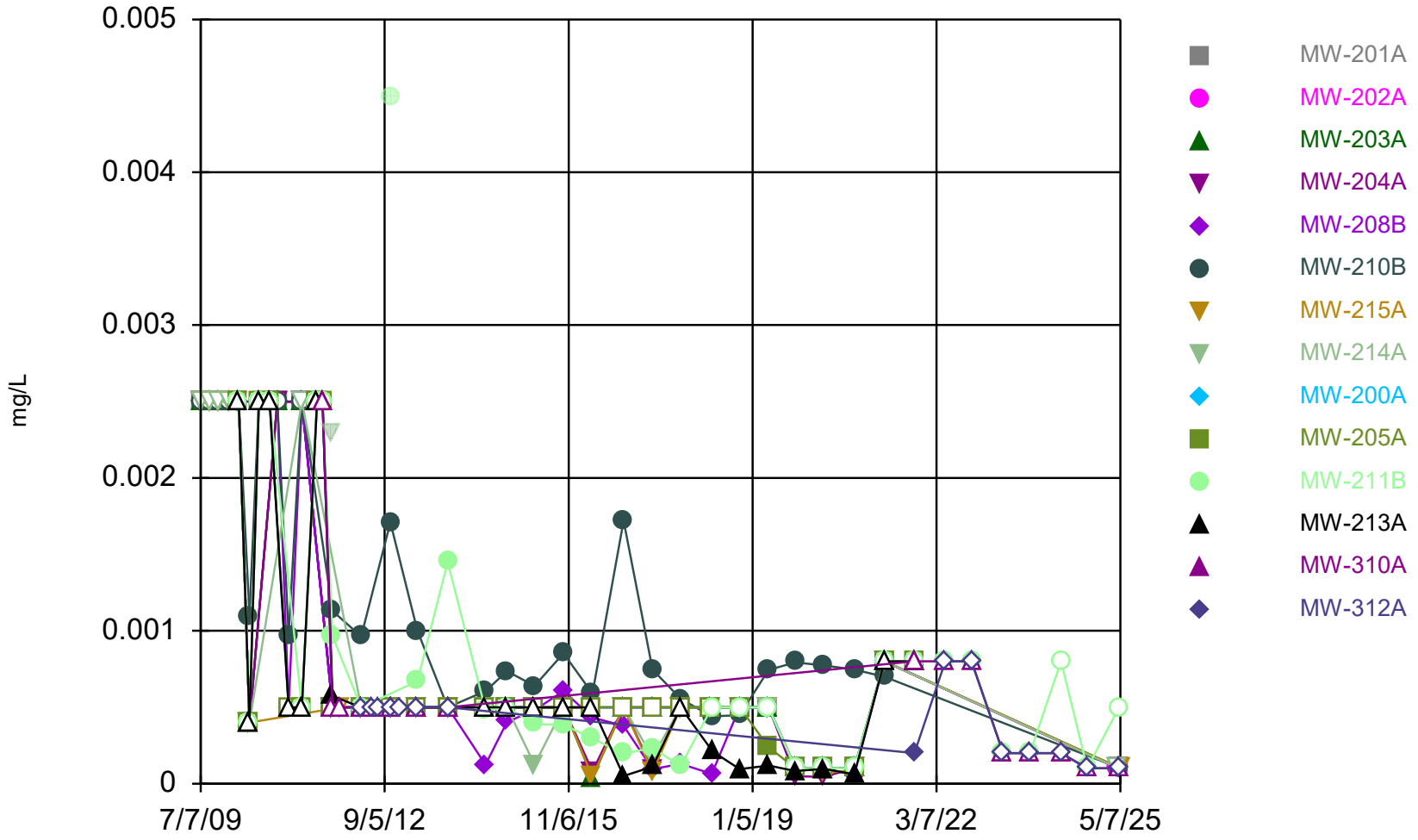

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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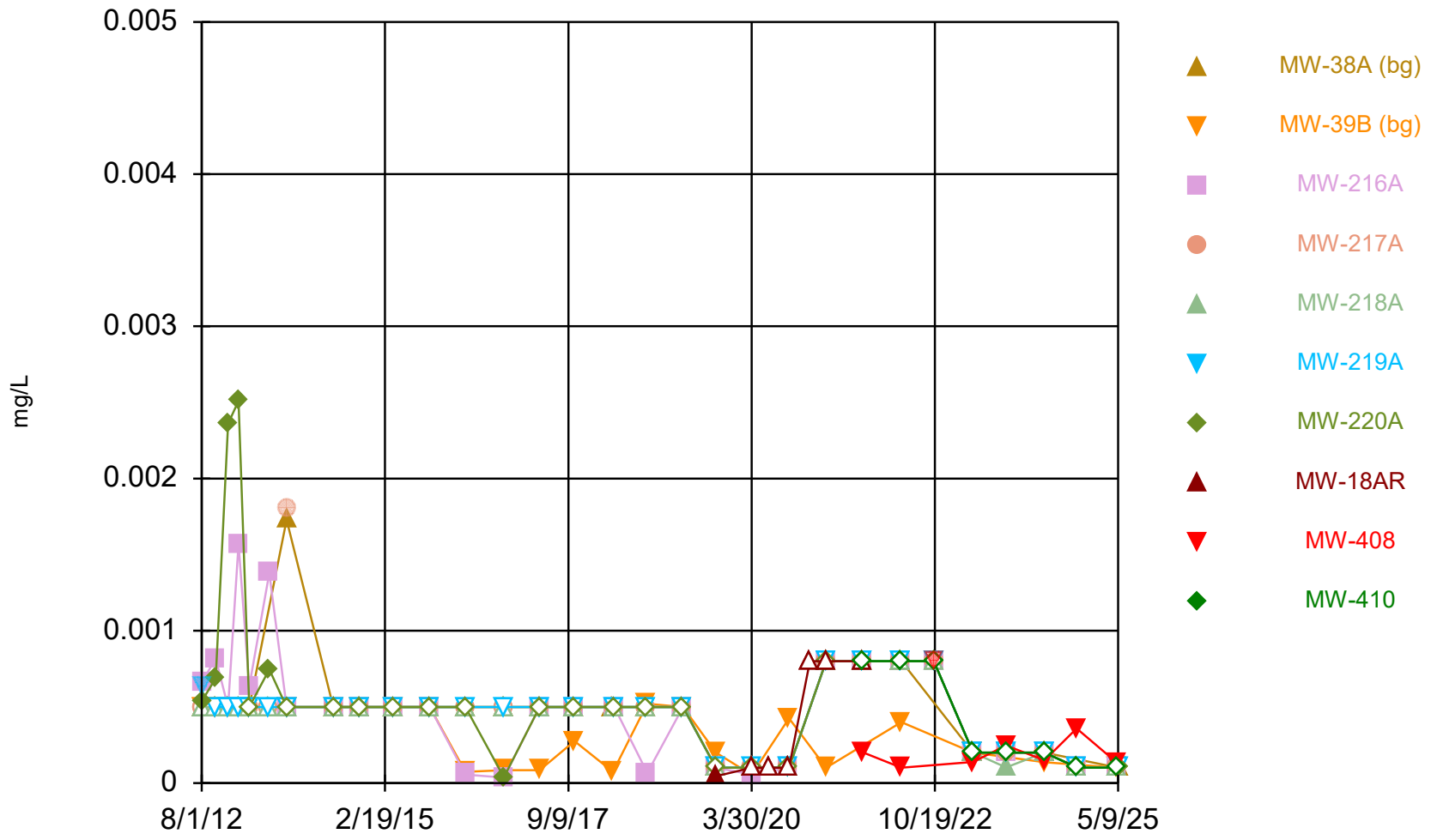

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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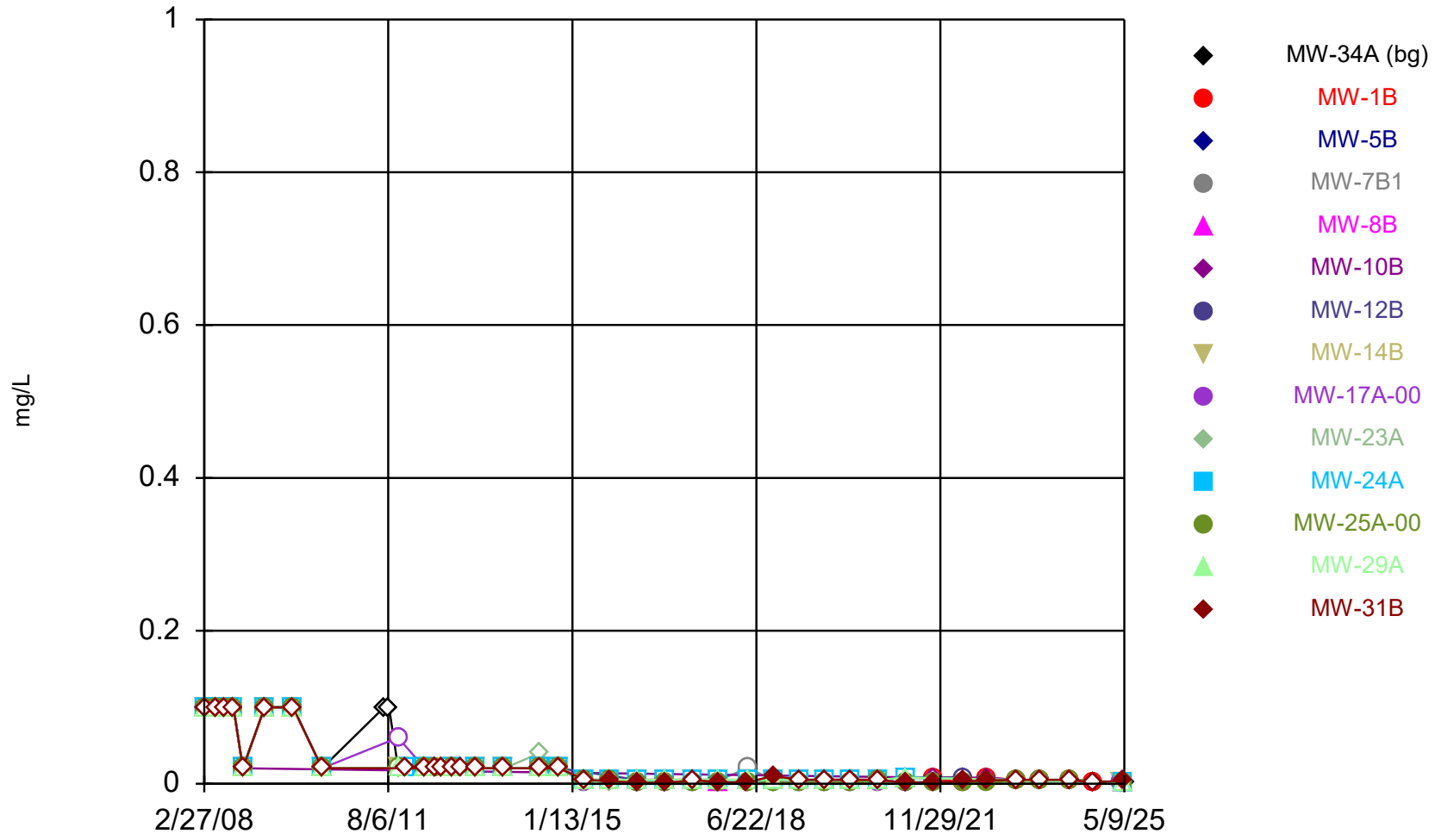

Constituent: Chromium Analysis Run 7/13/2025 8:08 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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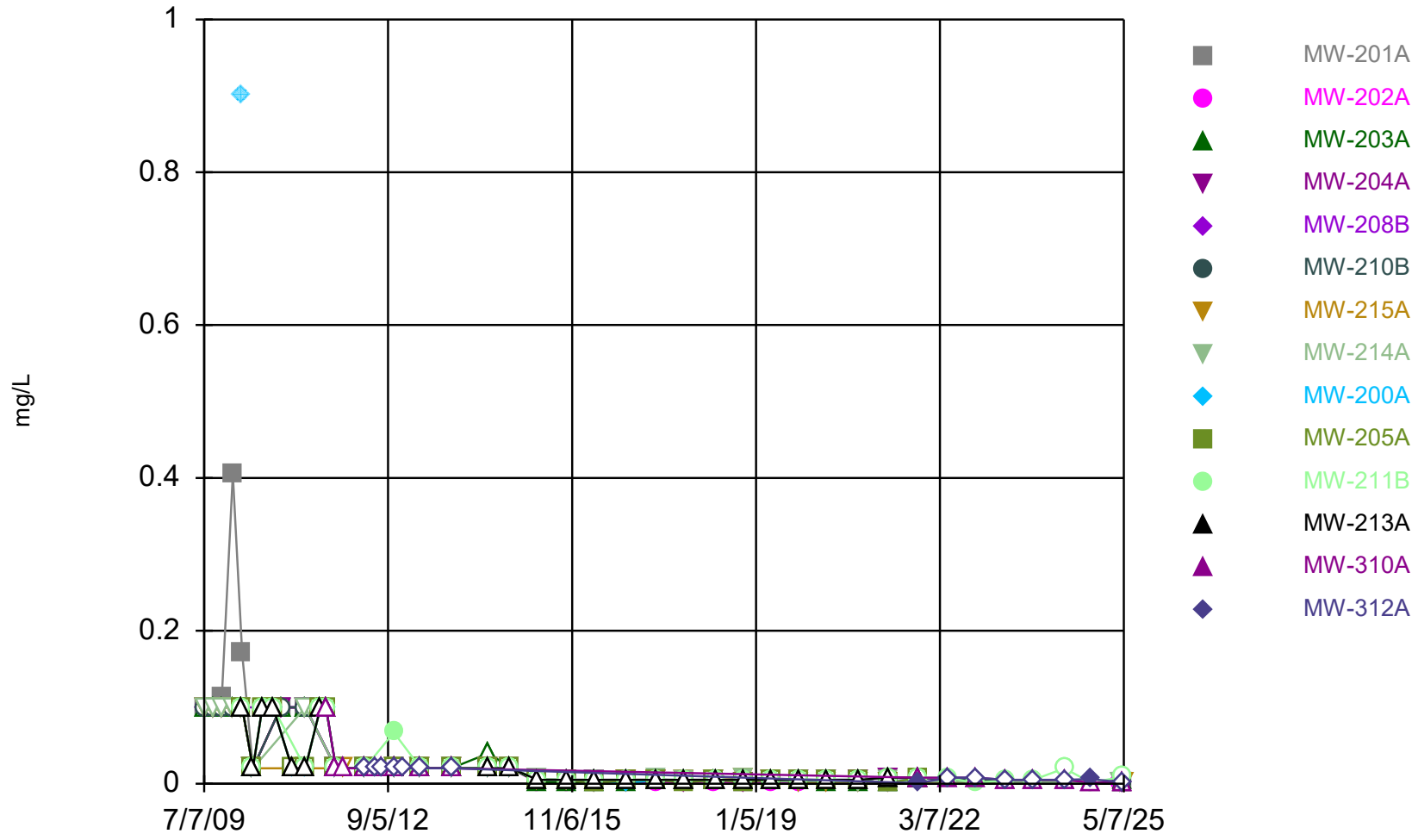
Hollow symbols indicate censored values.

Time Series



Constituent: Chromium Analysis Run 7/13/2025 8:08 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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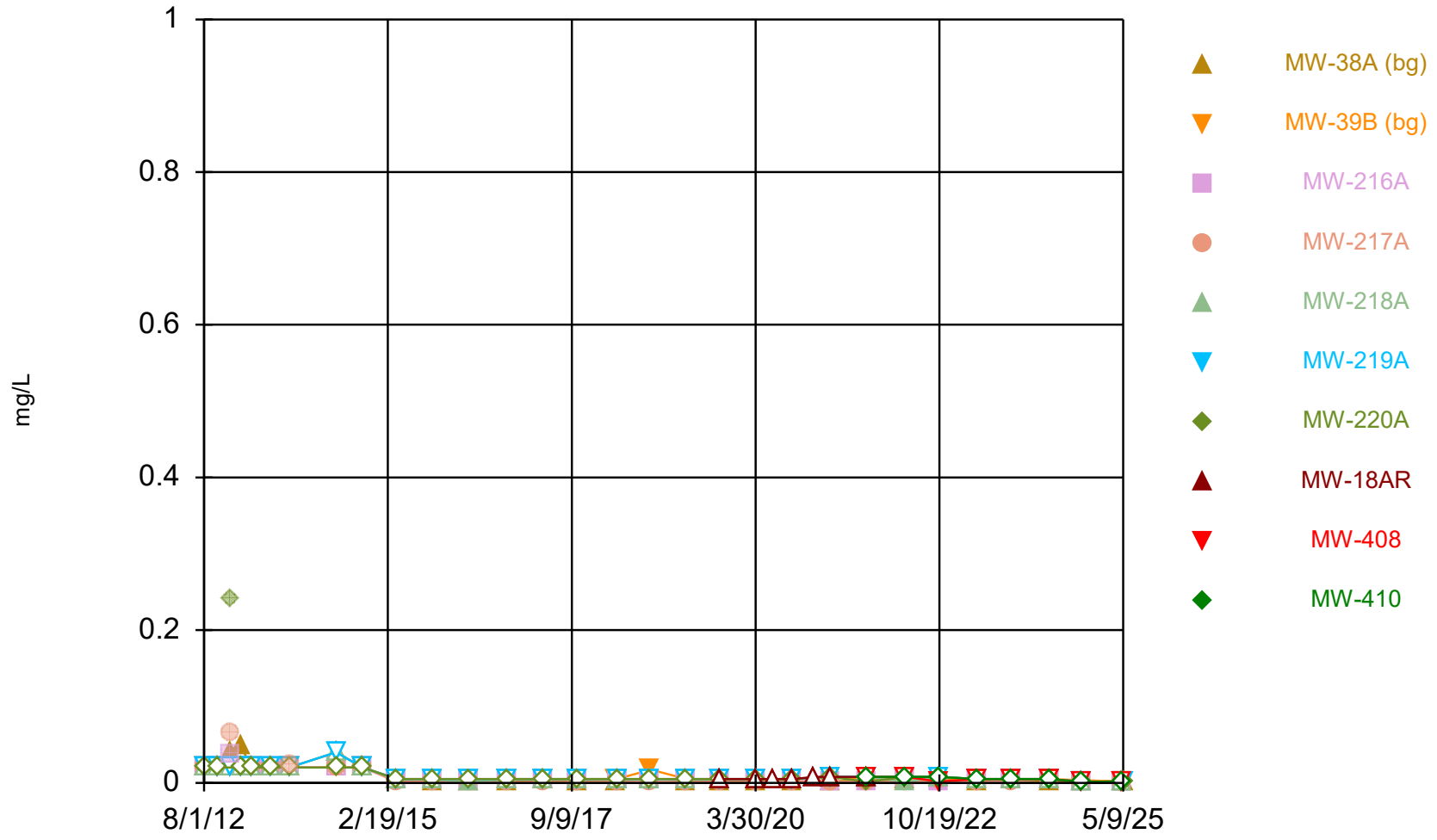

Constituent: Chromium Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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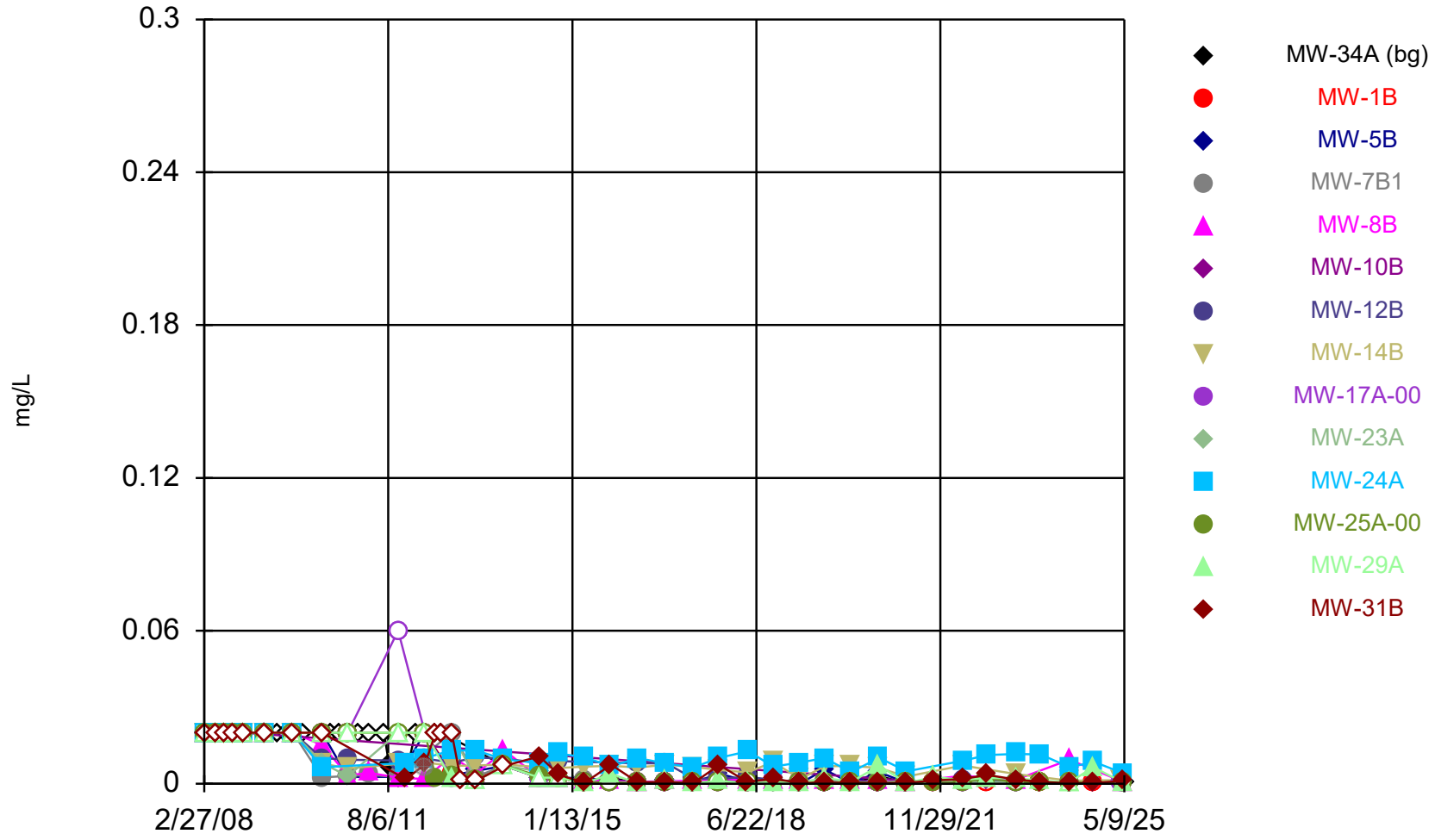
Time Series

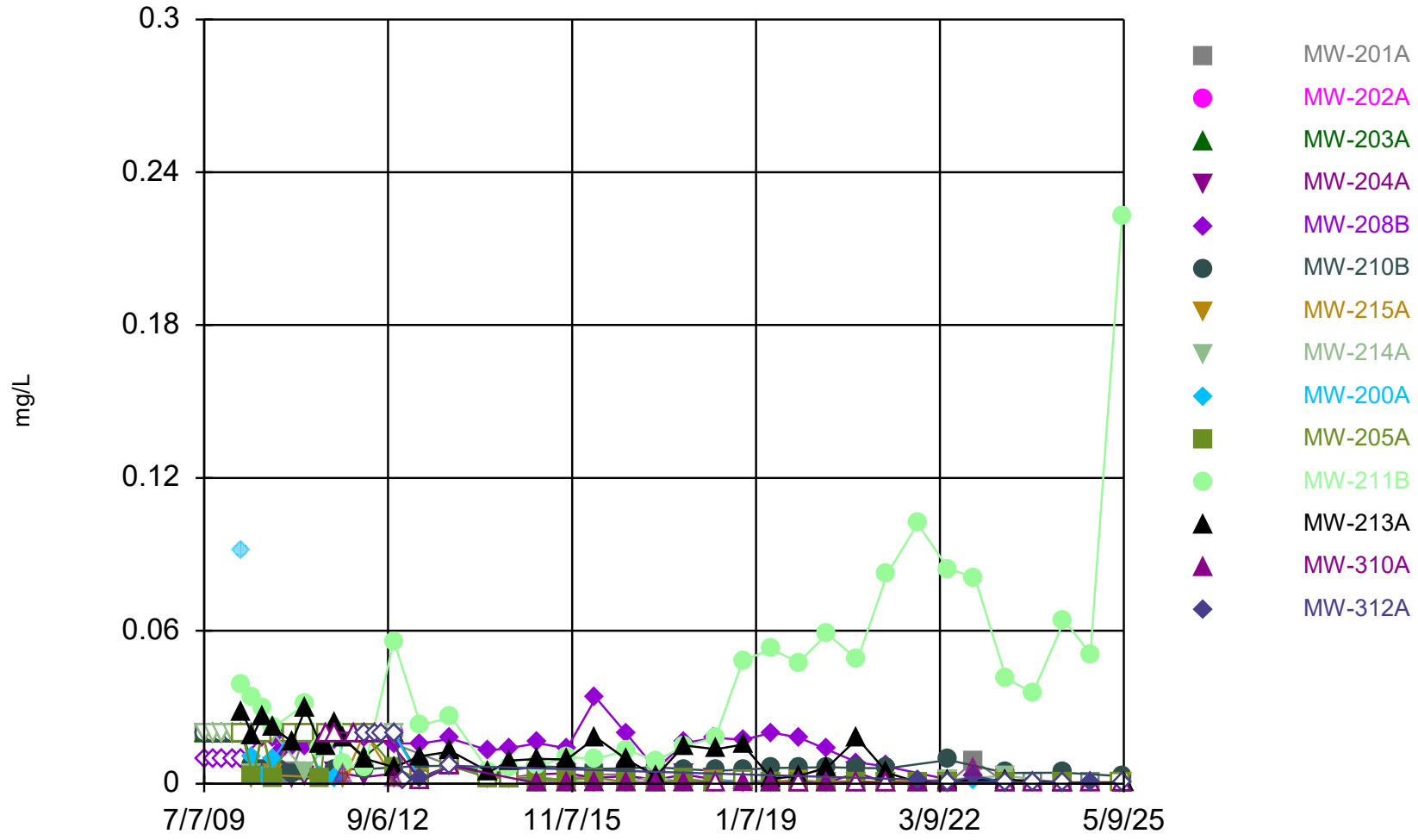


Constituent: Cobalt Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

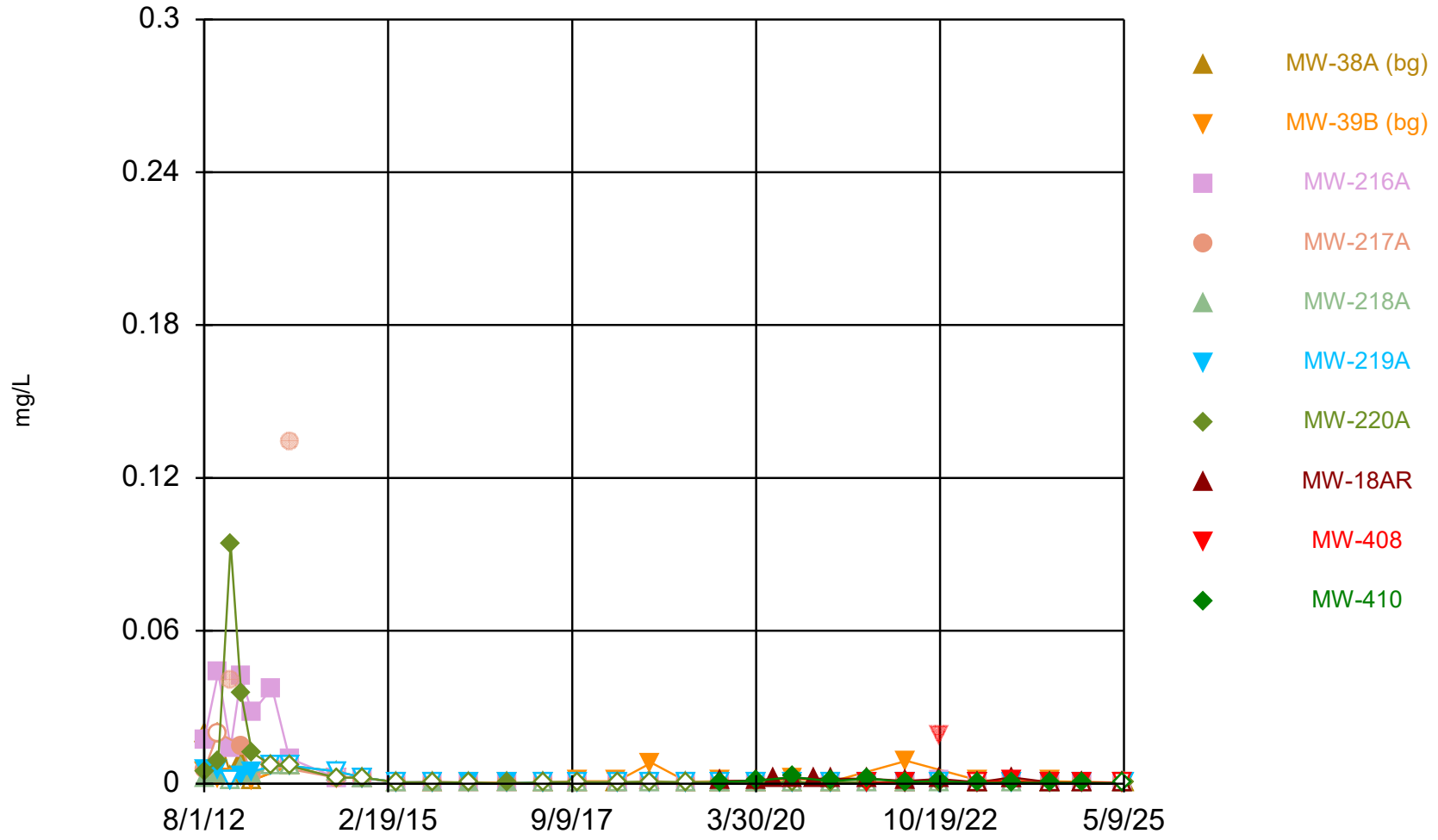


Constituent: Cobalt Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

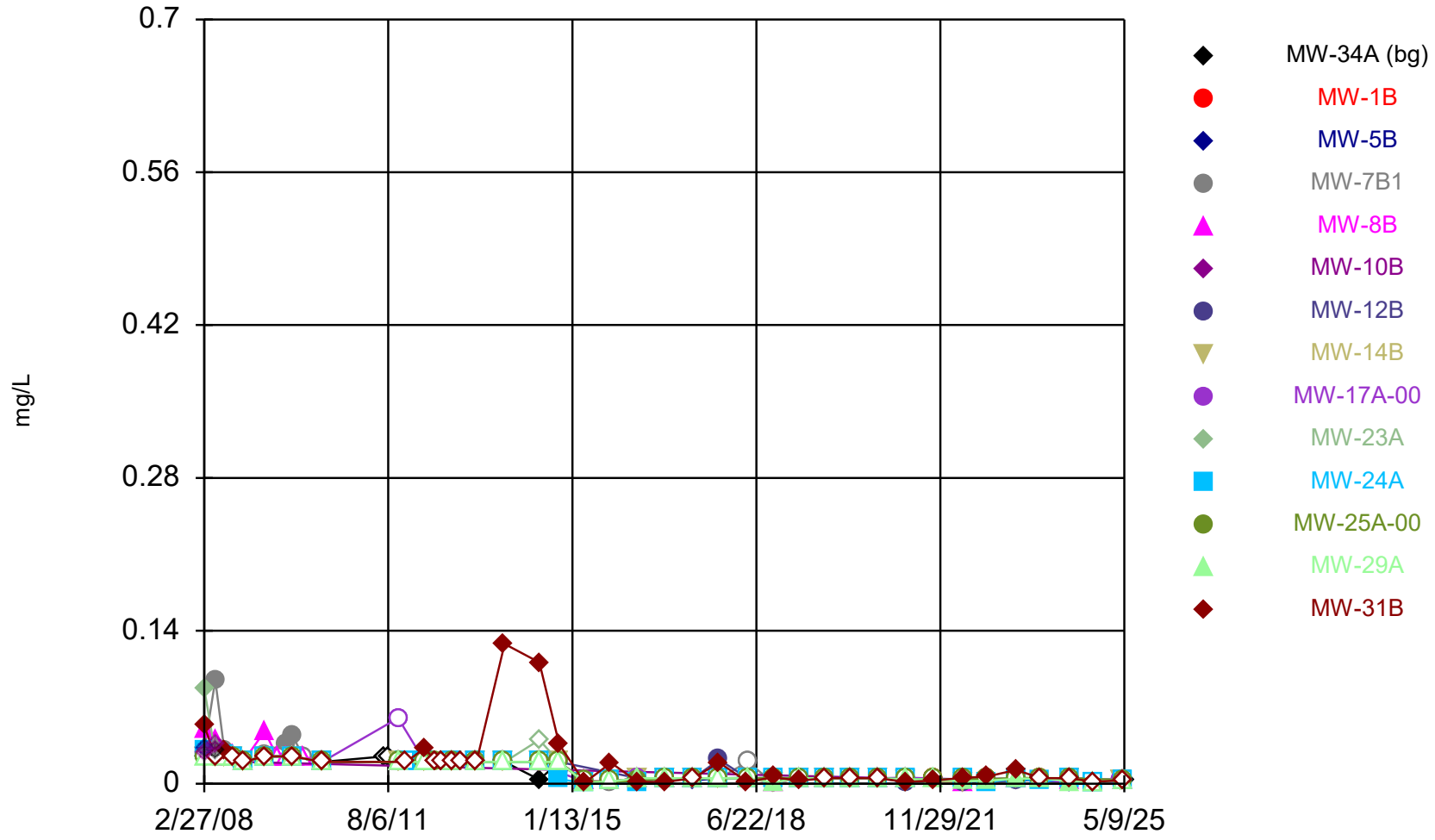


Constituent: Cobalt Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

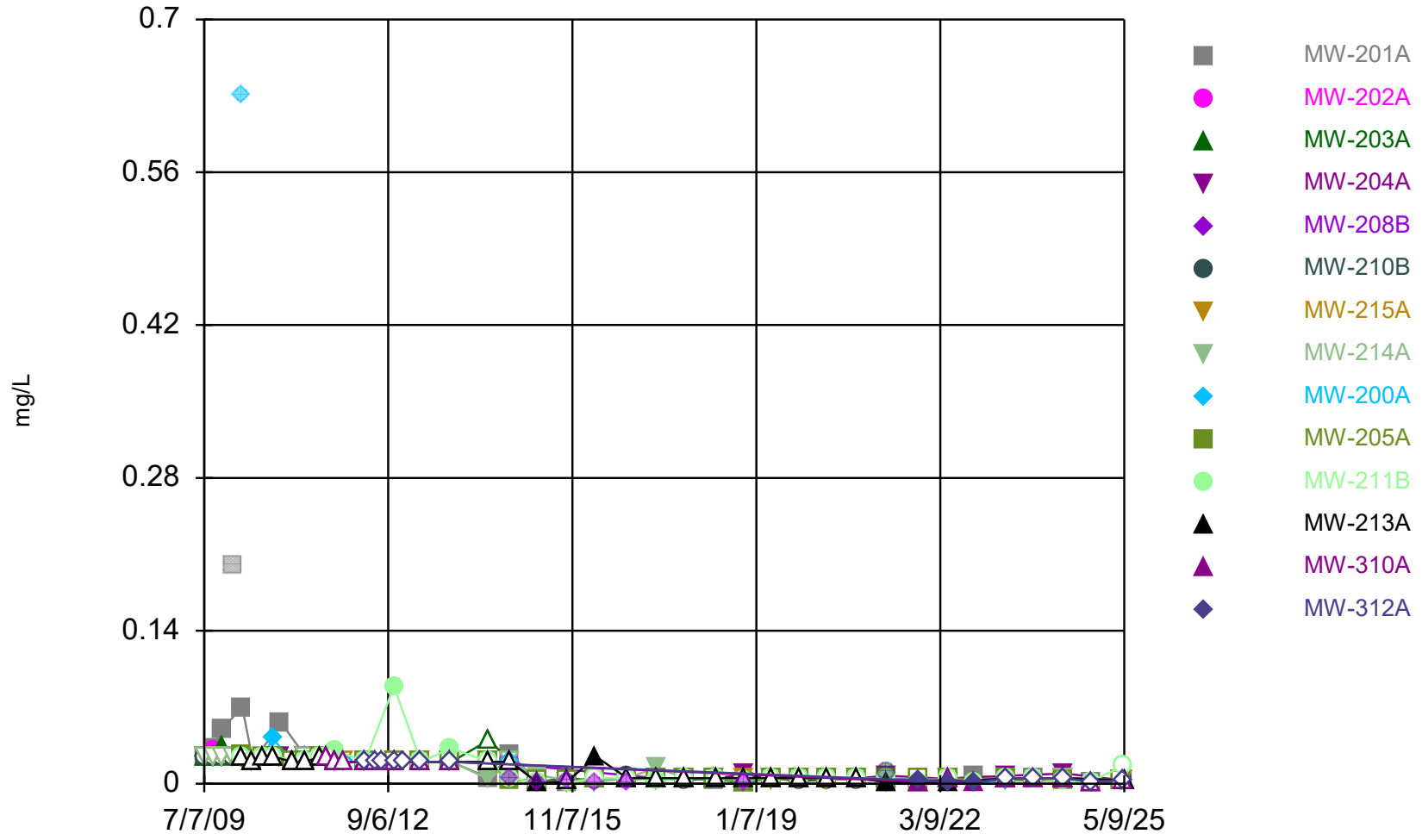


Constituent: Copper Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



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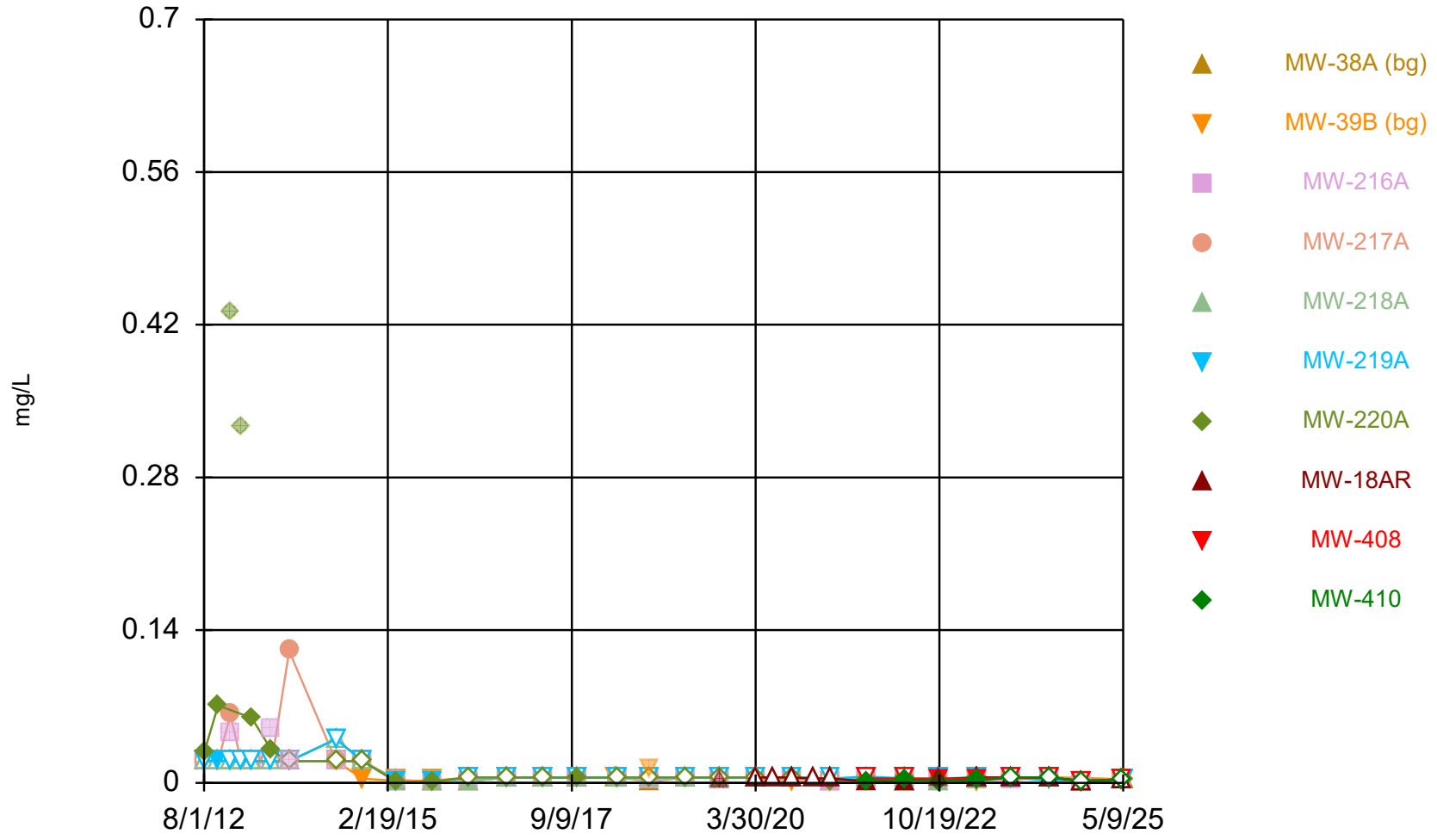
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

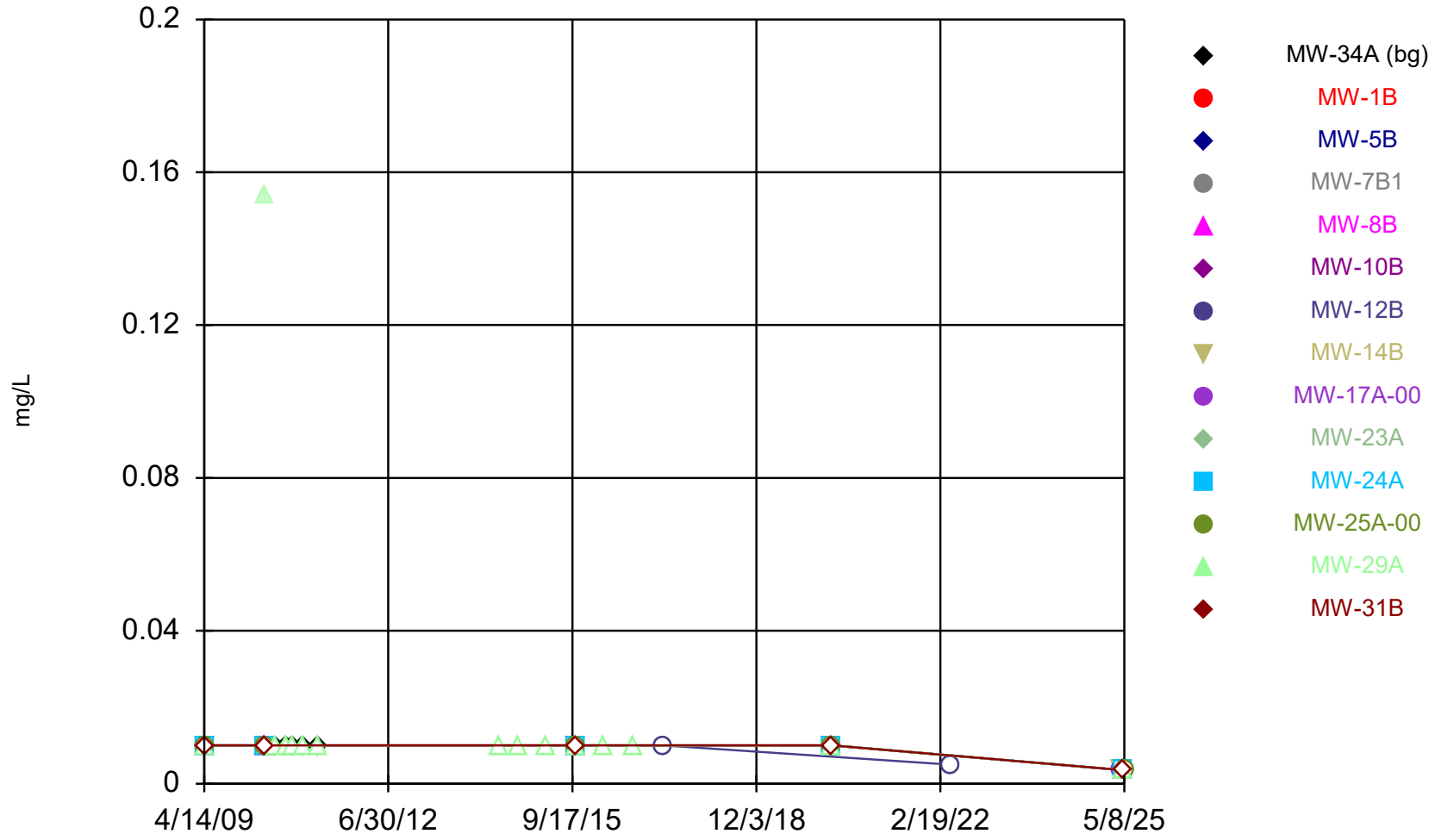


Constituent: Copper Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

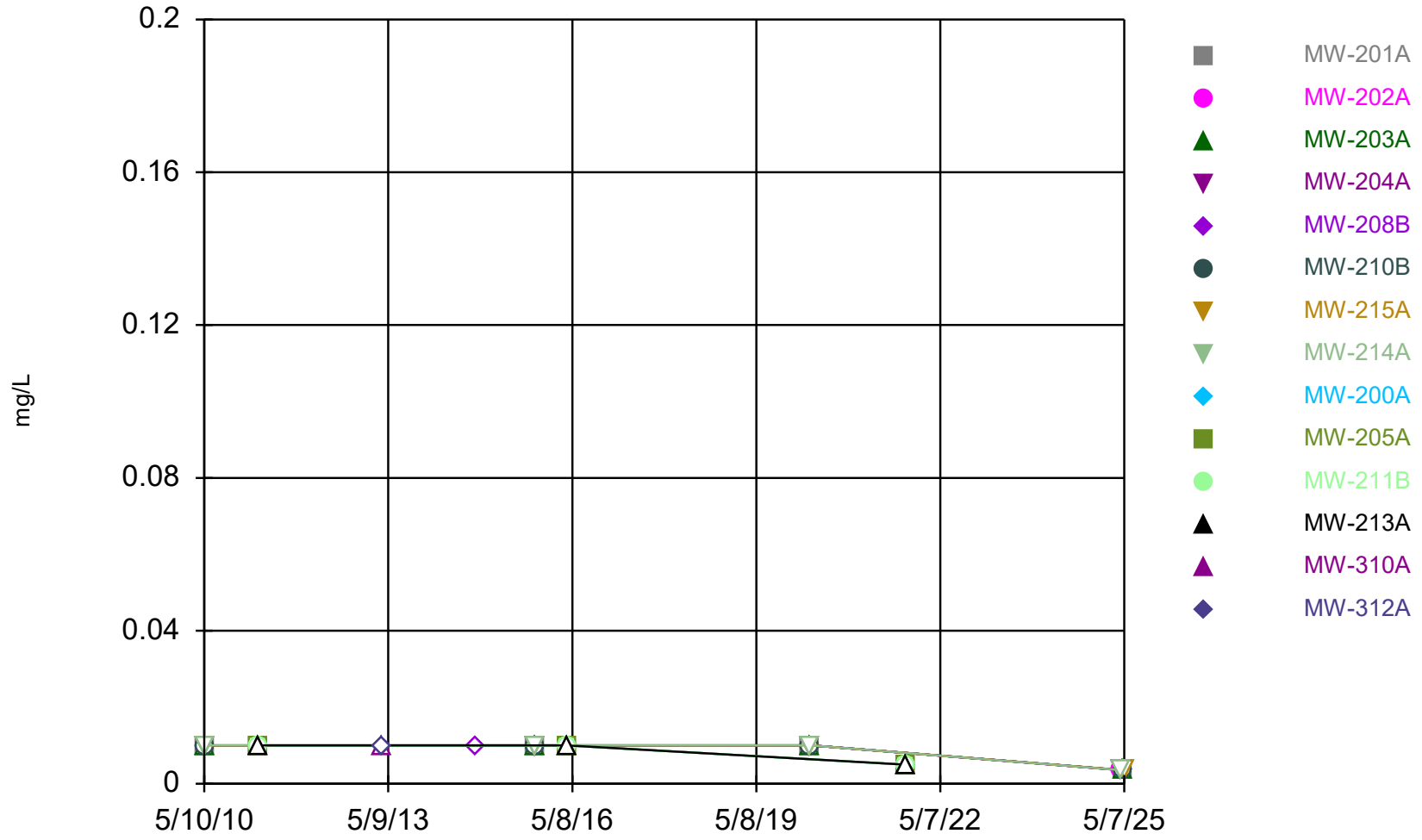


Constituent: Cyanide Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

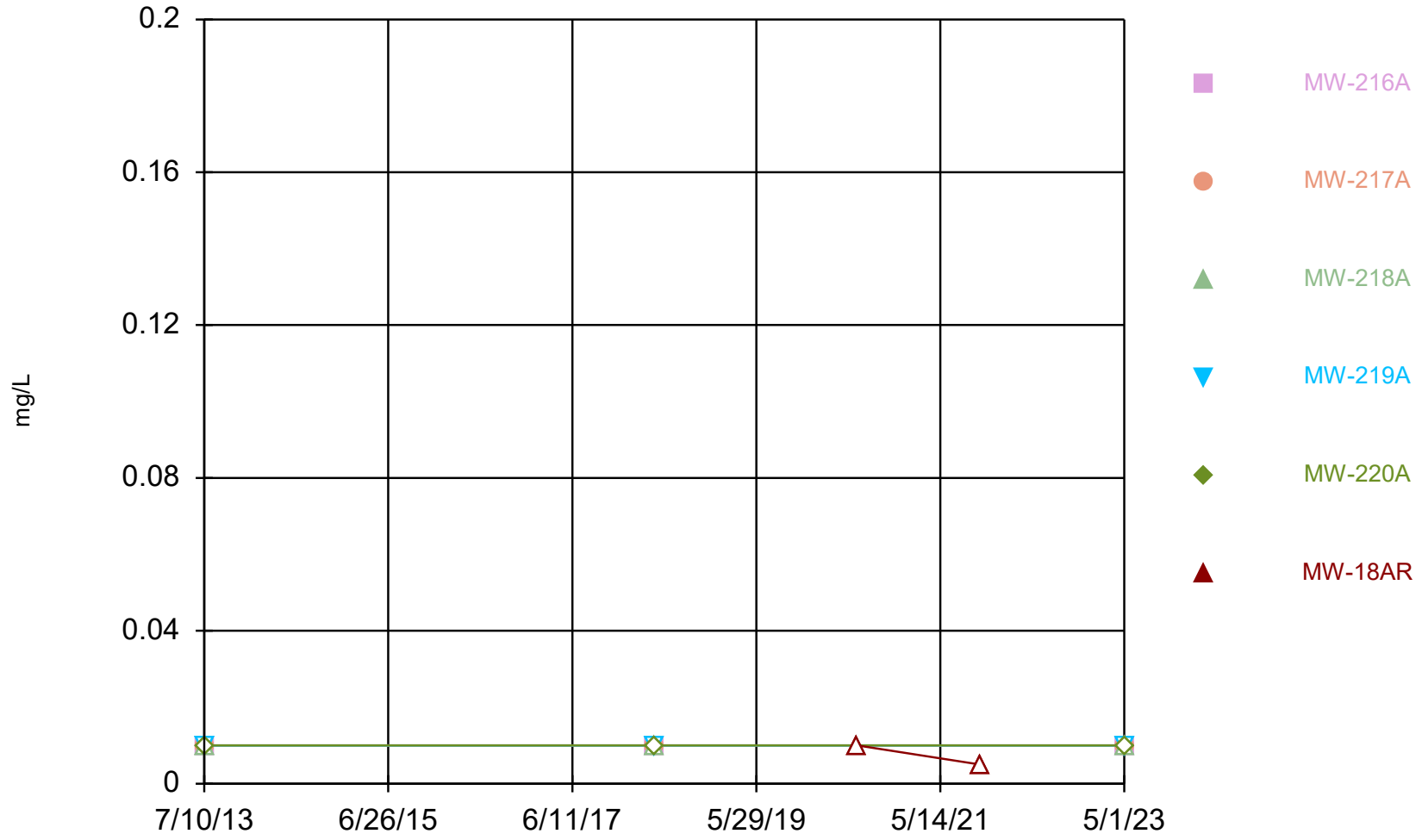


Constituent: Cyanide Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Cyanide Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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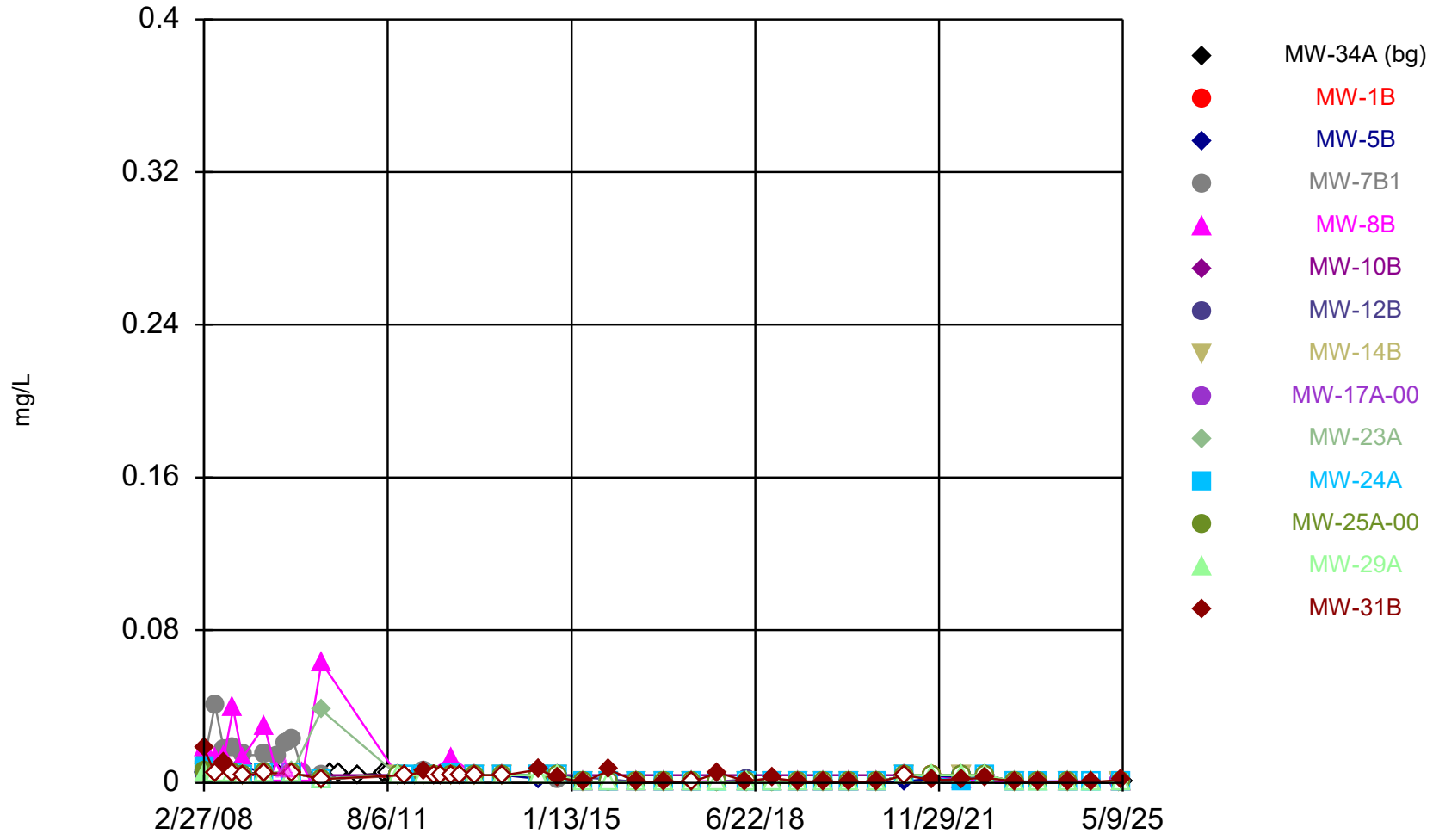
Hollow symbols indicate censored values.

Time Series



Constituent: Lead Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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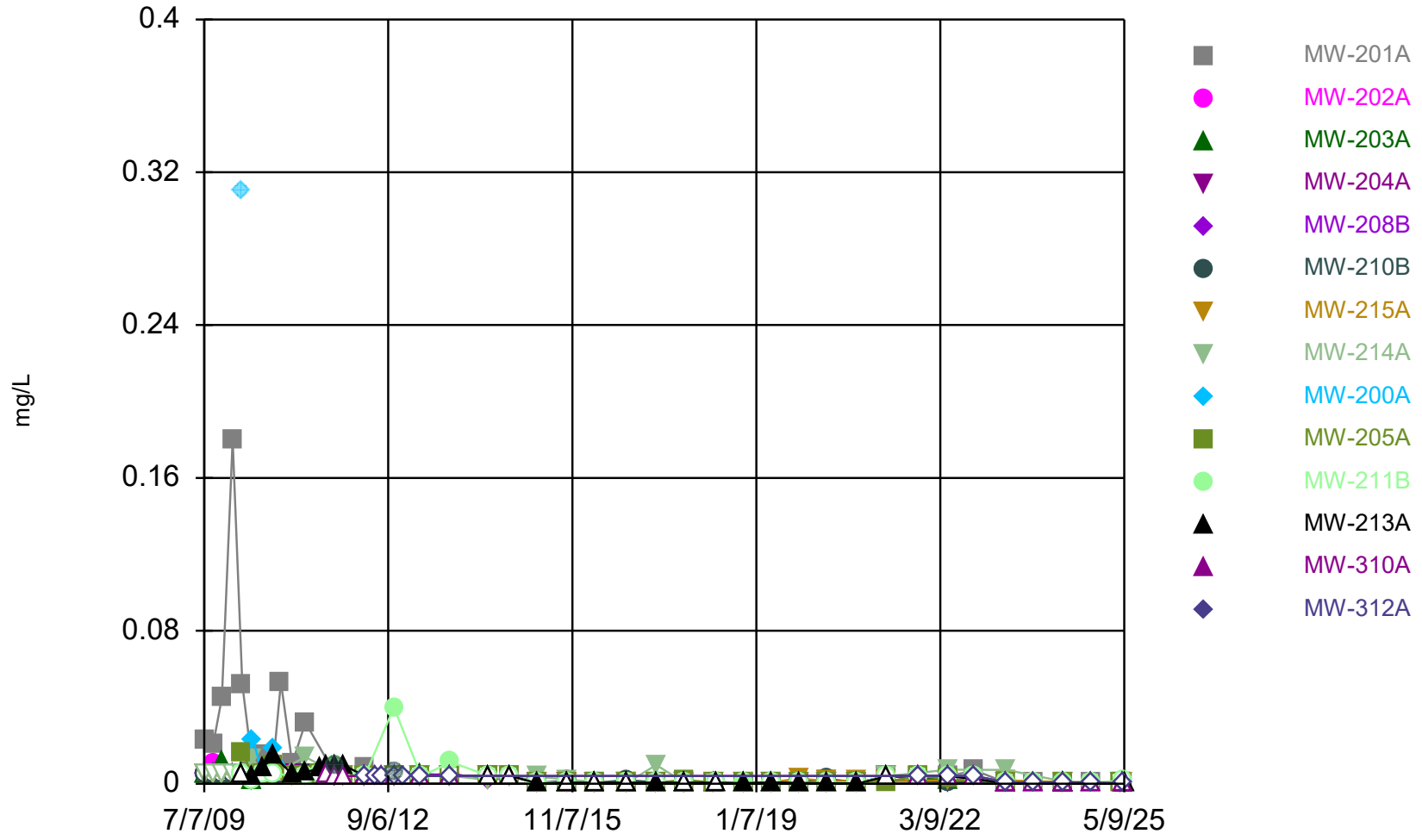
Hollow symbols indicate censored values.

Time Series

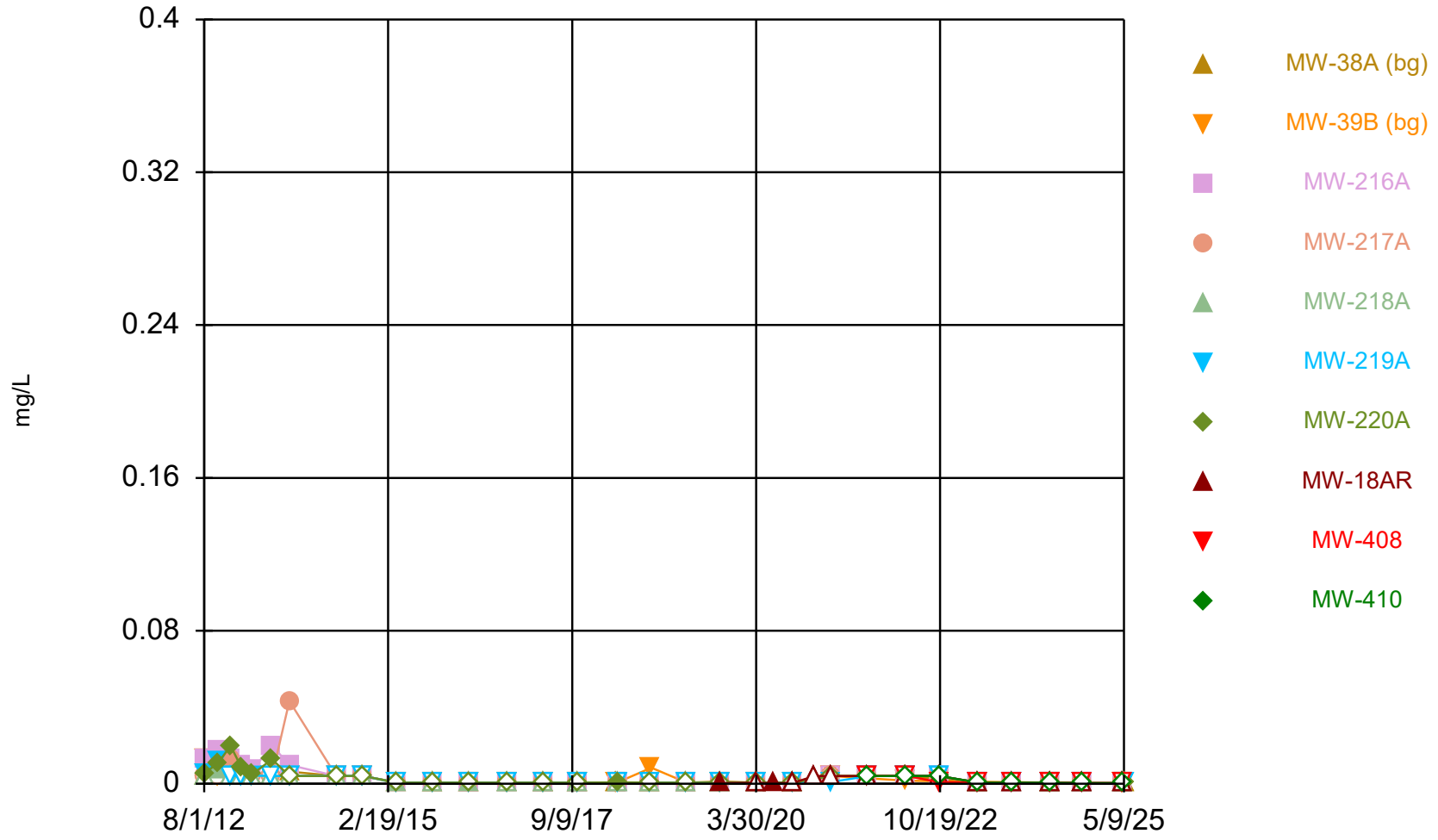


Constituent: Lead Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

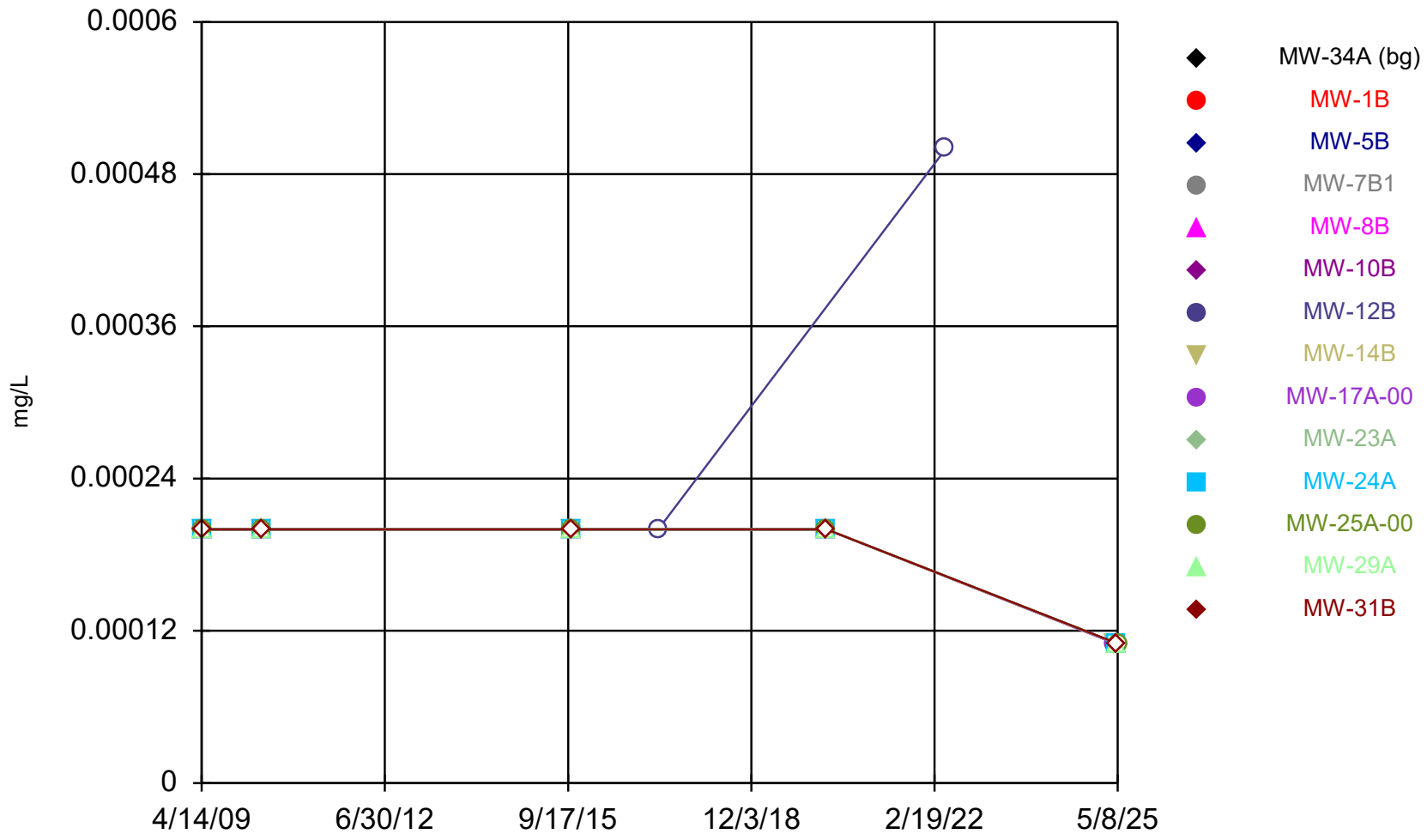


Constituent: Lead Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

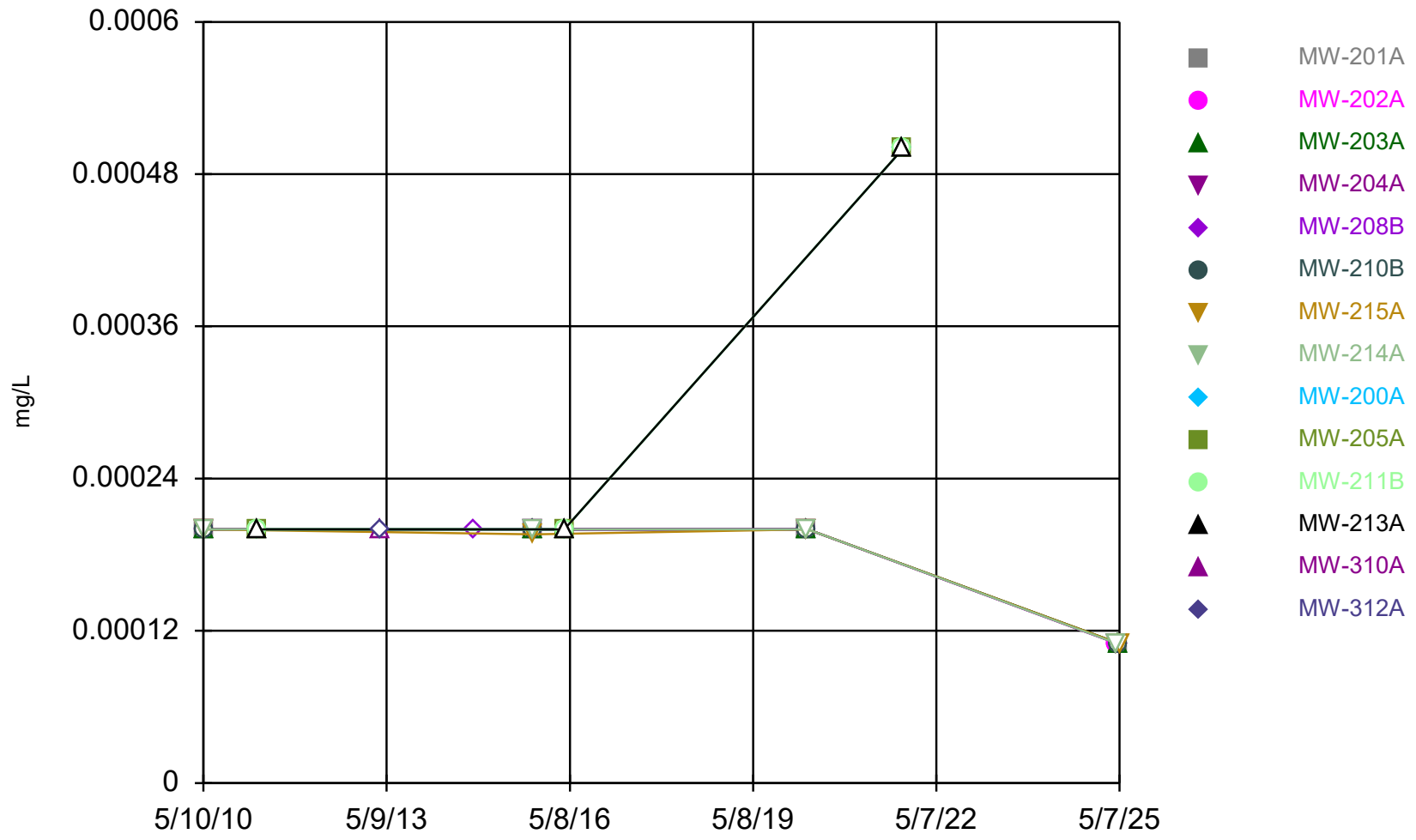


Constituent: Mercury Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

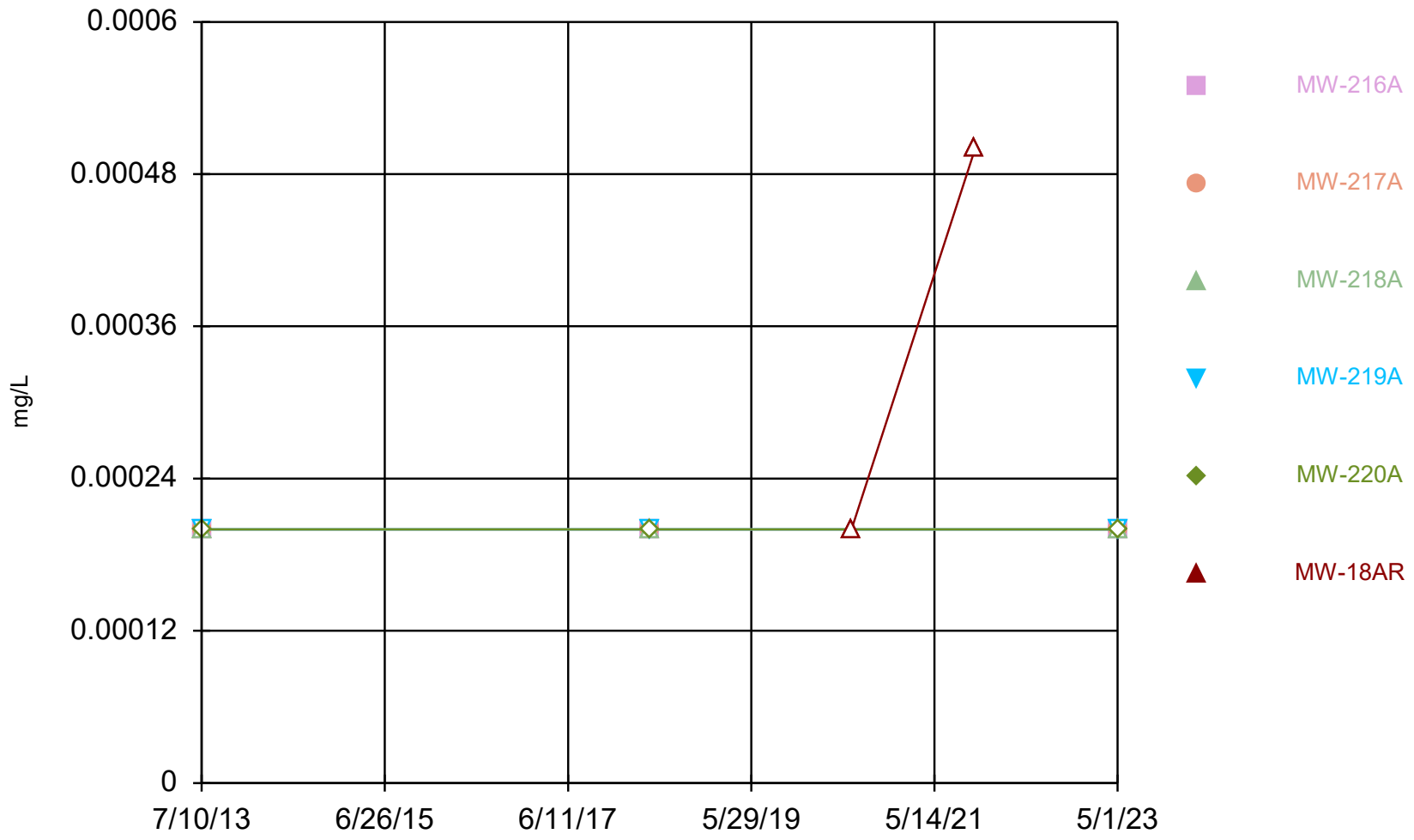


Constituent: Mercury Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

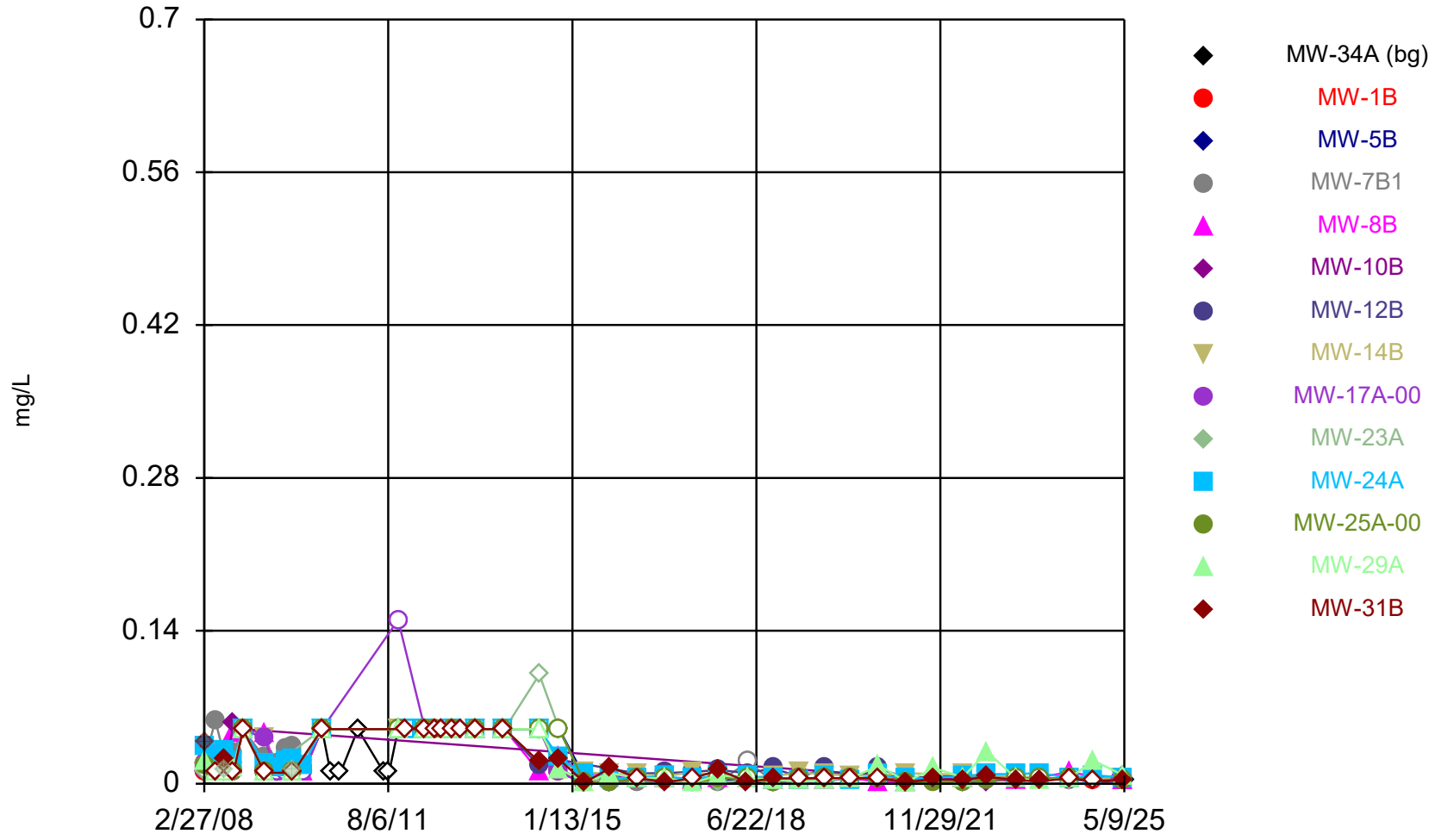


Constituent: Mercury Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

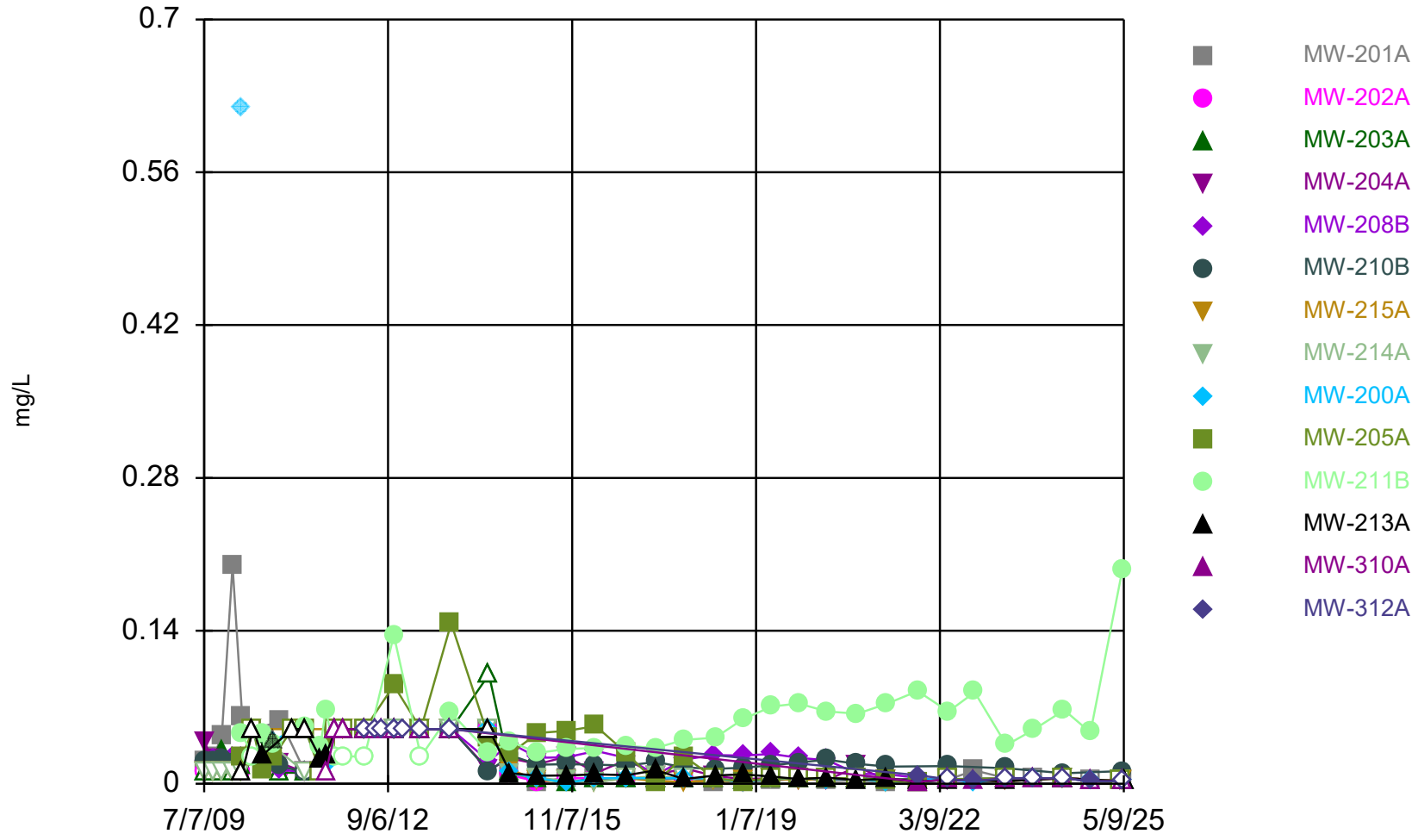


Constituent: Nickel Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

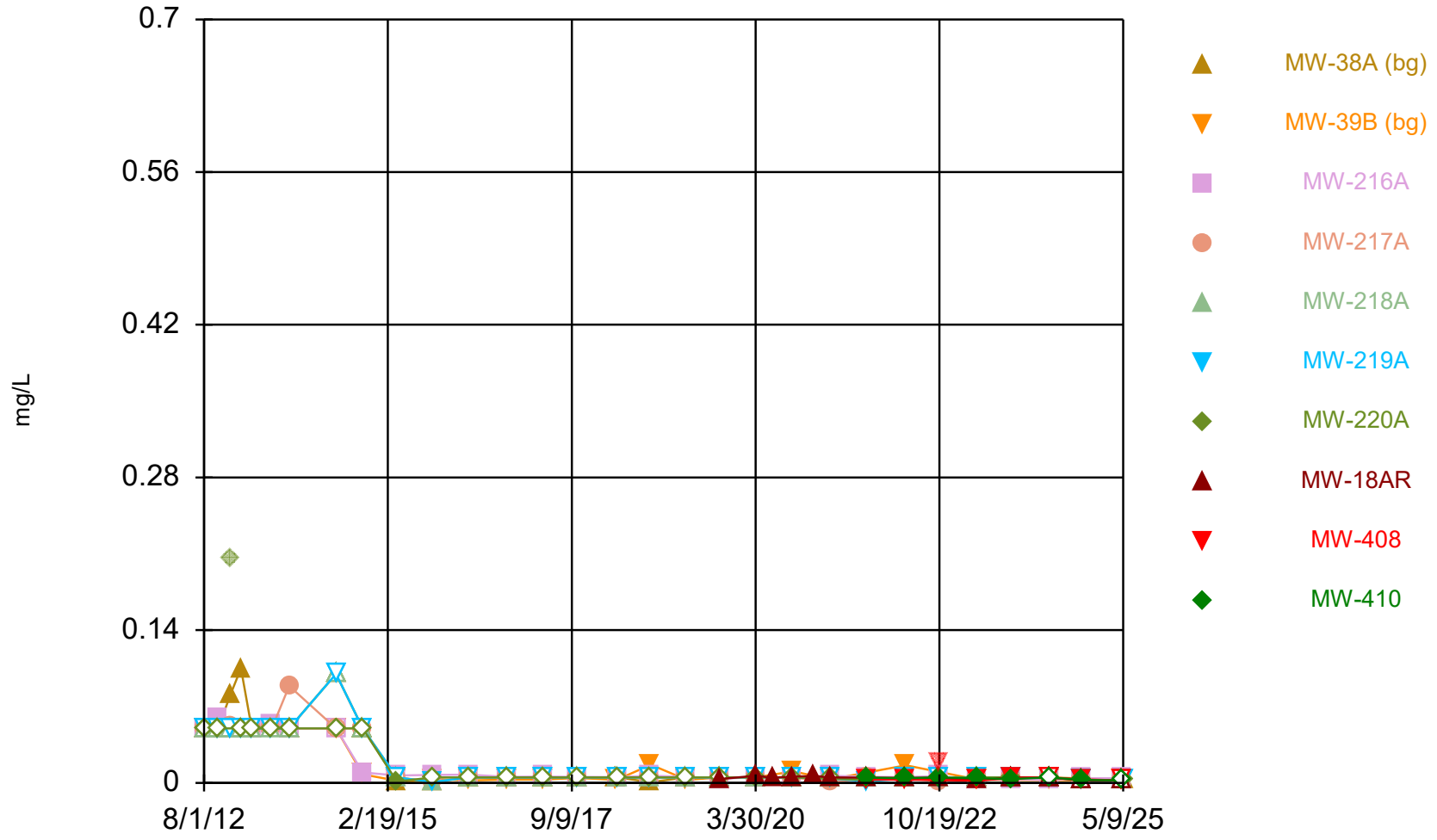


Constituent: Nickel Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

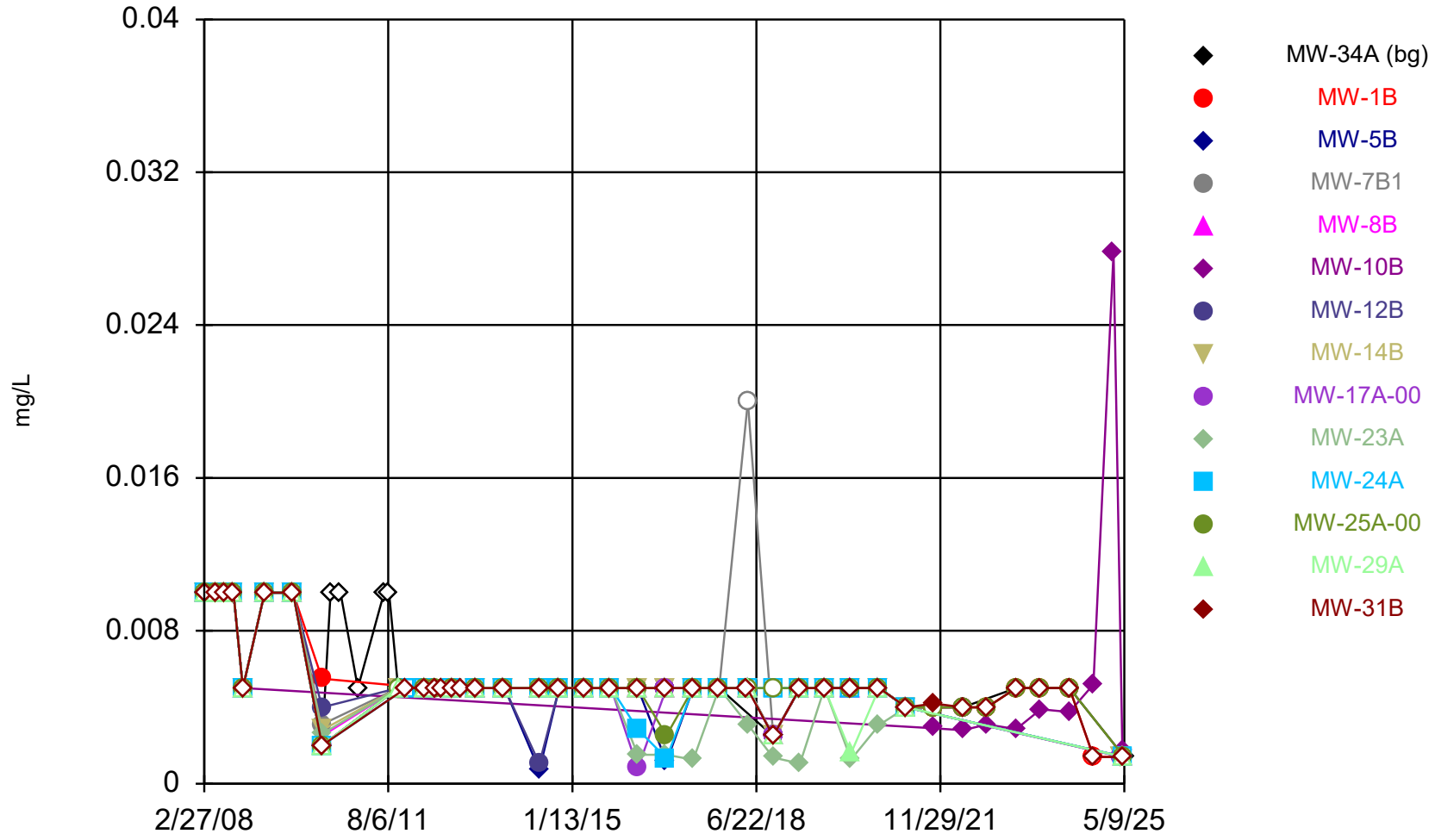


Constituent: Nickel Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

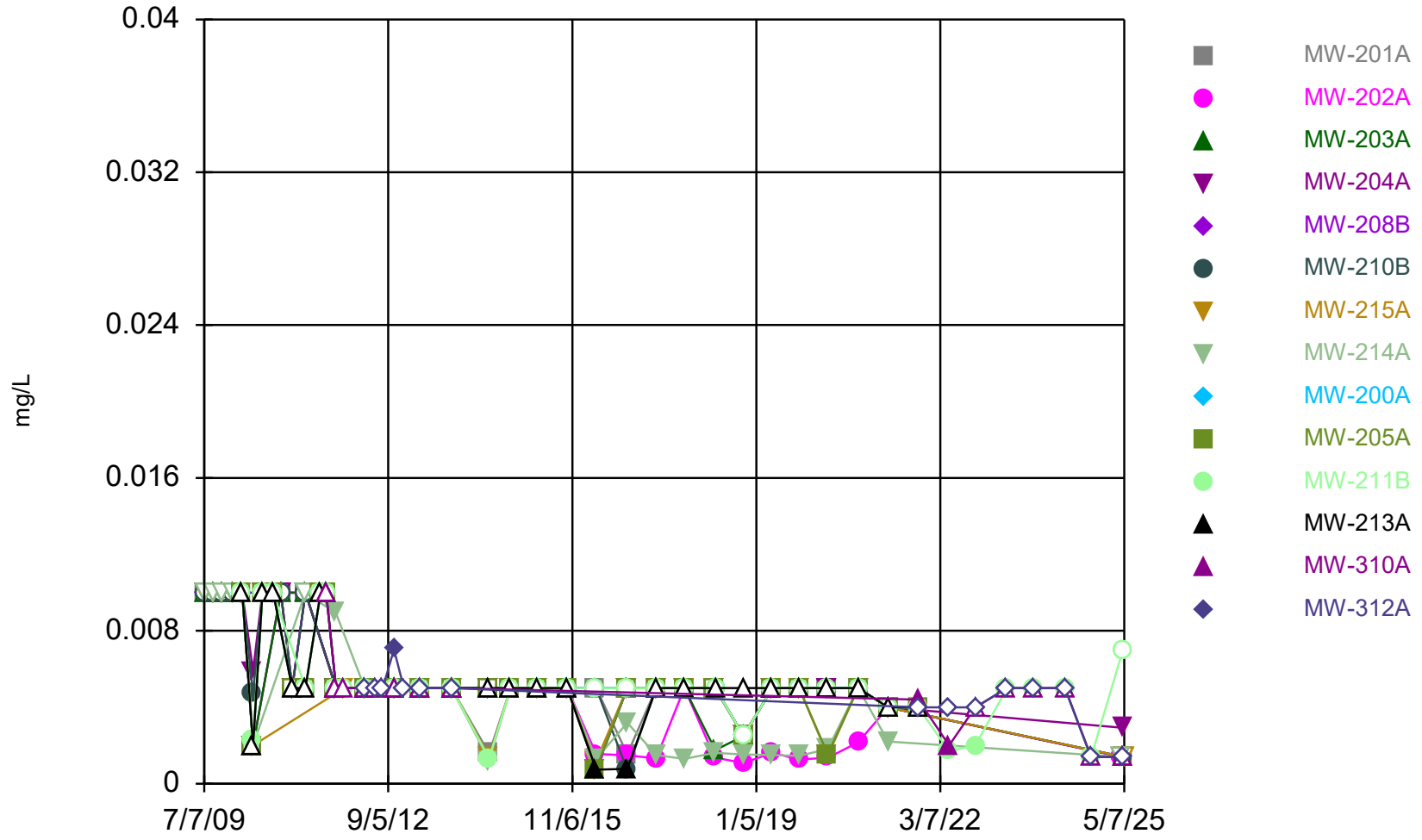


Constituent: Selenium Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

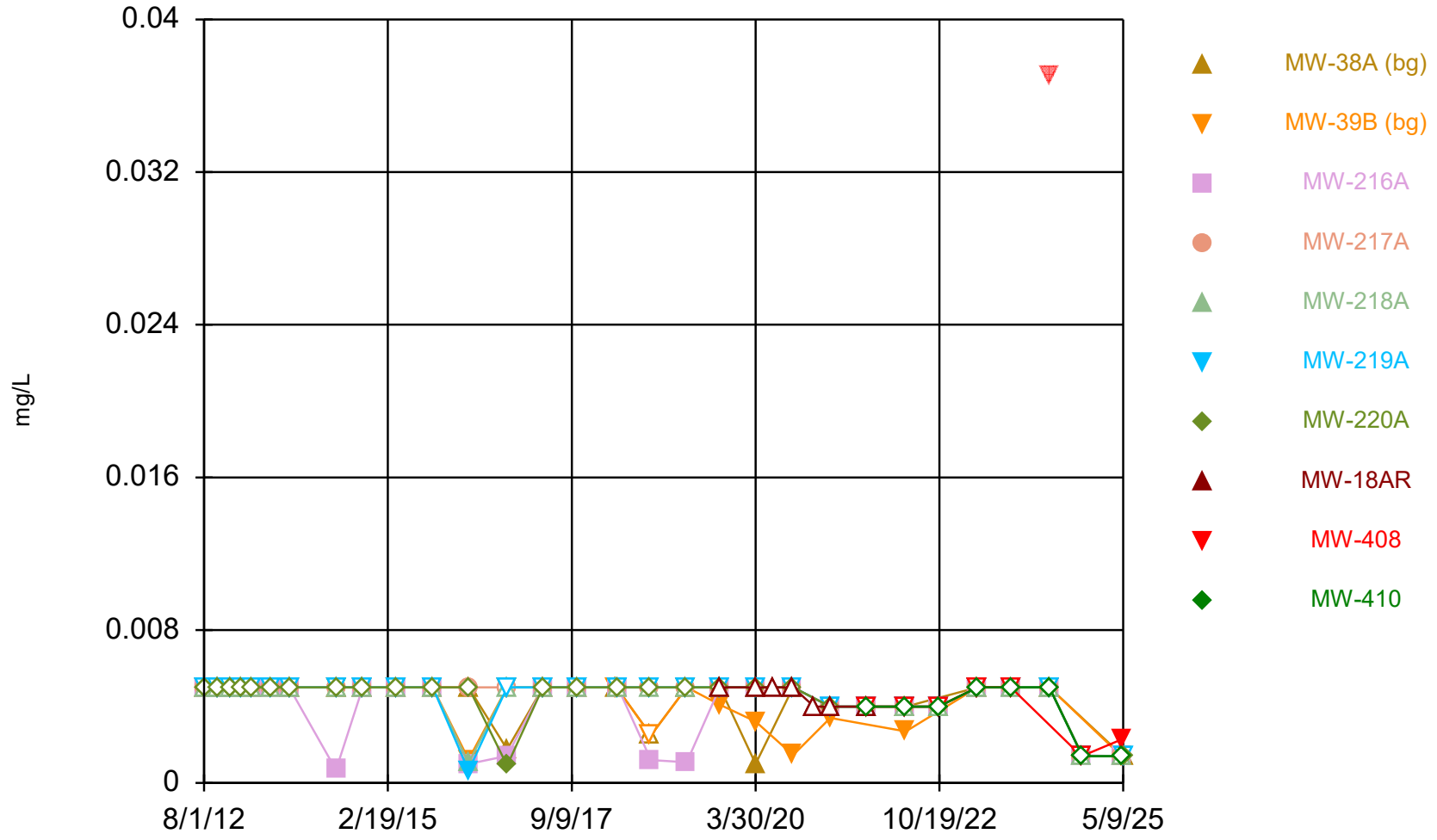


Constituent: Selenium Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

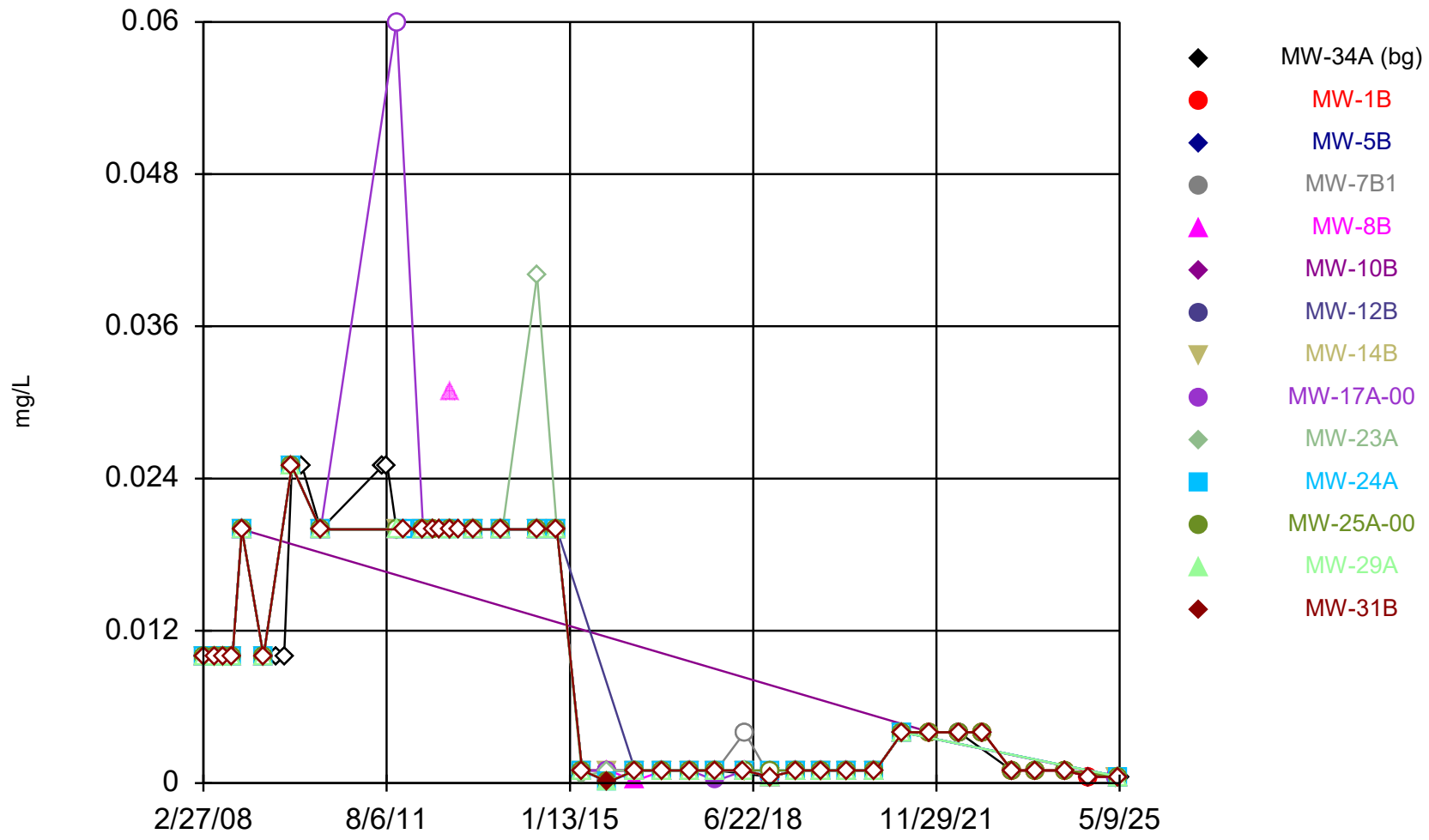


Constituent: Selenium Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

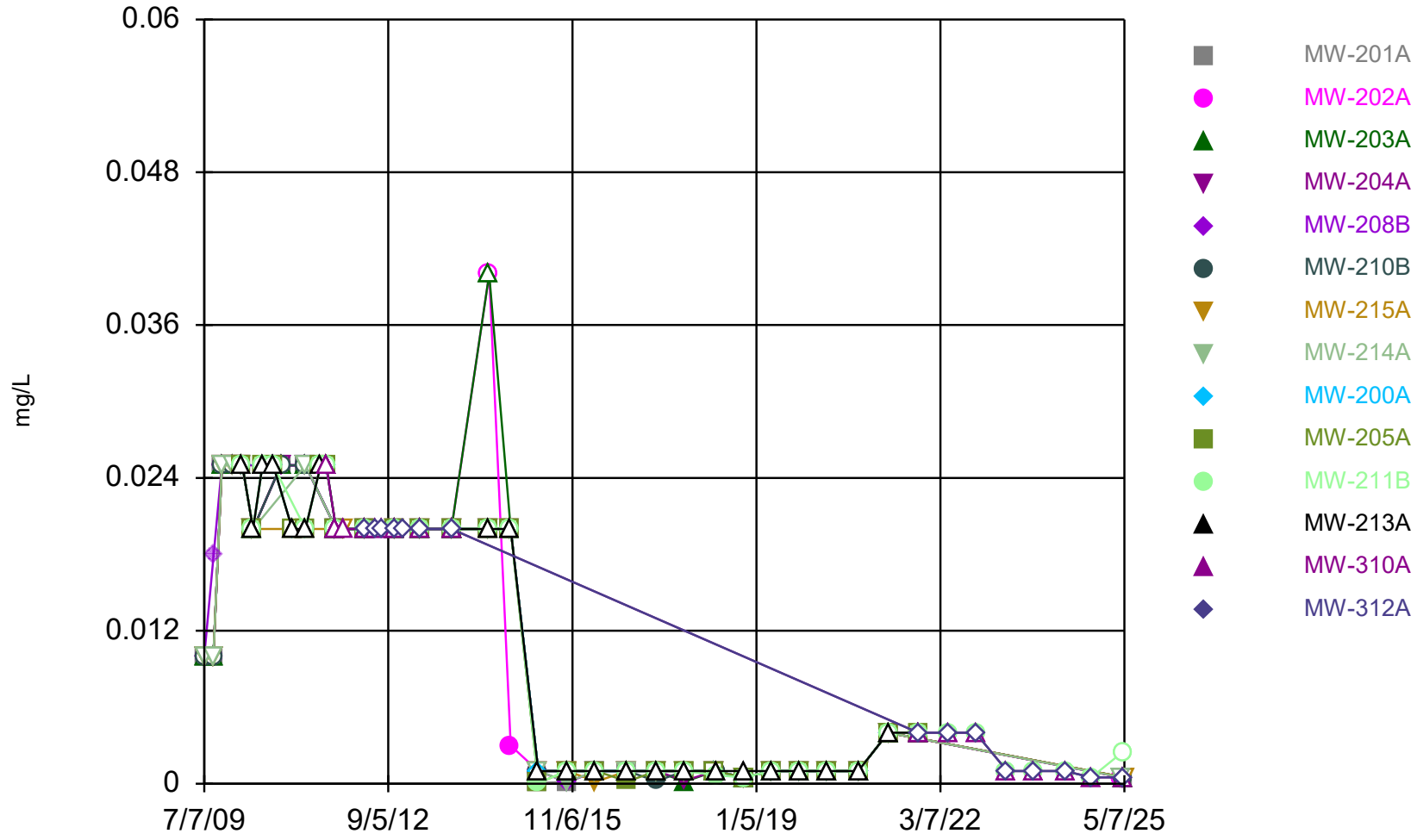


Constituent: Silver Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

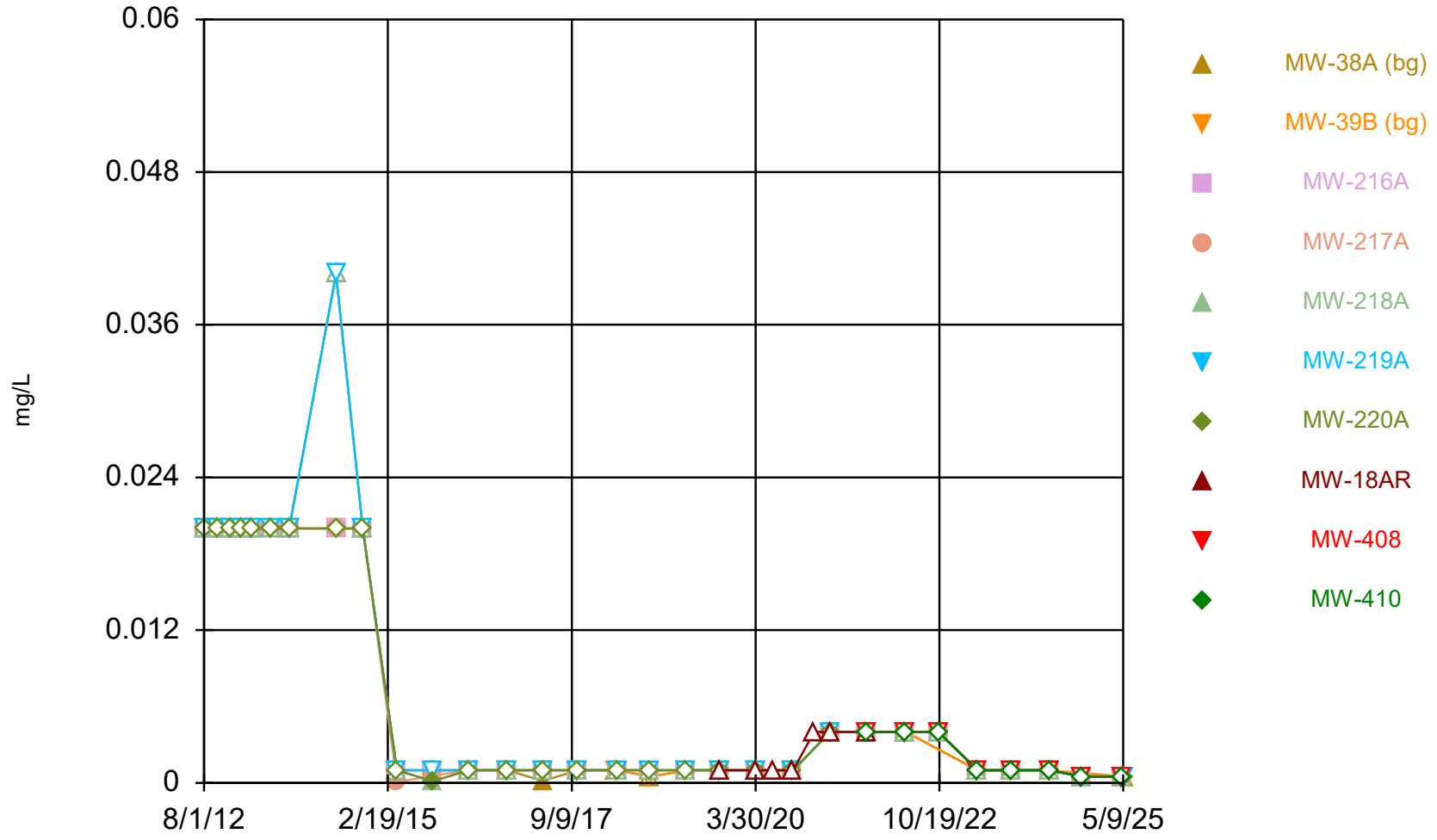


Constituent: Silver Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

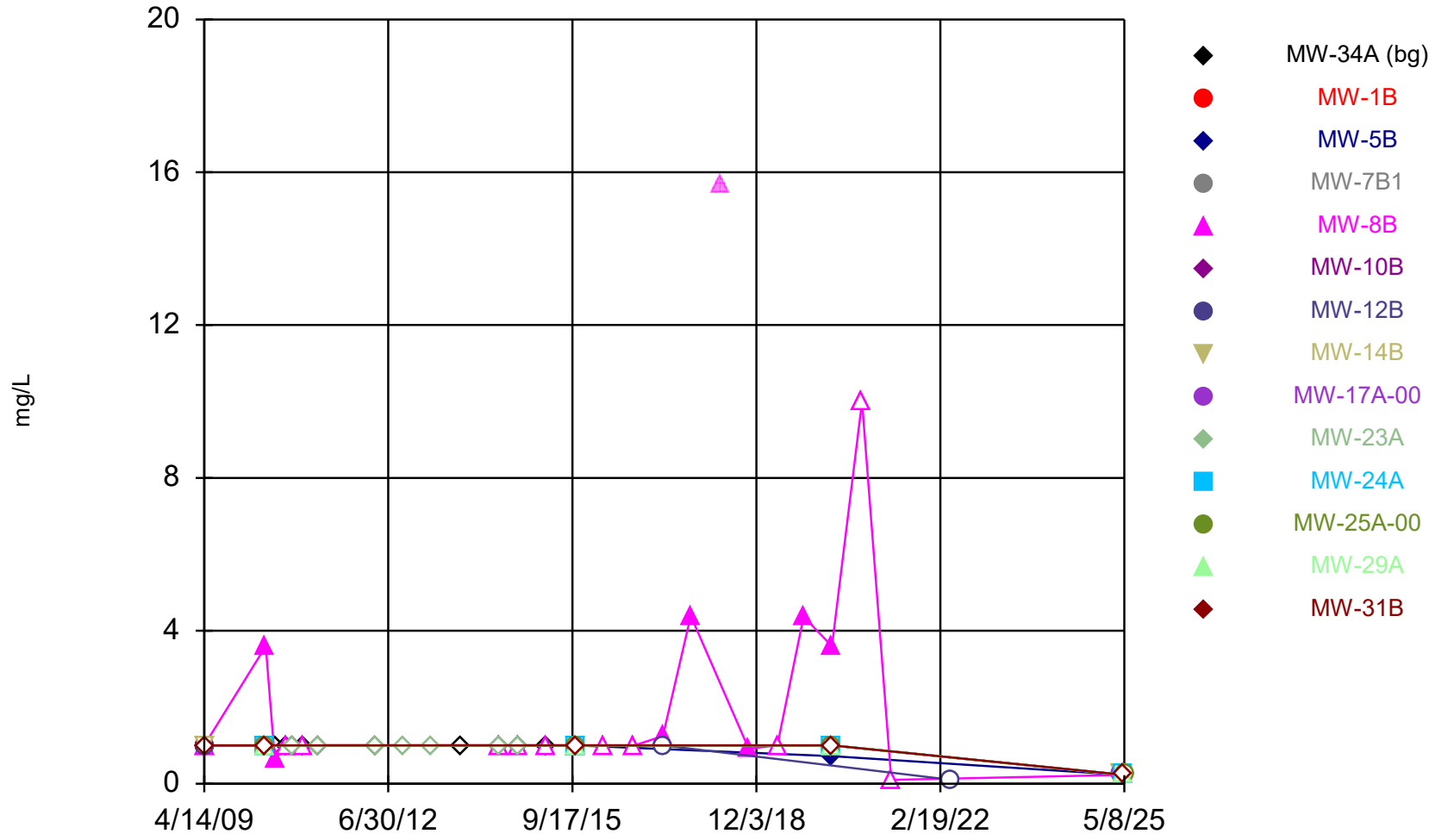


Constituent: Silver Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

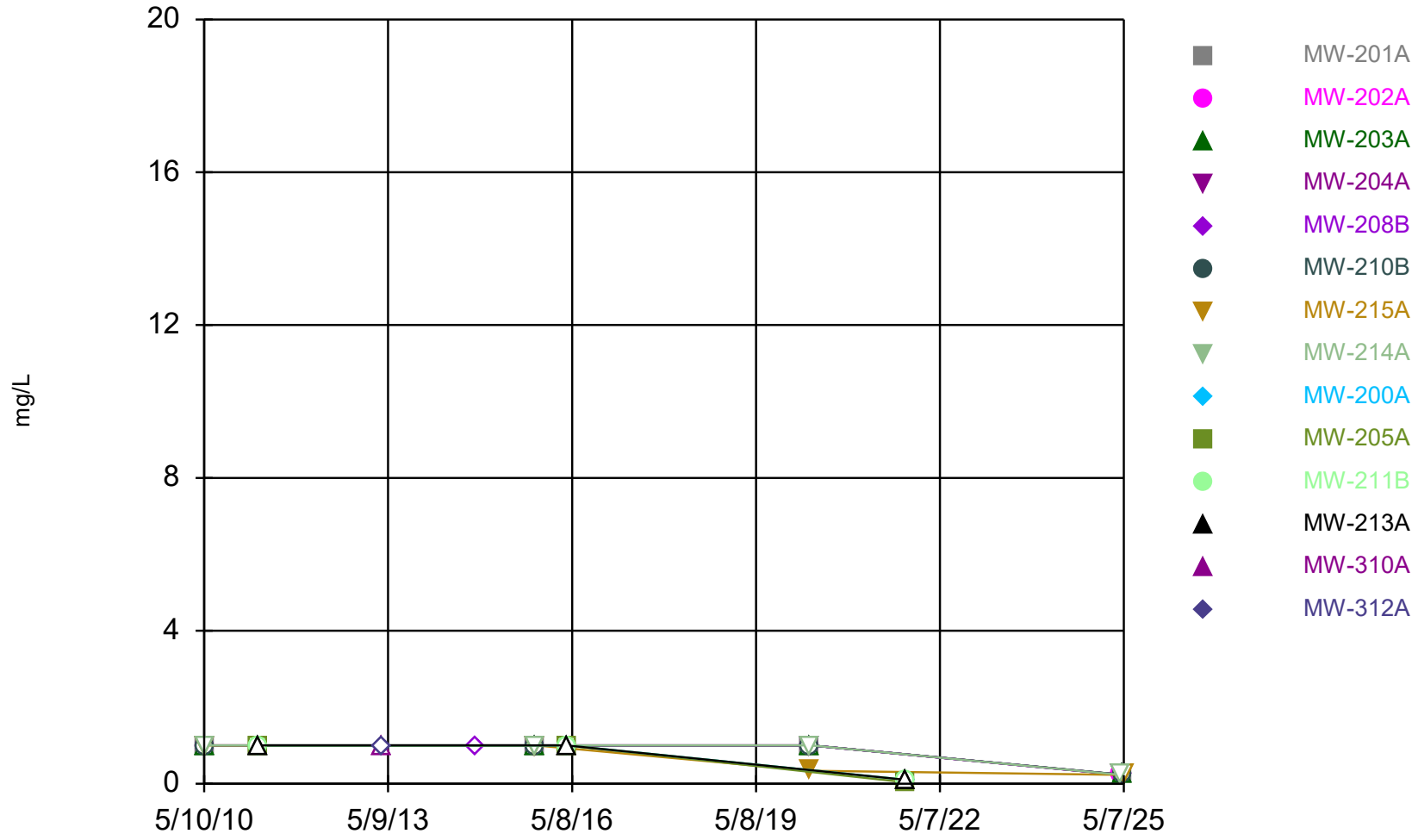


Constituent: Sulfide Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

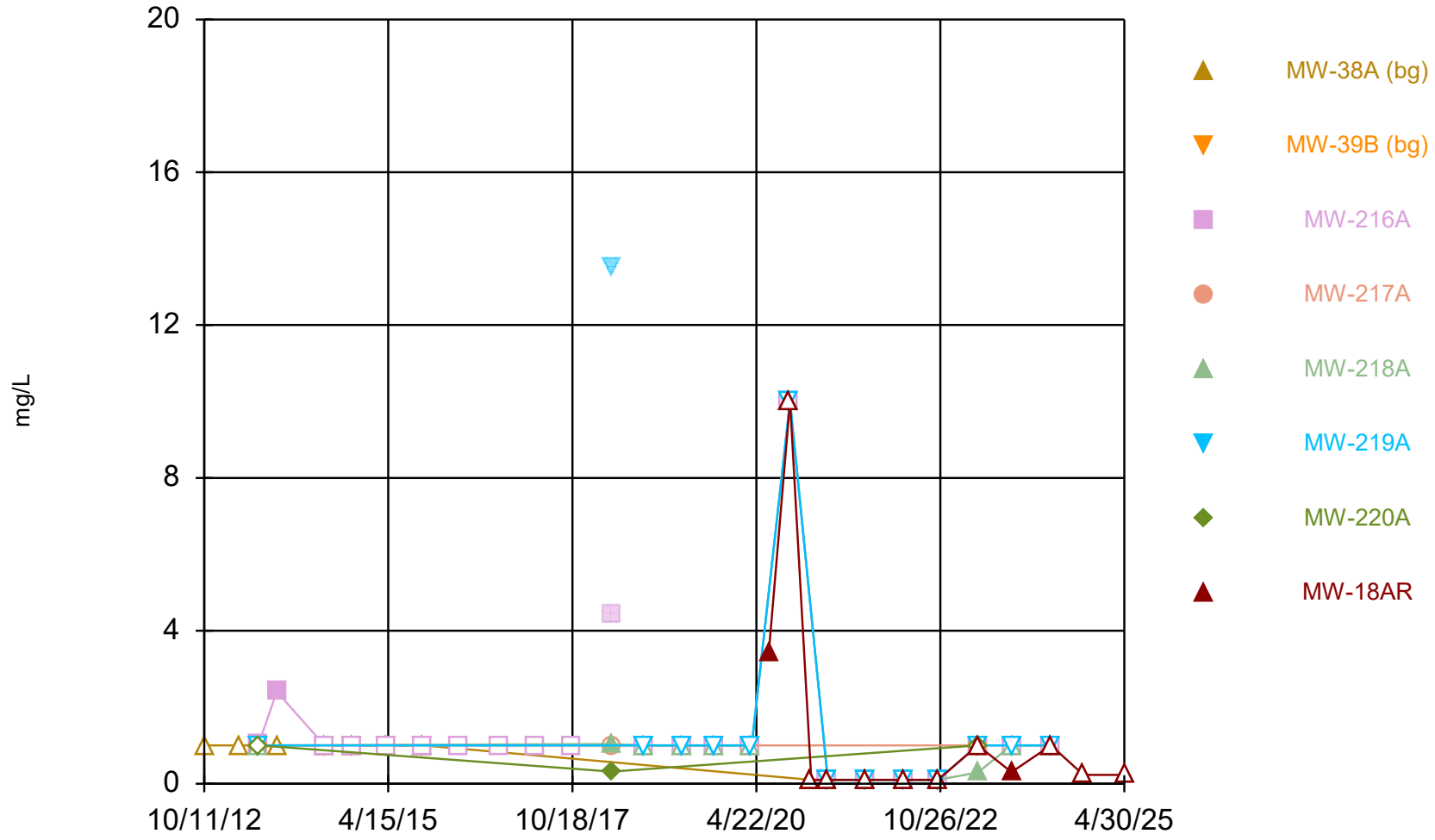


Constituent: Sulfide Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

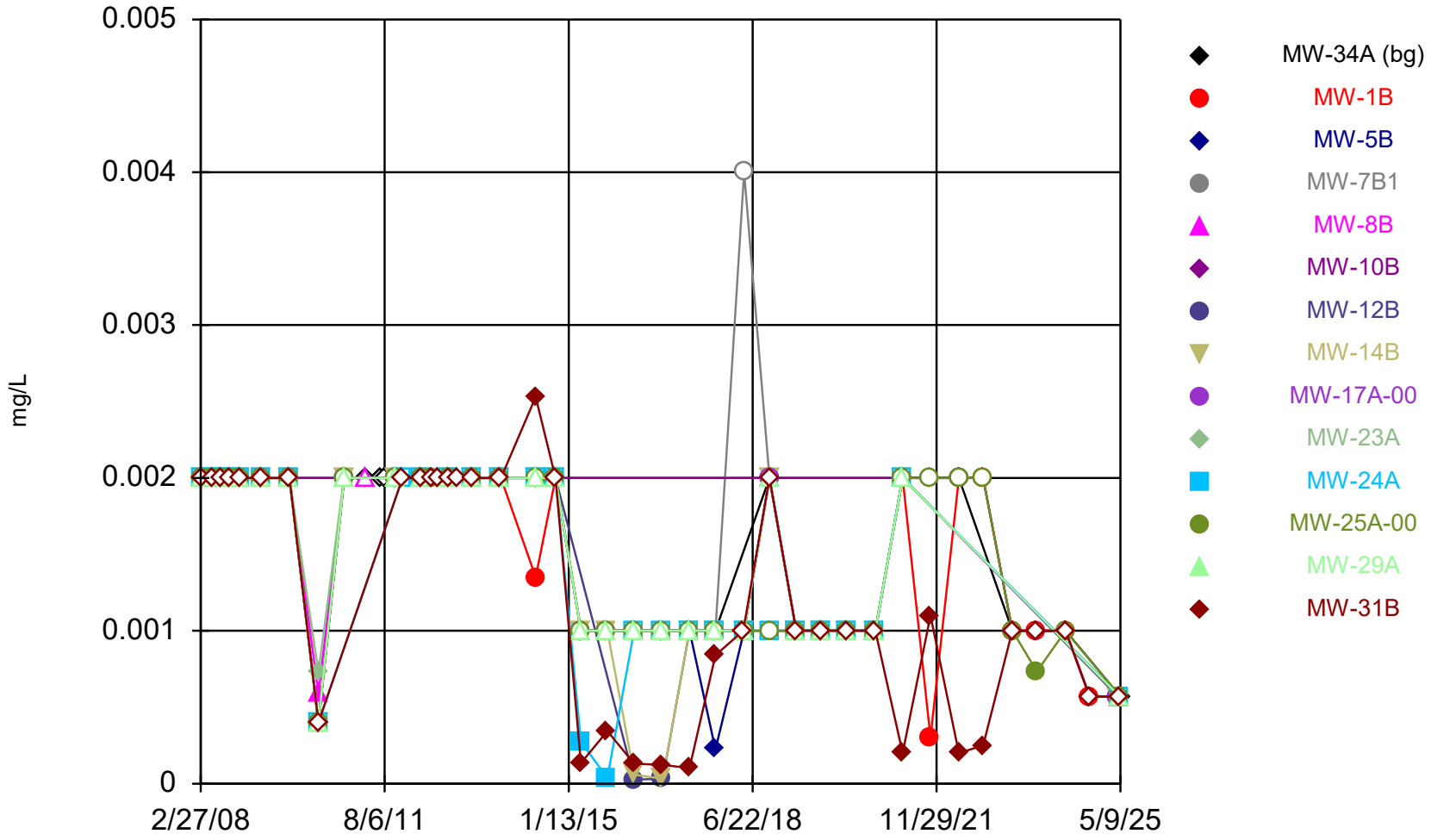


Constituent: Sulfide Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

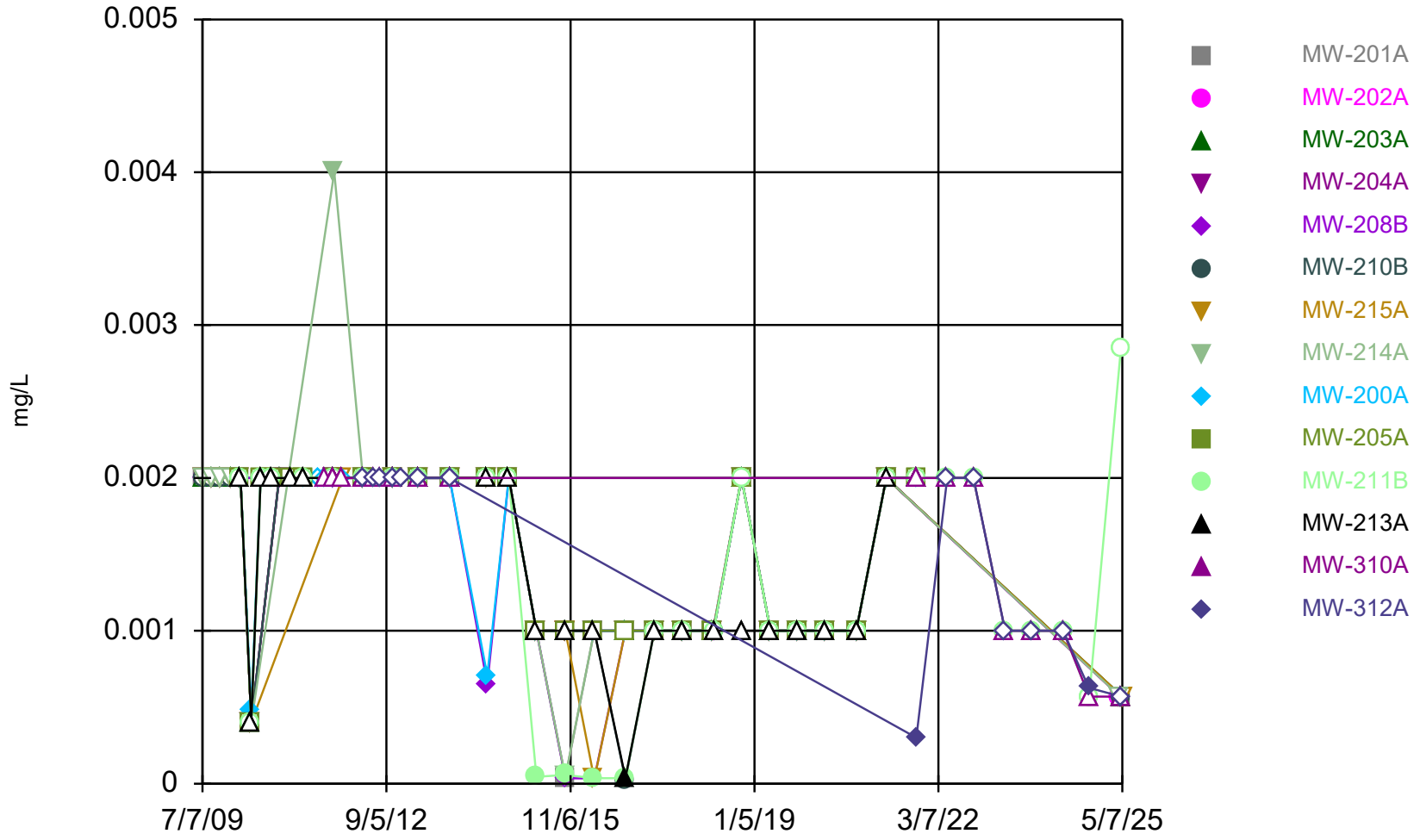


Constituent: Thallium Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

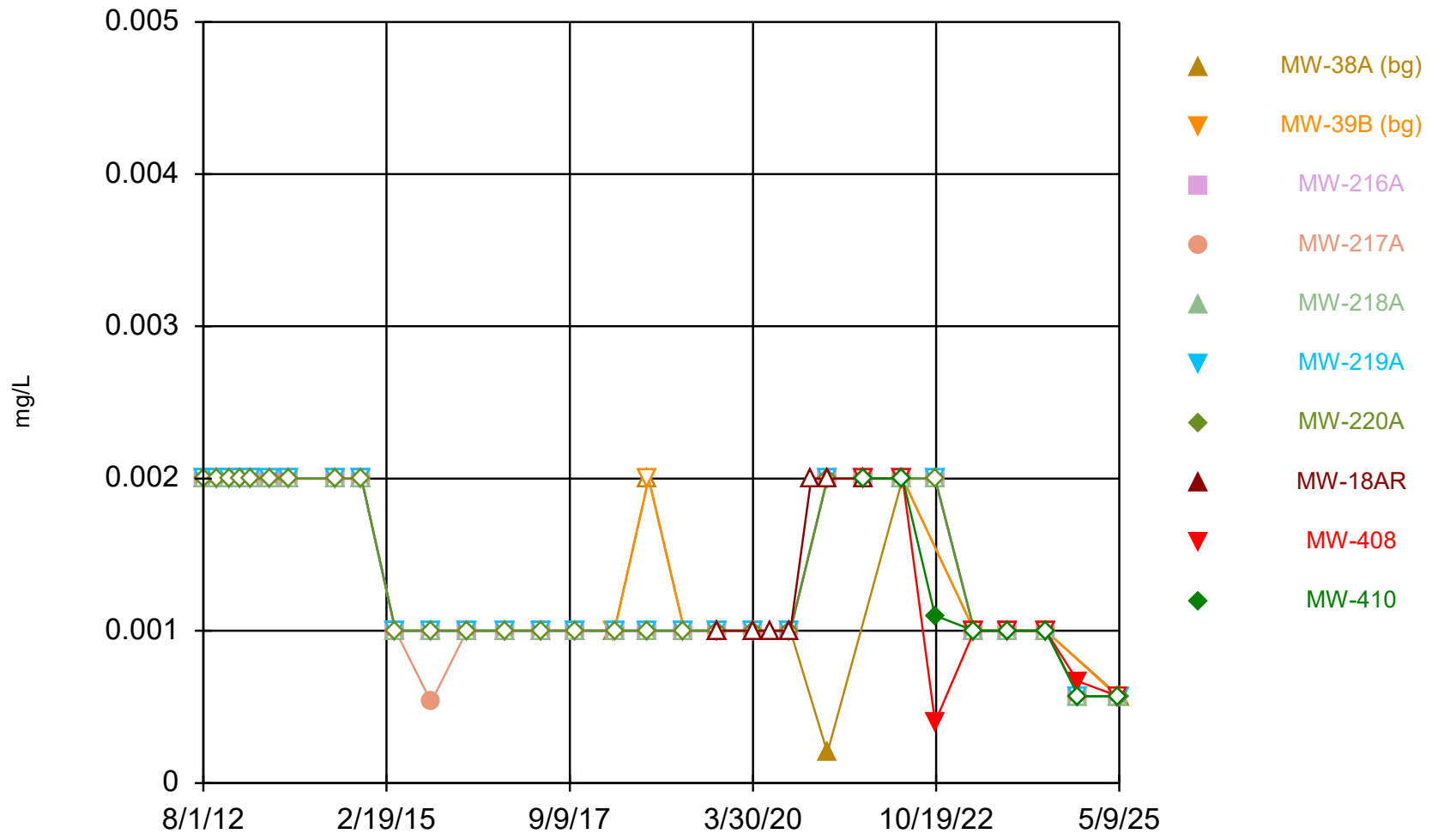


Constituent: Thallium Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

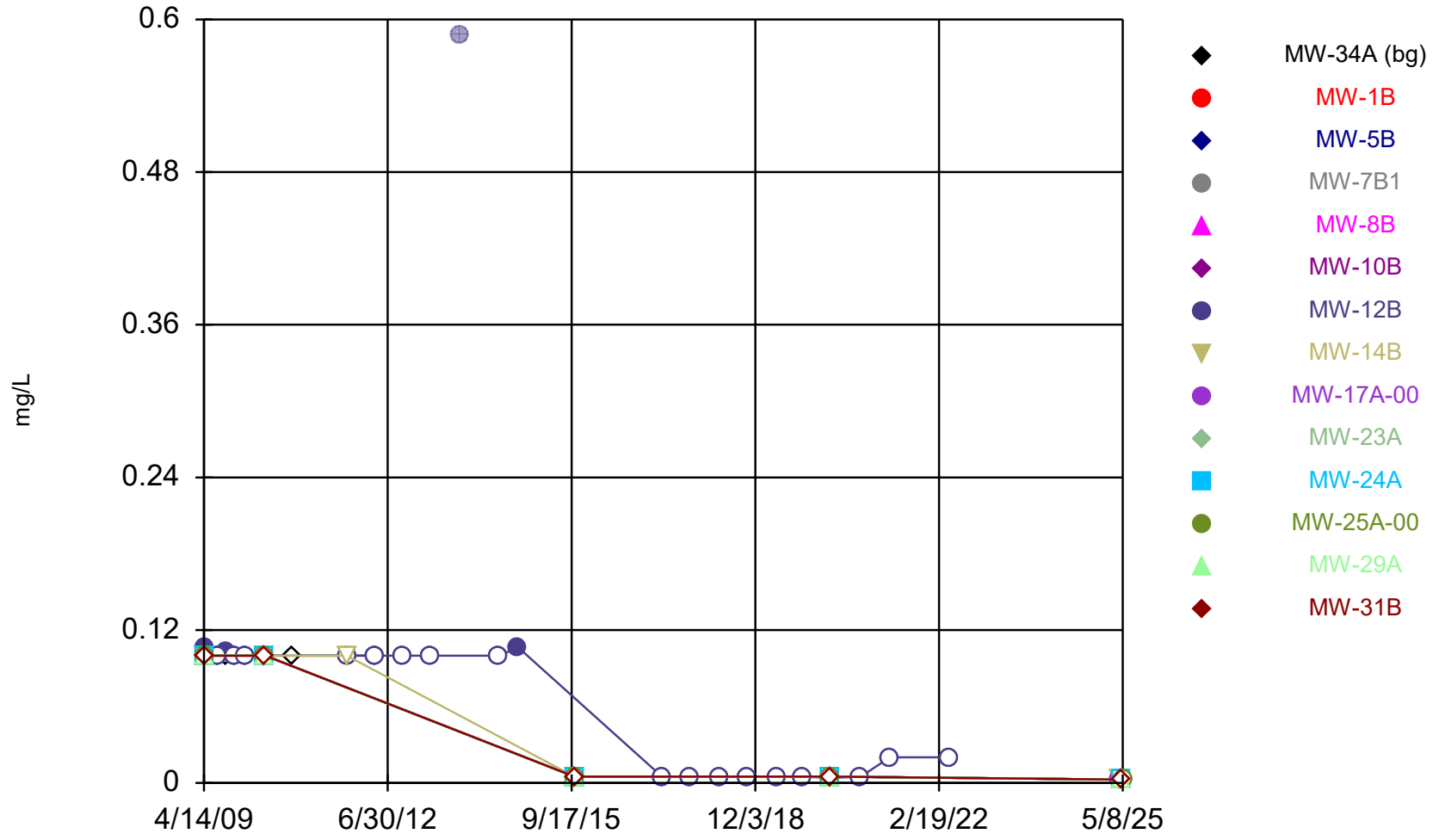


Constituent: Thallium Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

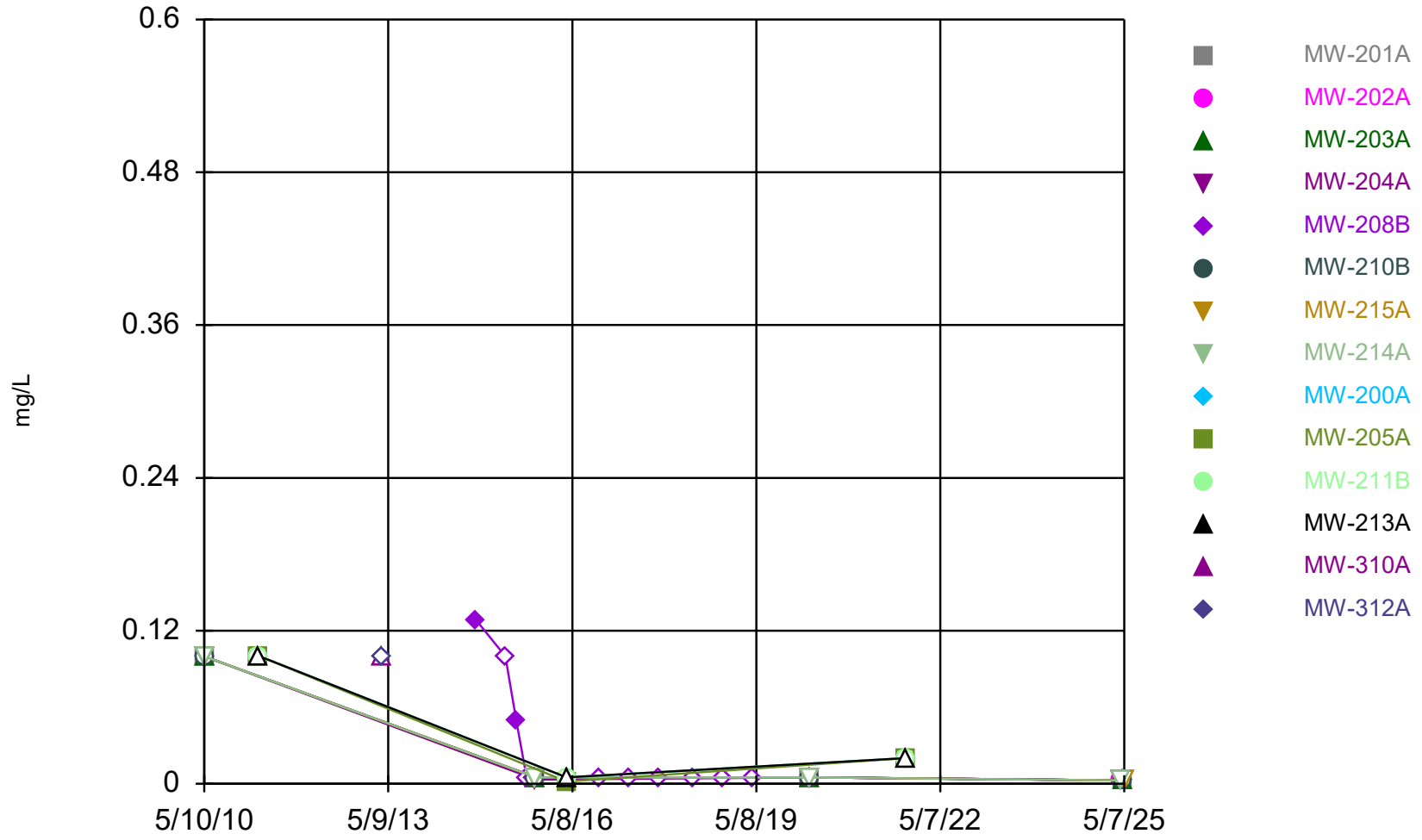


Constituent: Tin Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

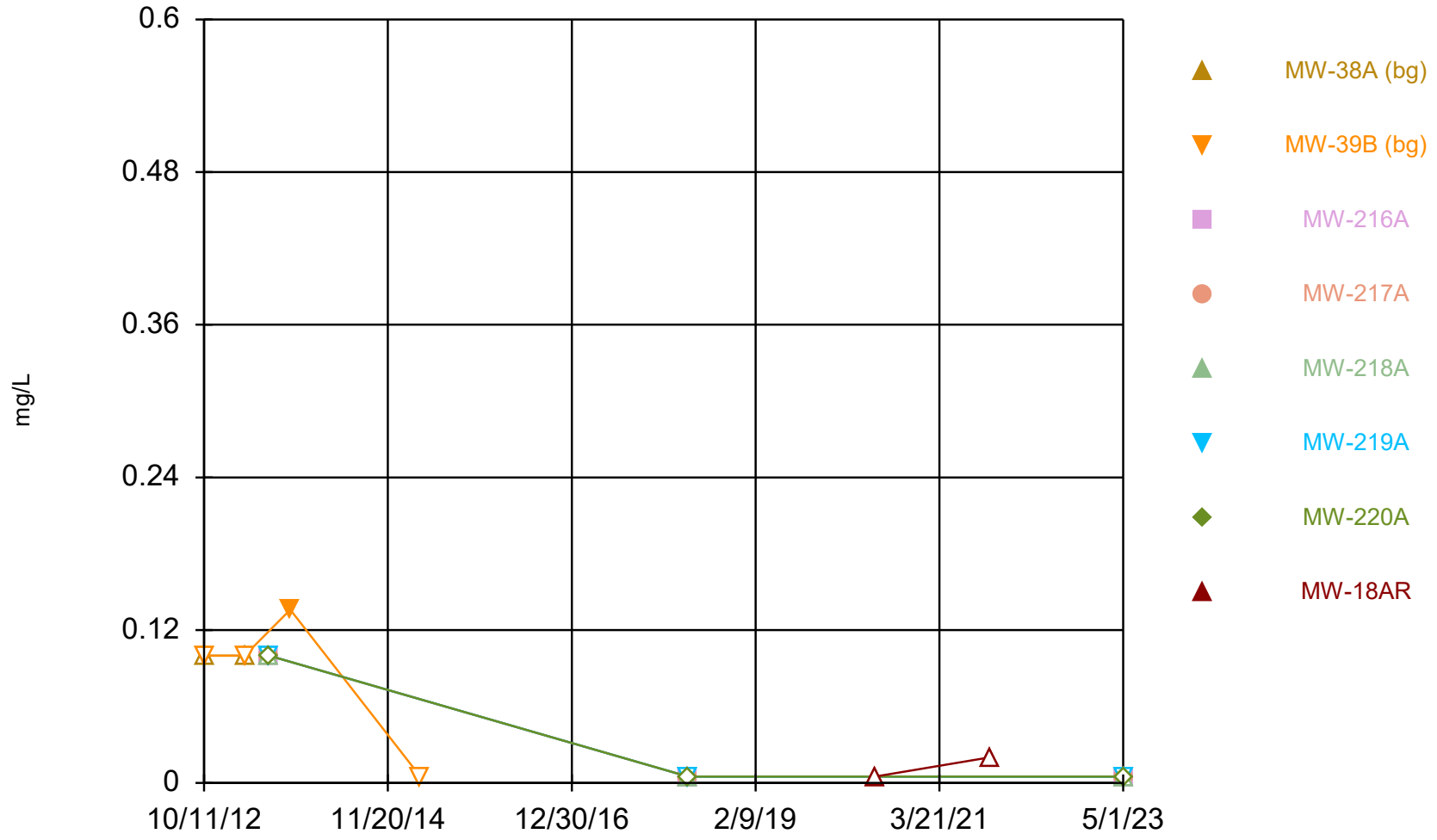


Constituent: Tin Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

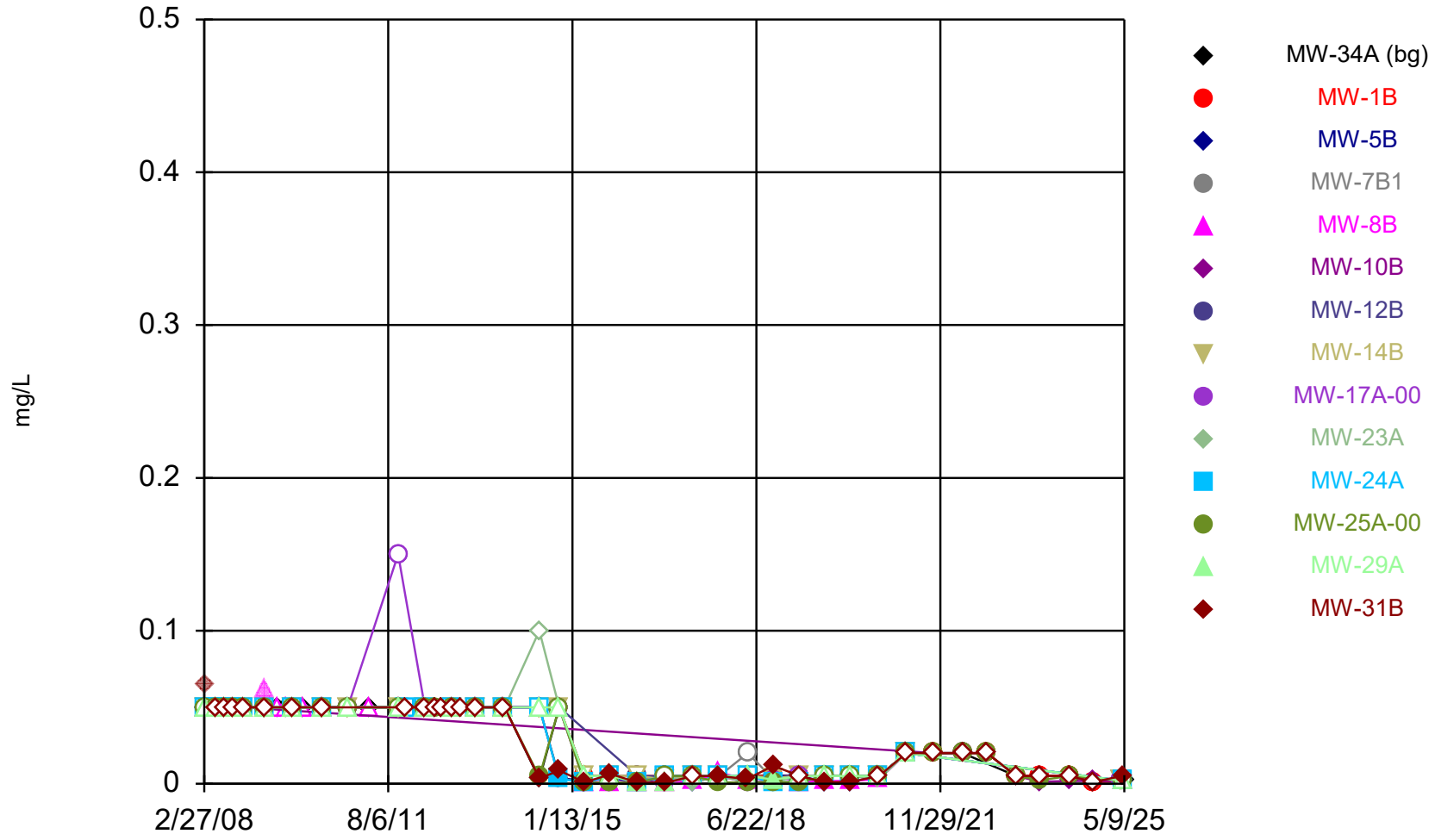


Constituent: Tin Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

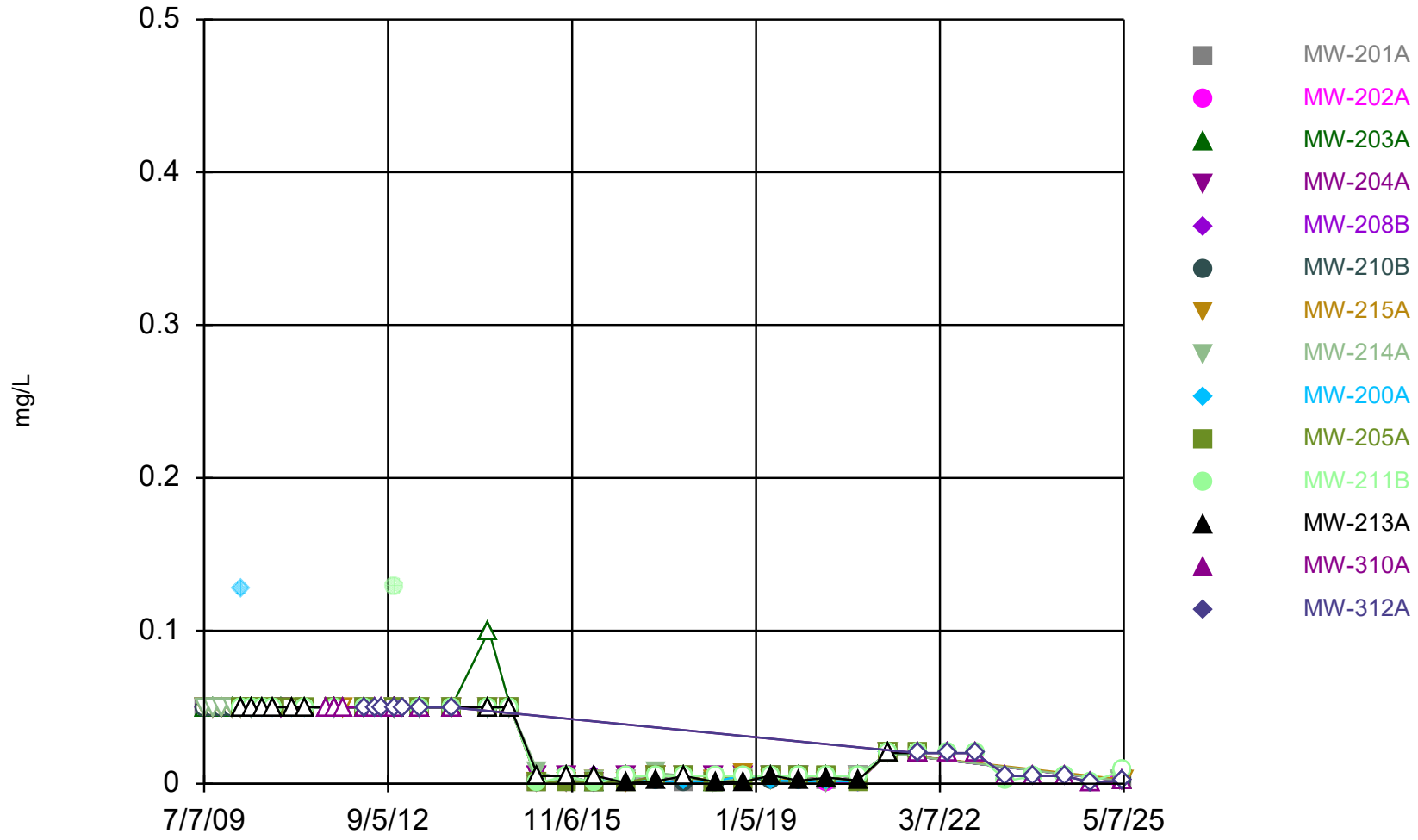


Constituent: Vanadium Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

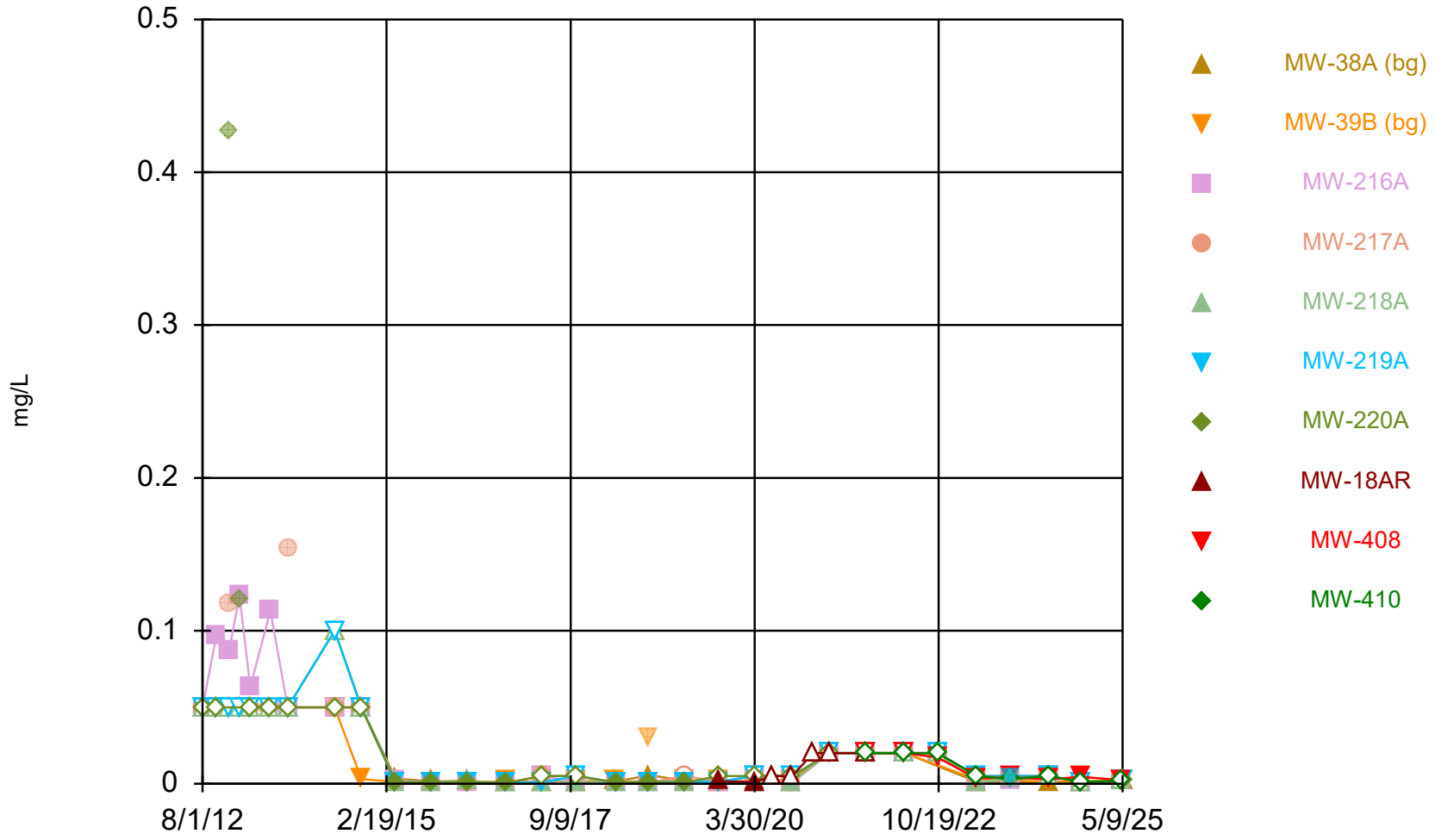


Constituent: Vanadium Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

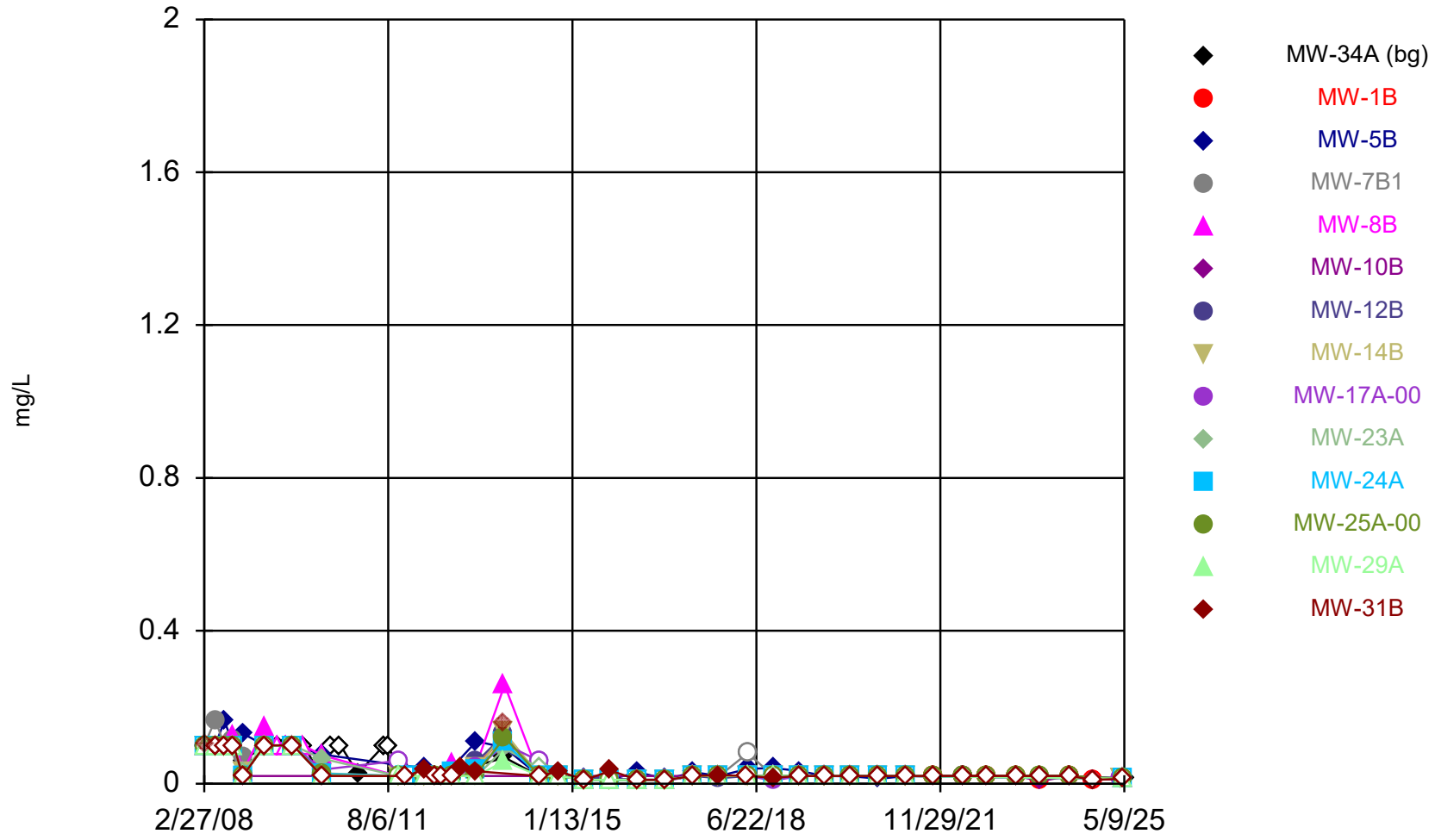


Constituent: Vanadium Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

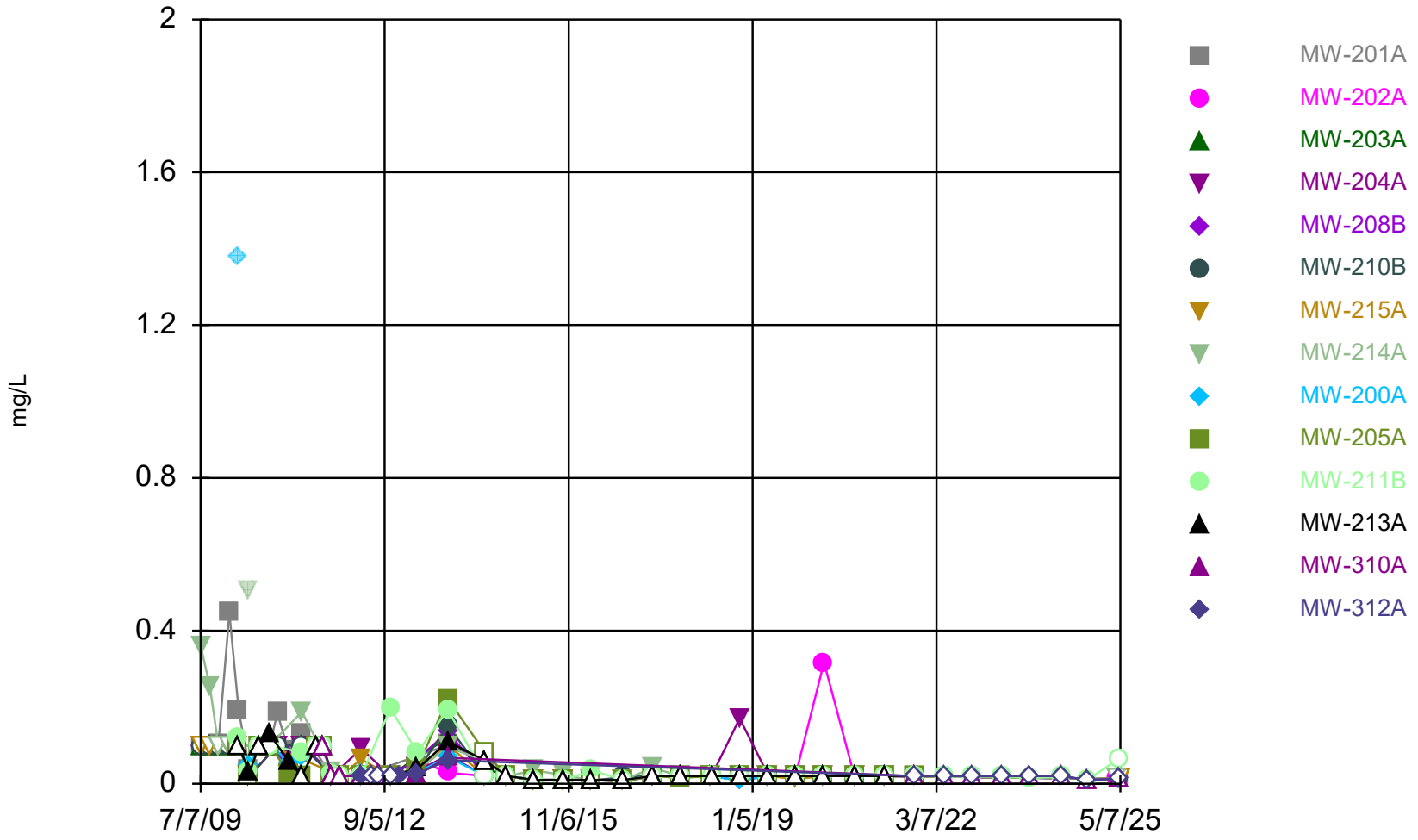


Constituent: Zinc Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

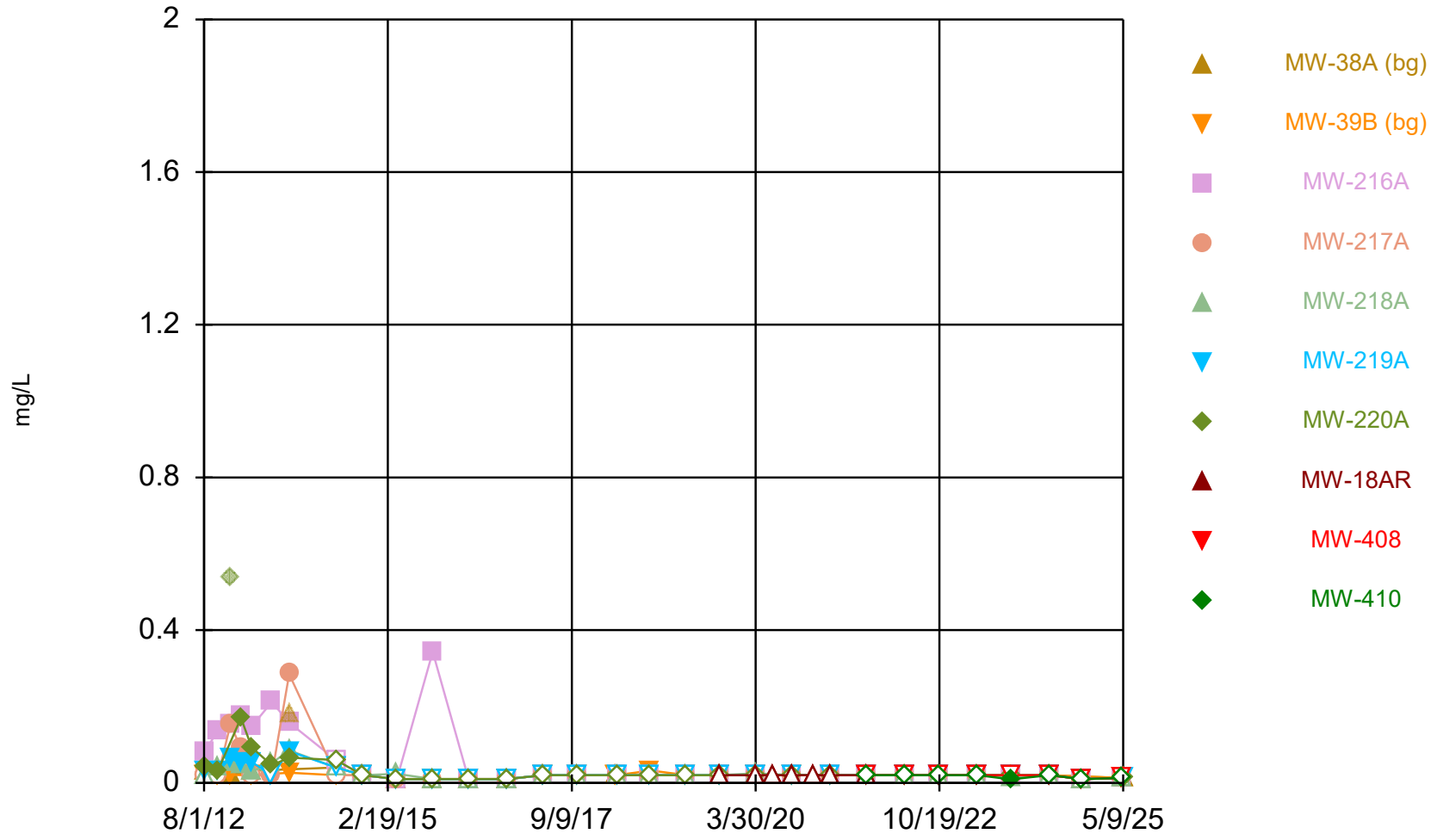


Constituent: Zinc Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

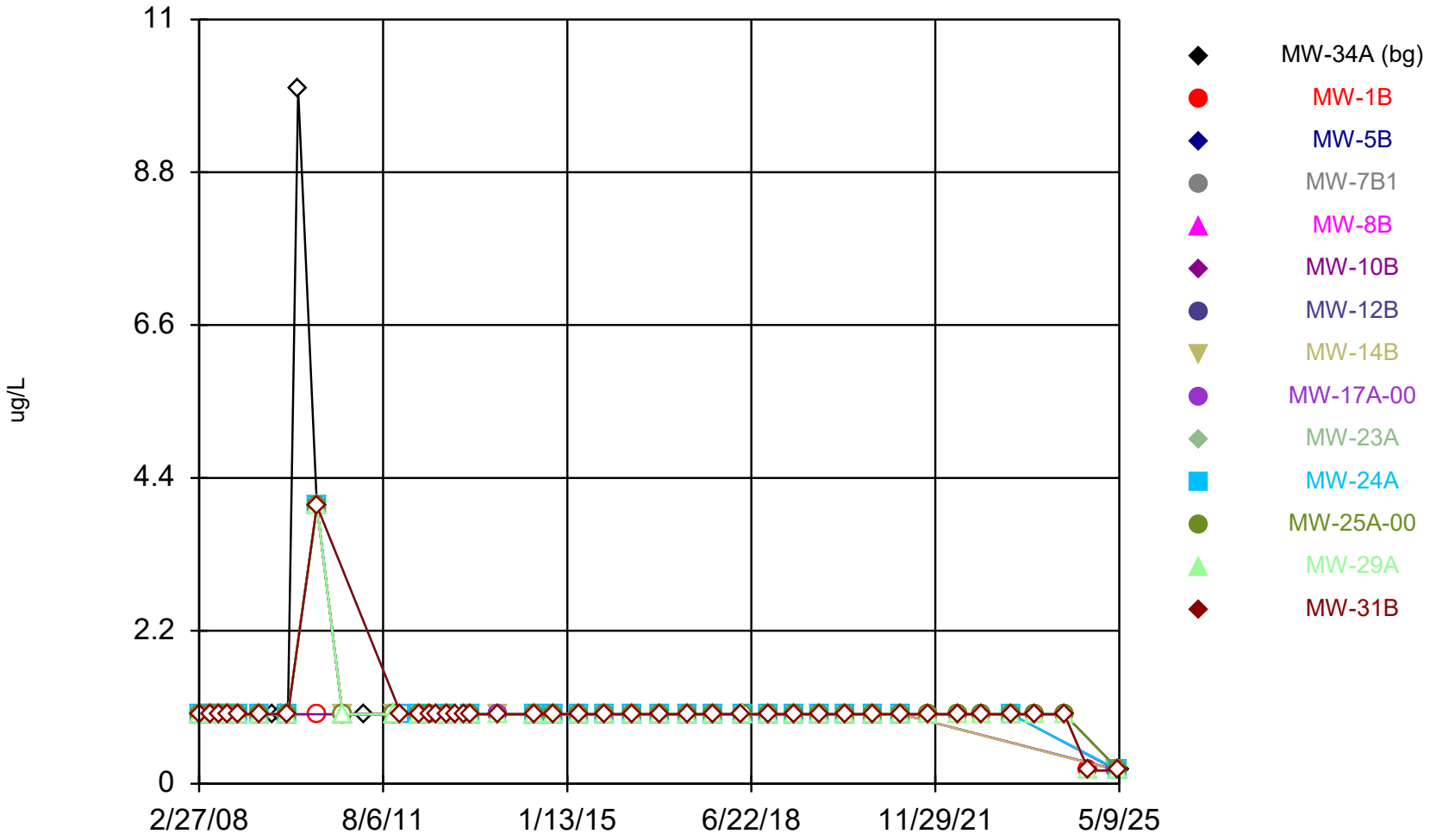


Constituent: Zinc Analysis Run 7/13/2025 8:09 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

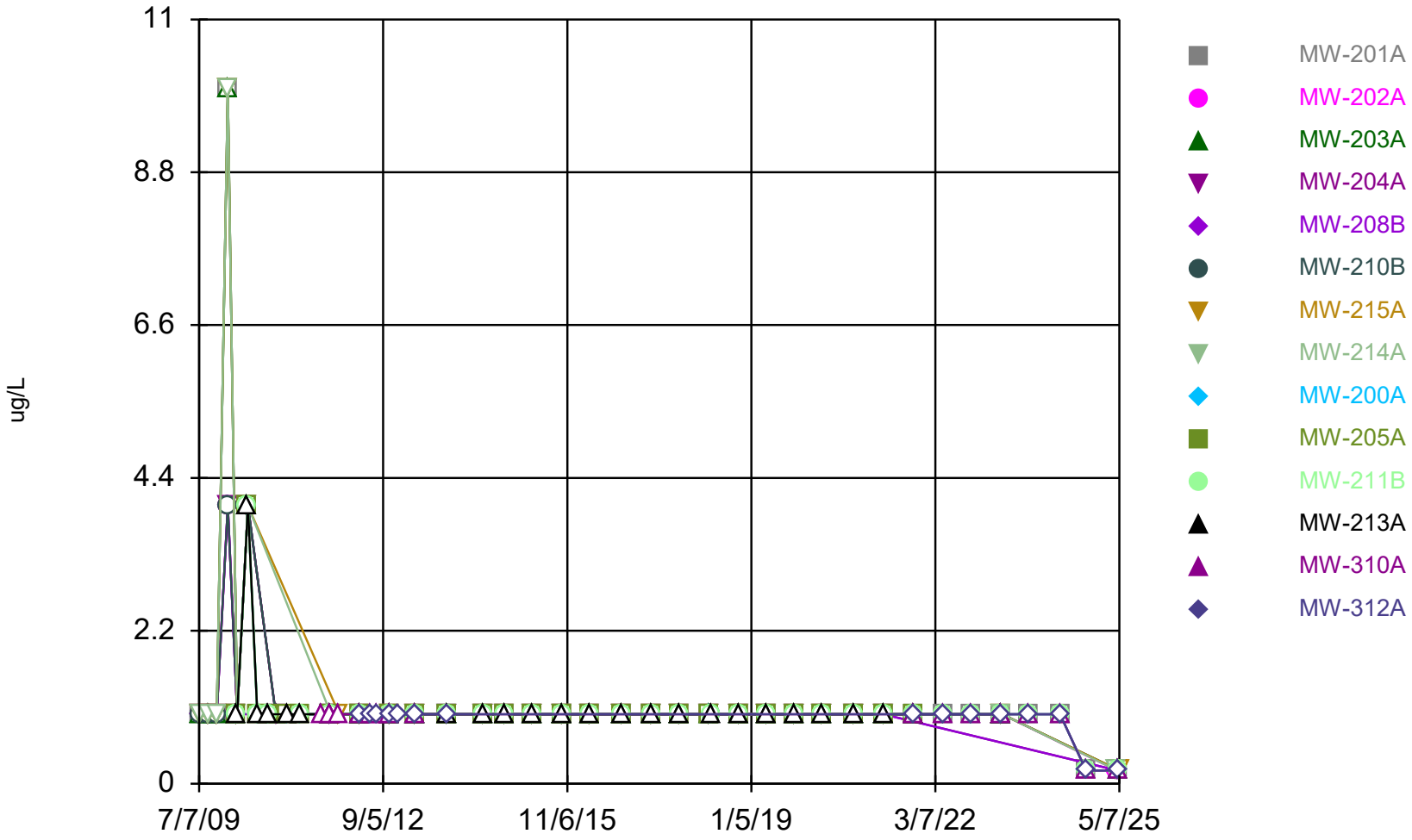


Constituent: 1,1,1-Trichloroethane Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

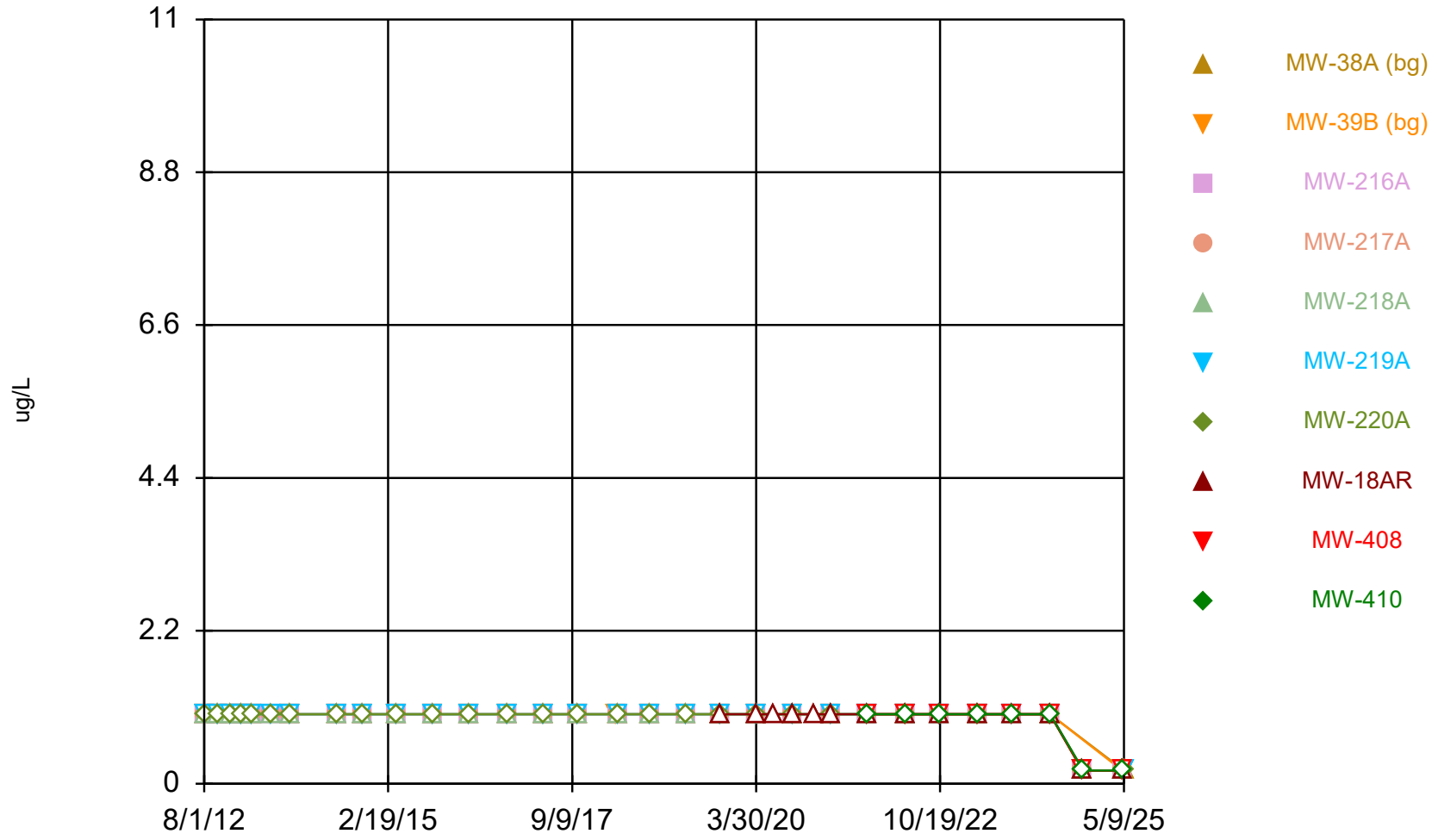


Constituent: 1,1,1-Trichloroethane Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

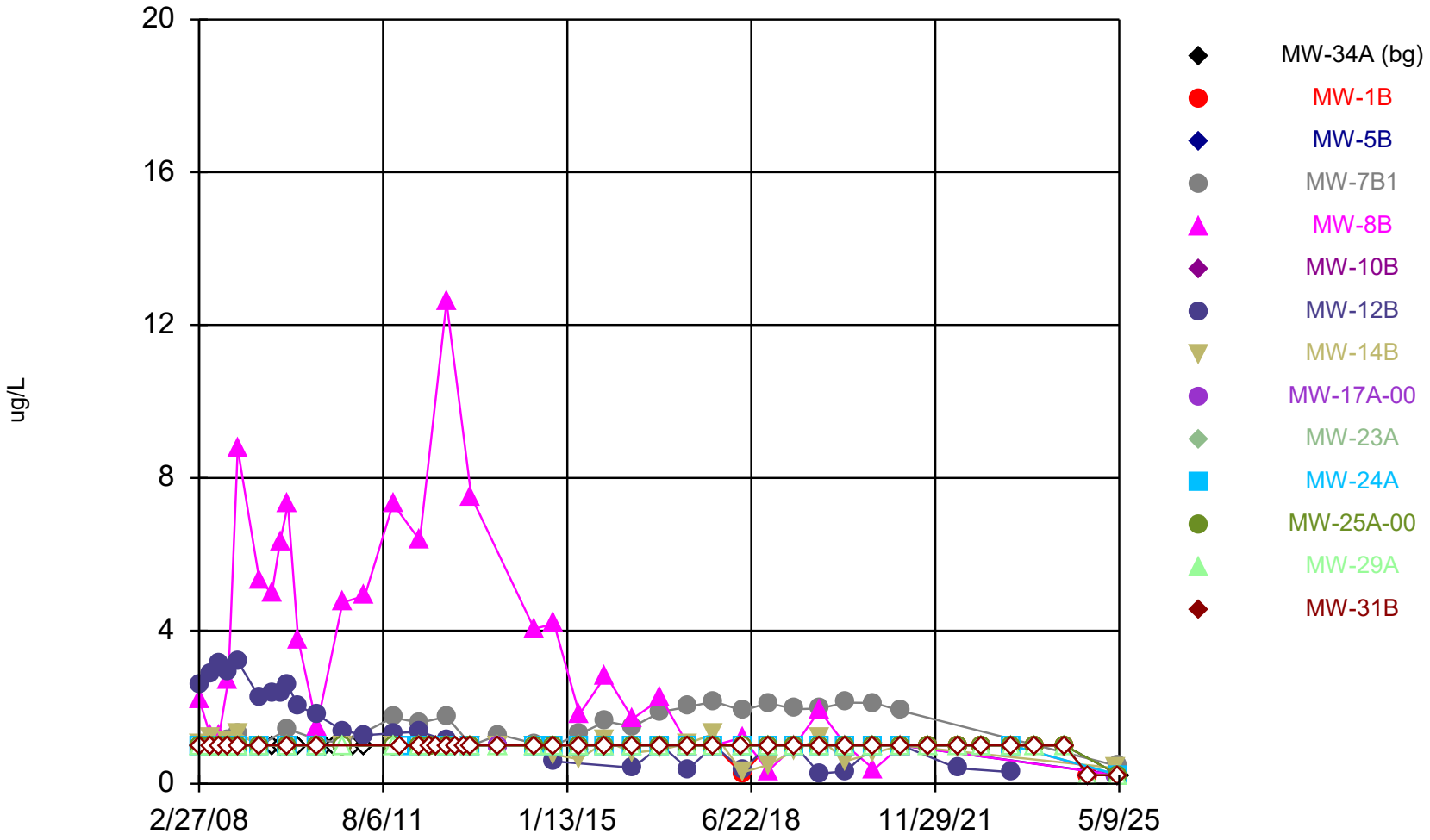


Constituent: 1,1,1-Trichloroethane Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

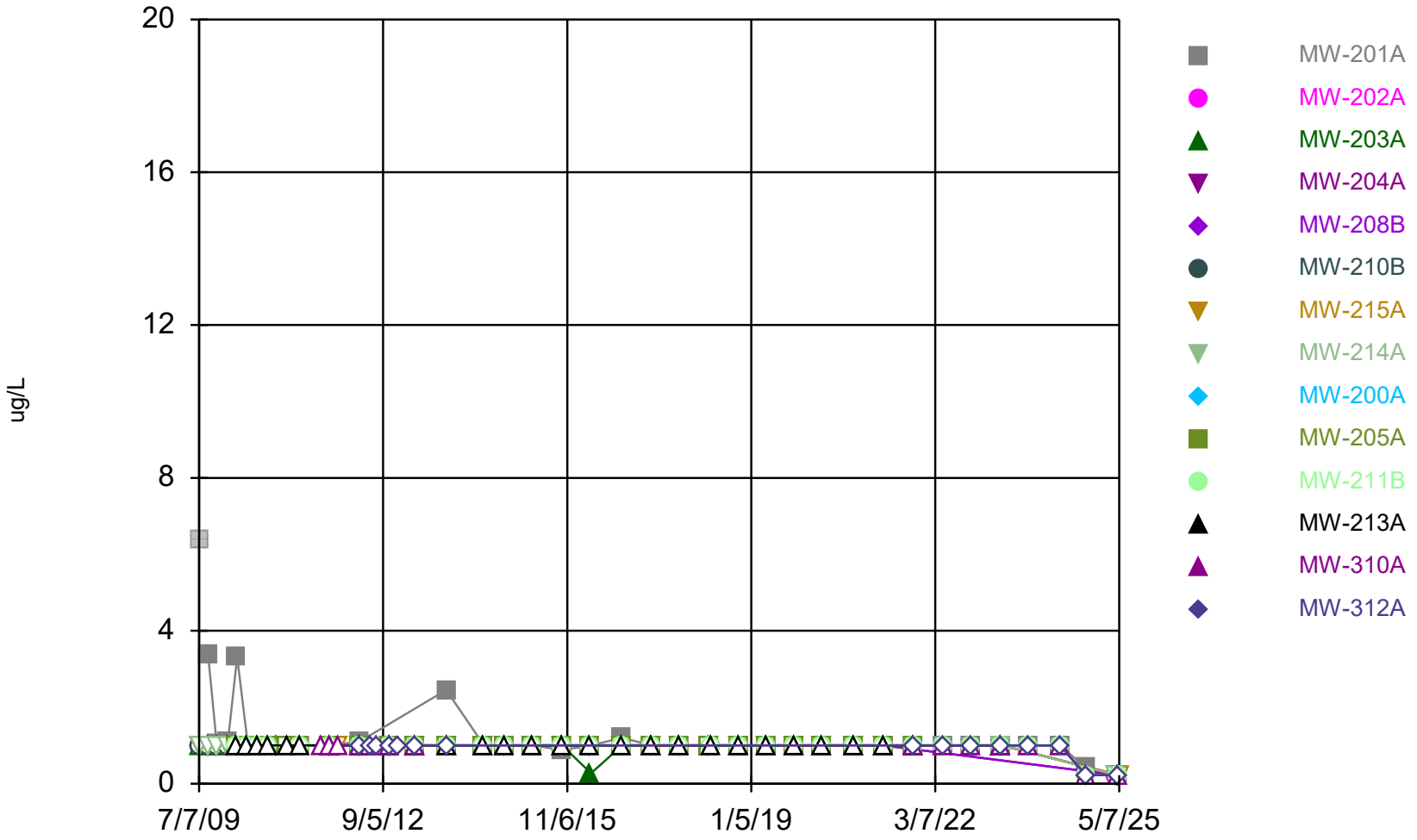


Constituent: 1,1-Dichloroethane Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

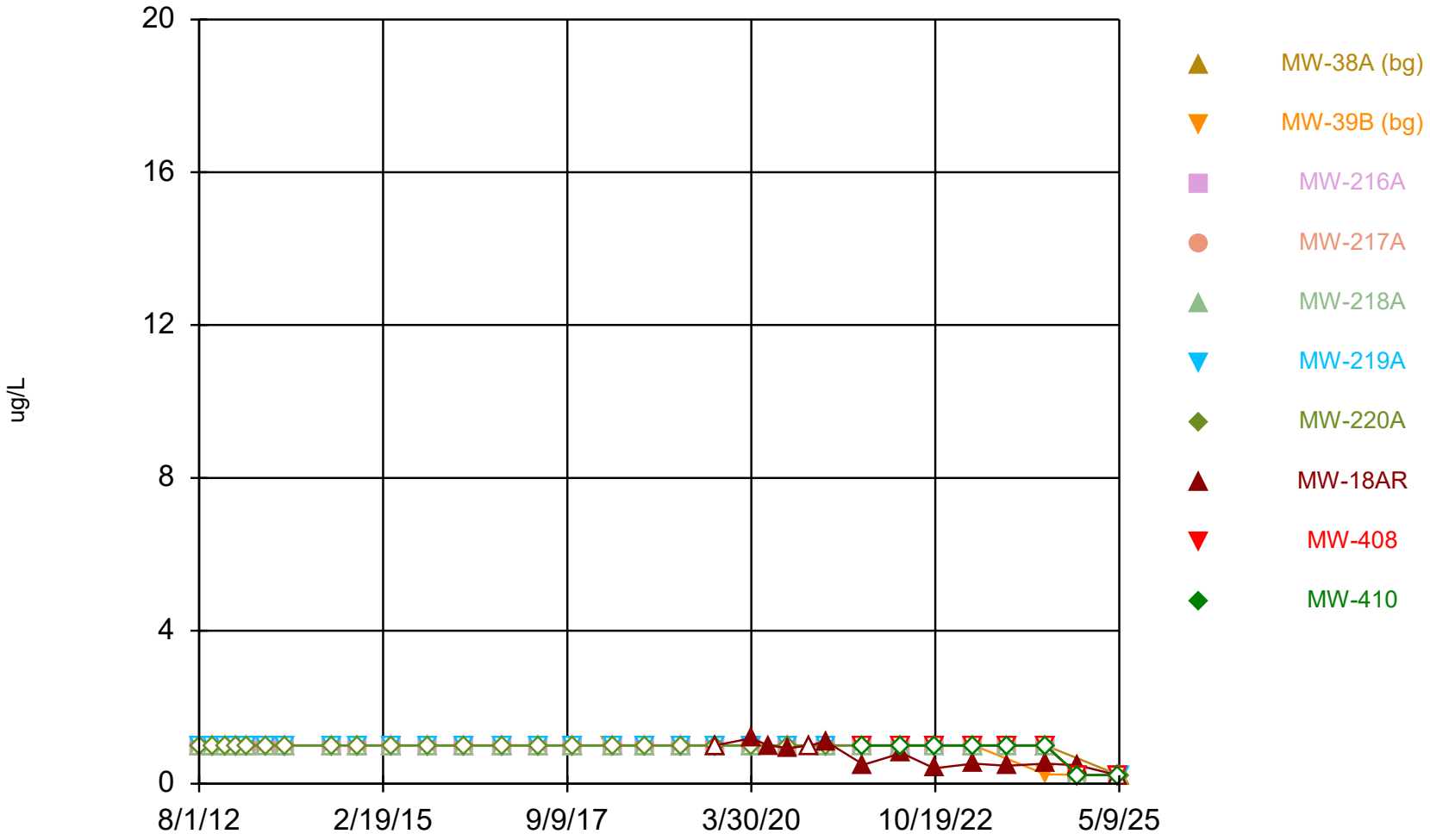


Constituent: 1,1-Dichloroethane Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

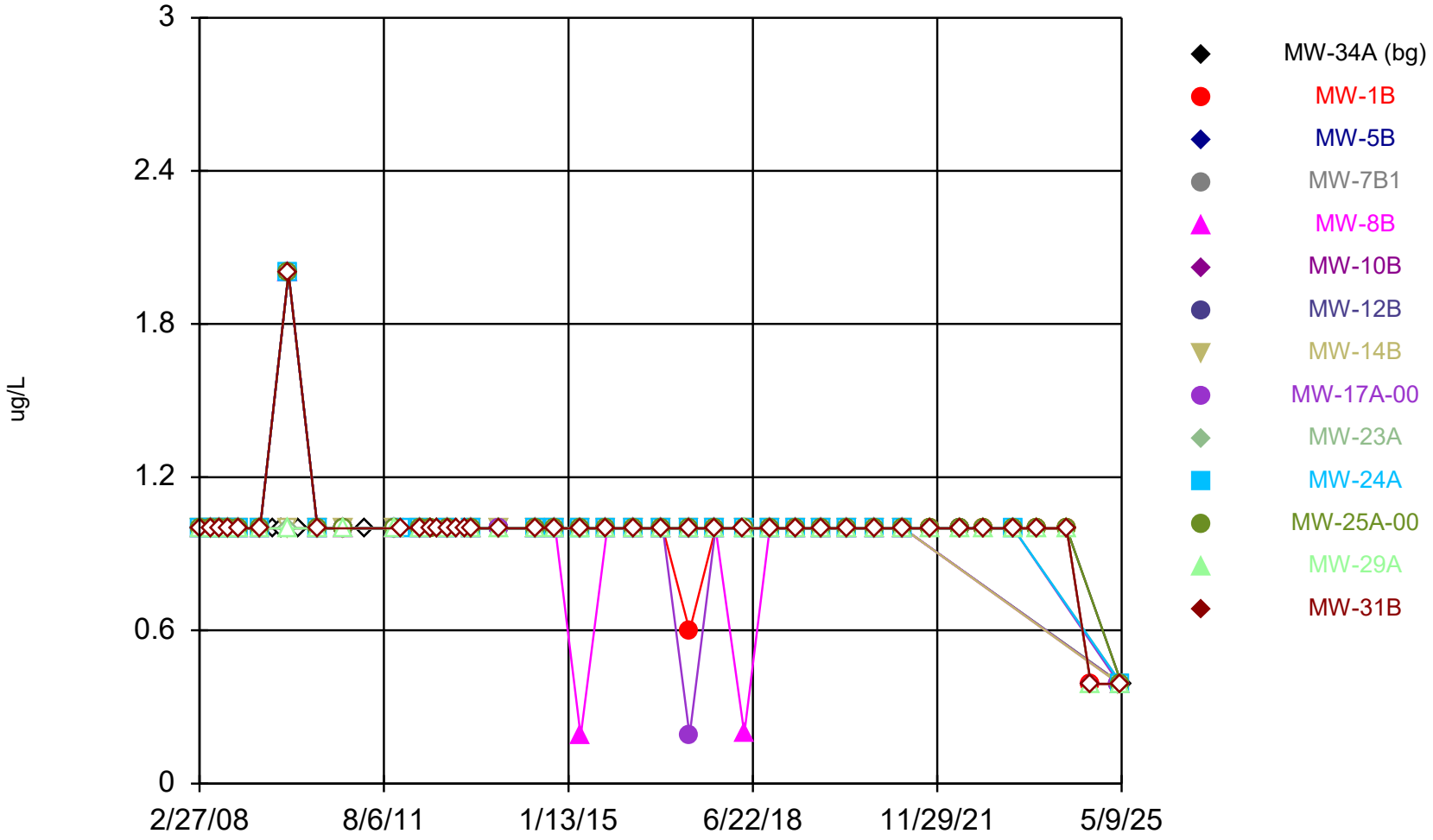


Constituent: 1,1-Dichloroethane Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

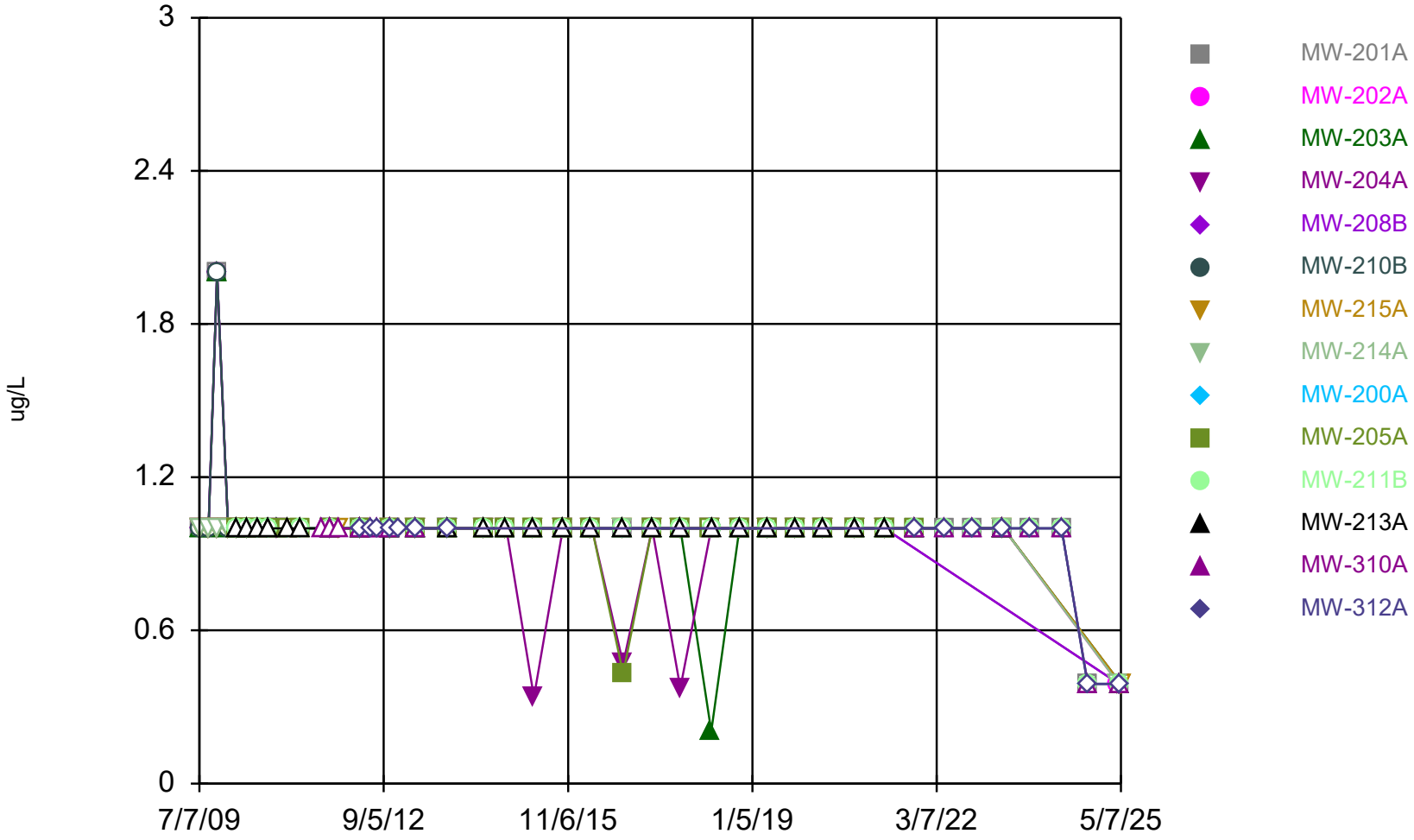


Constituent: 1,2-Dichloroethane Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

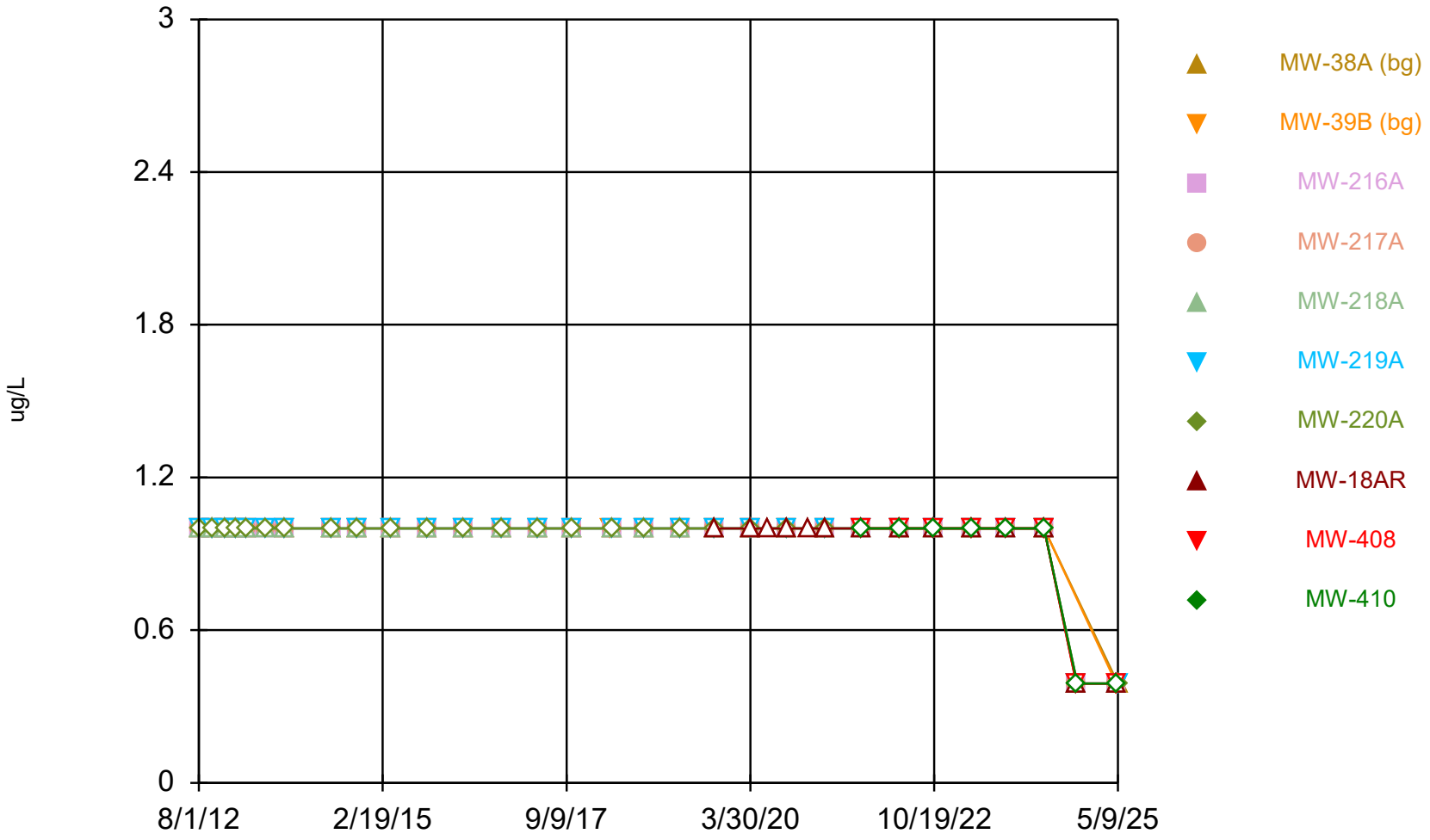


Constituent: 1,2-Dichloroethane Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

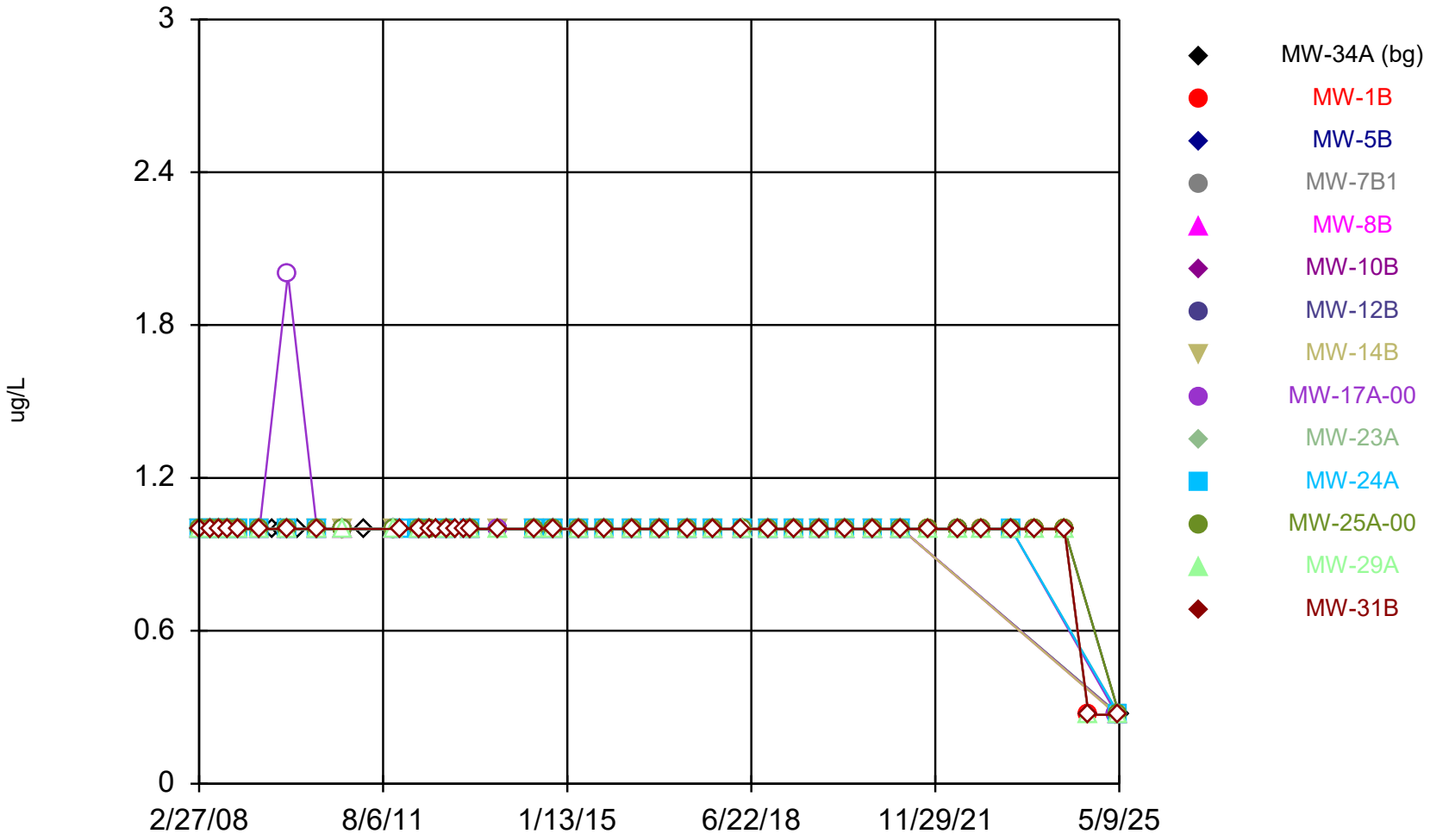


Constituent: 1,2-Dichloroethane Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

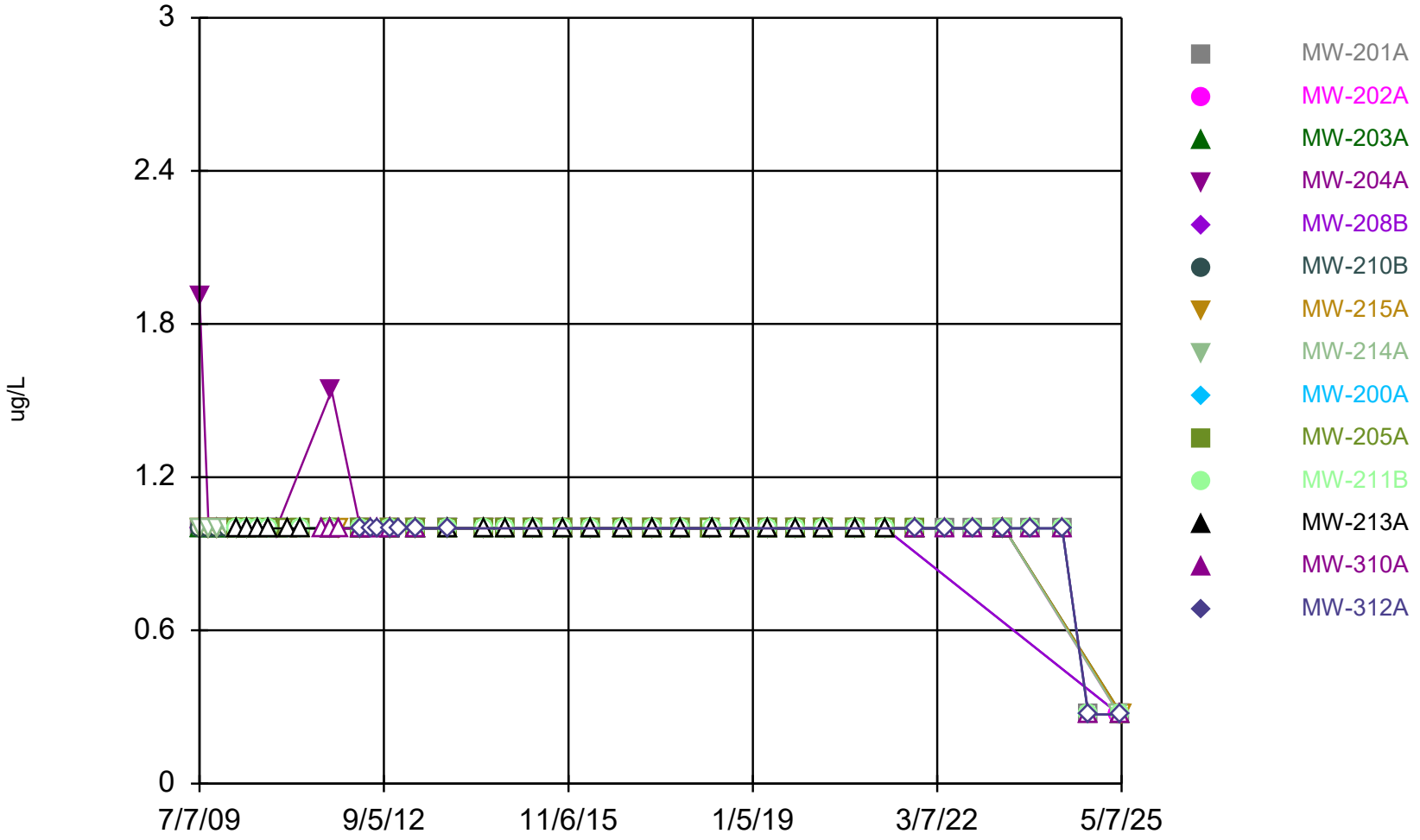


Constituent: 1,2-Dichloropropane Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

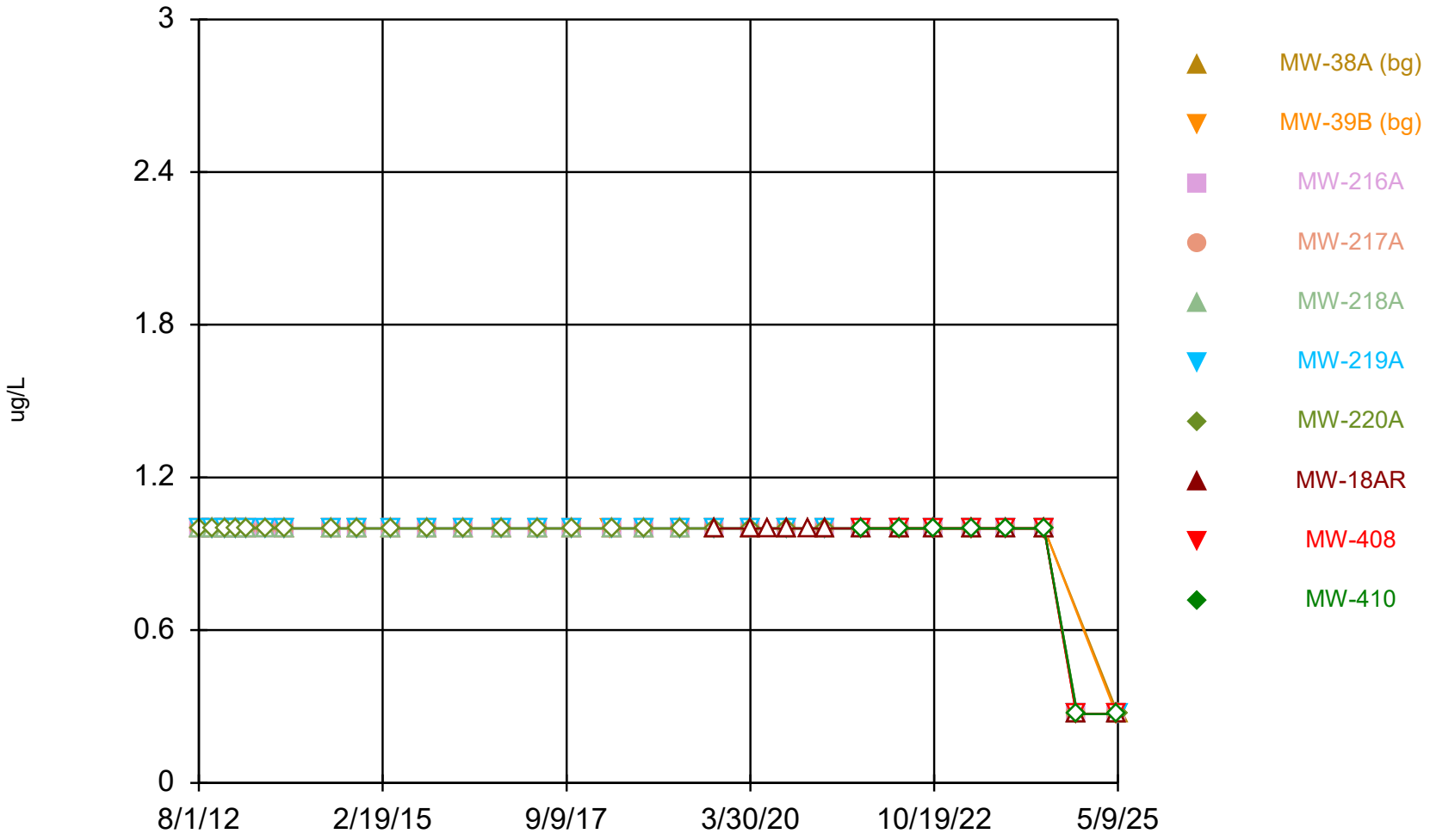


Constituent: 1,2-Dichloropropane Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

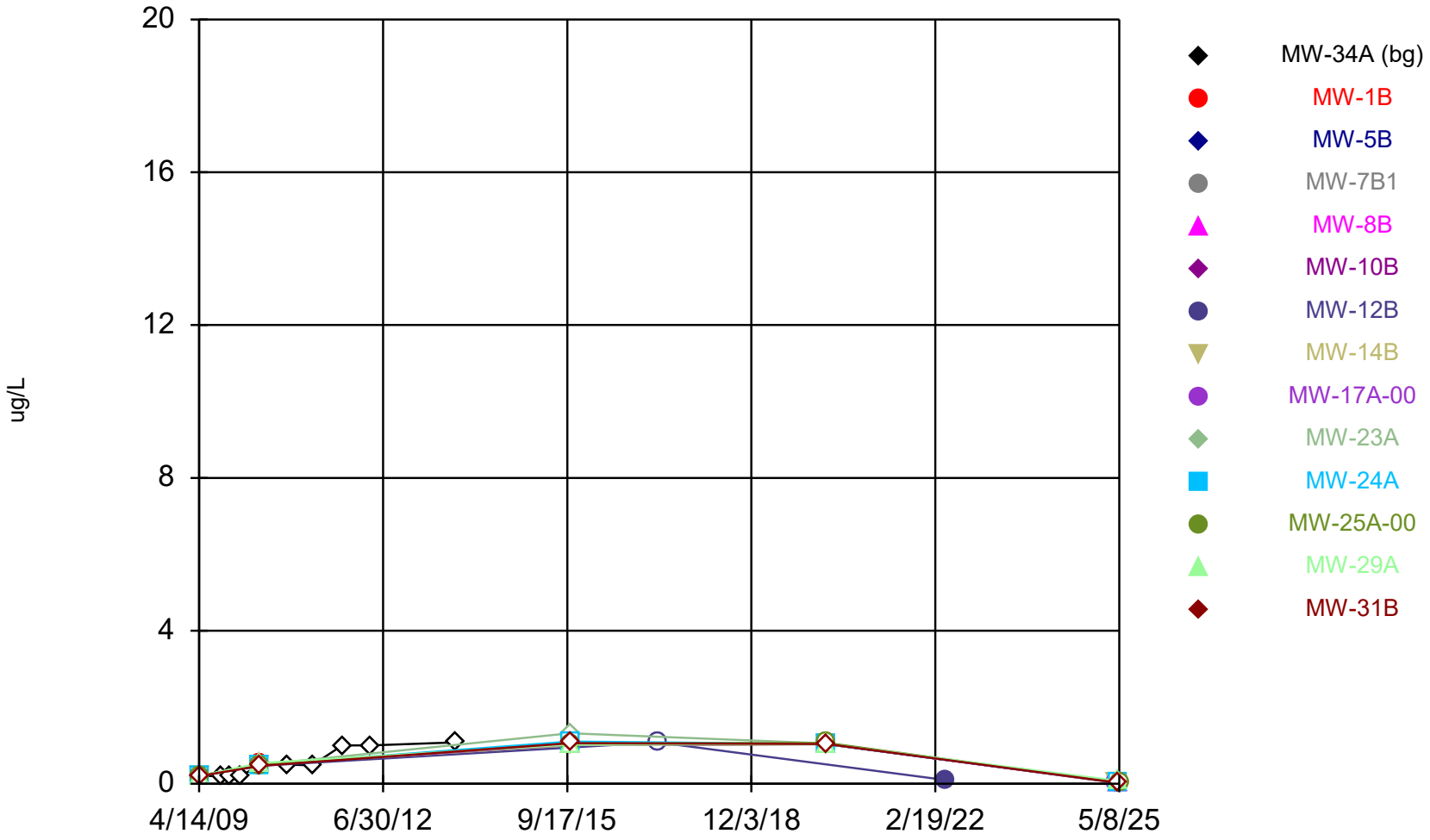


Constituent: 1,2-Dichloropropane Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

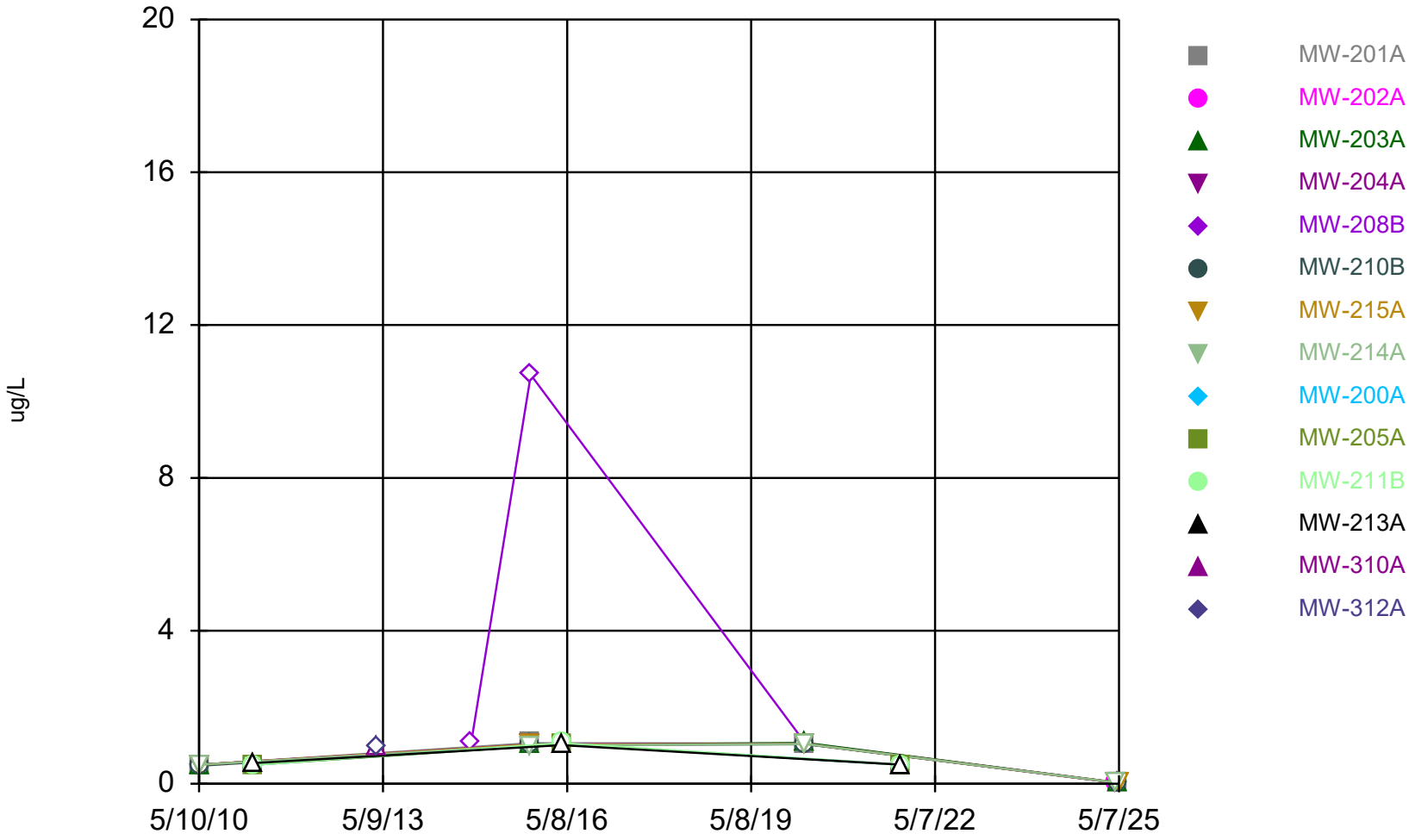


Constituent: 2,4,5-TP [Silvex] Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

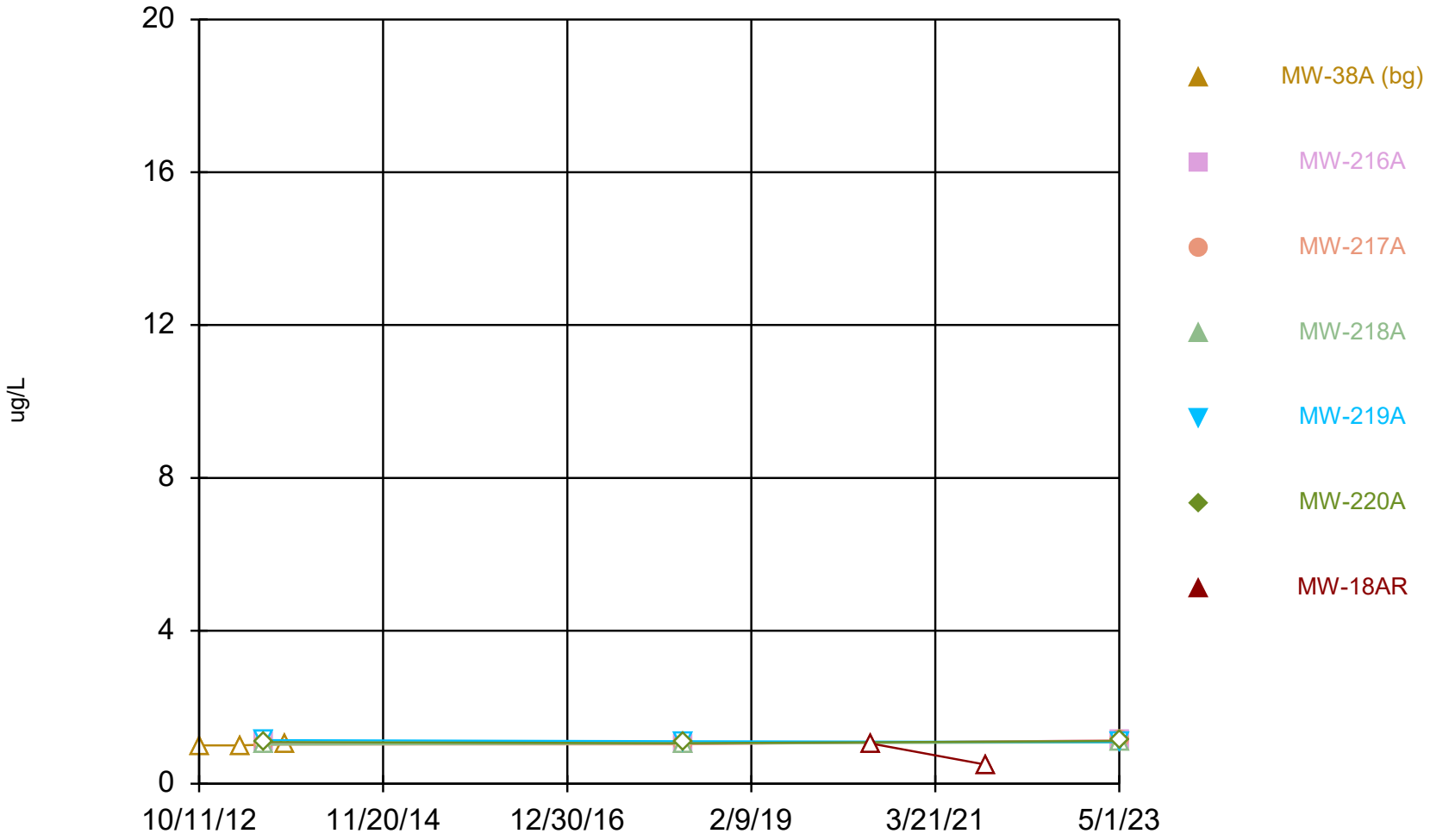


Constituent: 2,4,5-TP [Silvex] Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: 2,4,5-TP [Silvex] Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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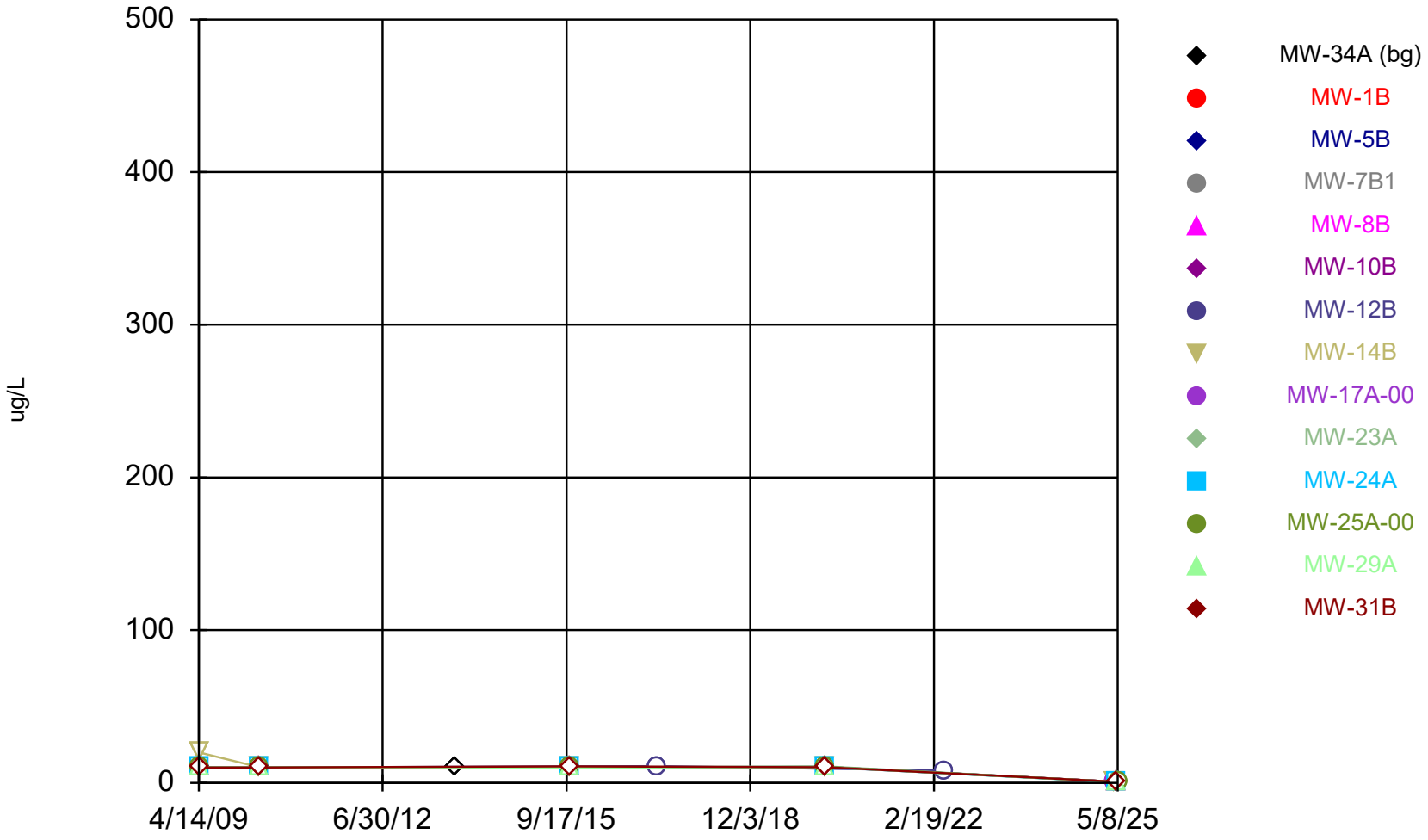
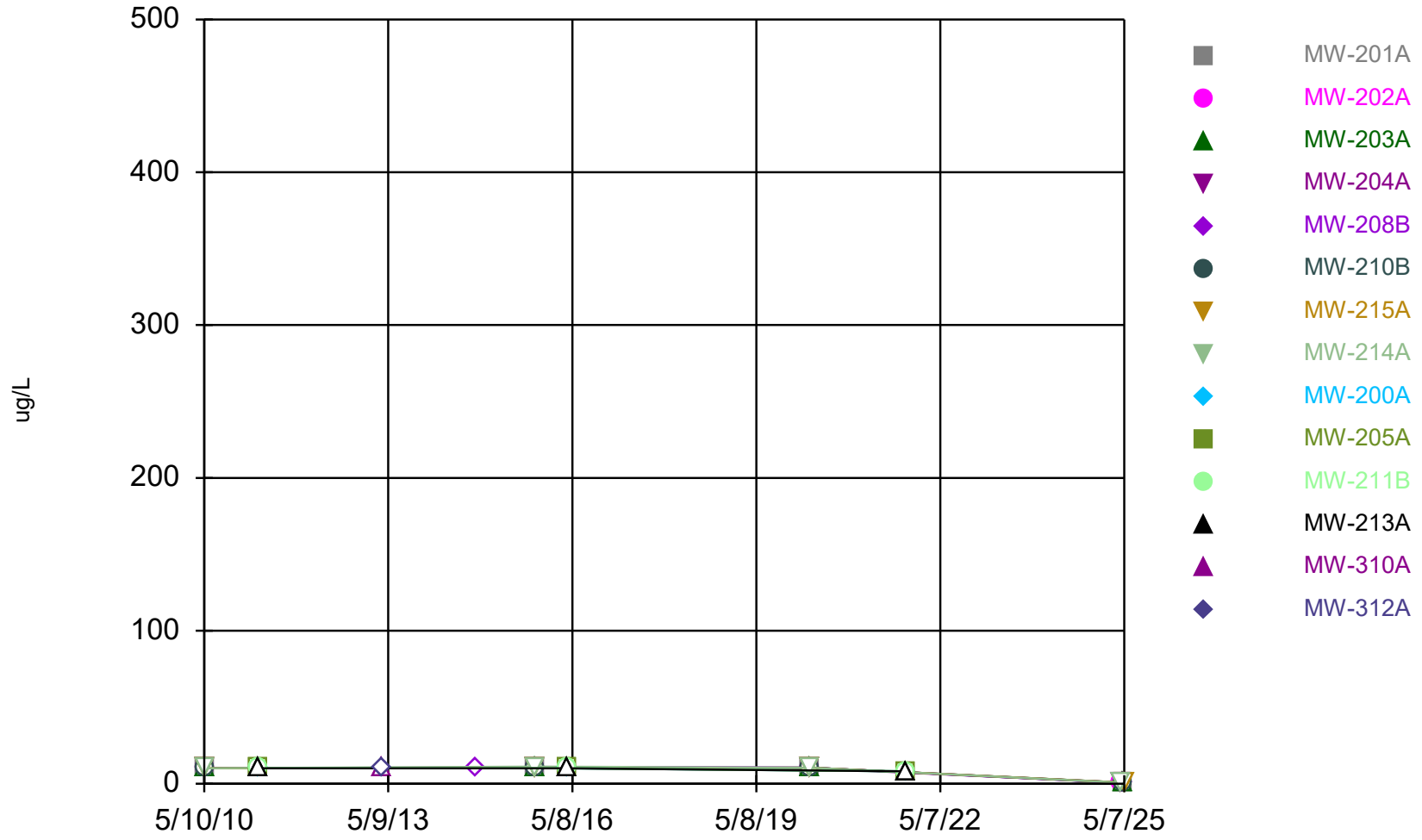


Constituent: 2,4-Dimethylphenol Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: 2,4-Dimethylphenol Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
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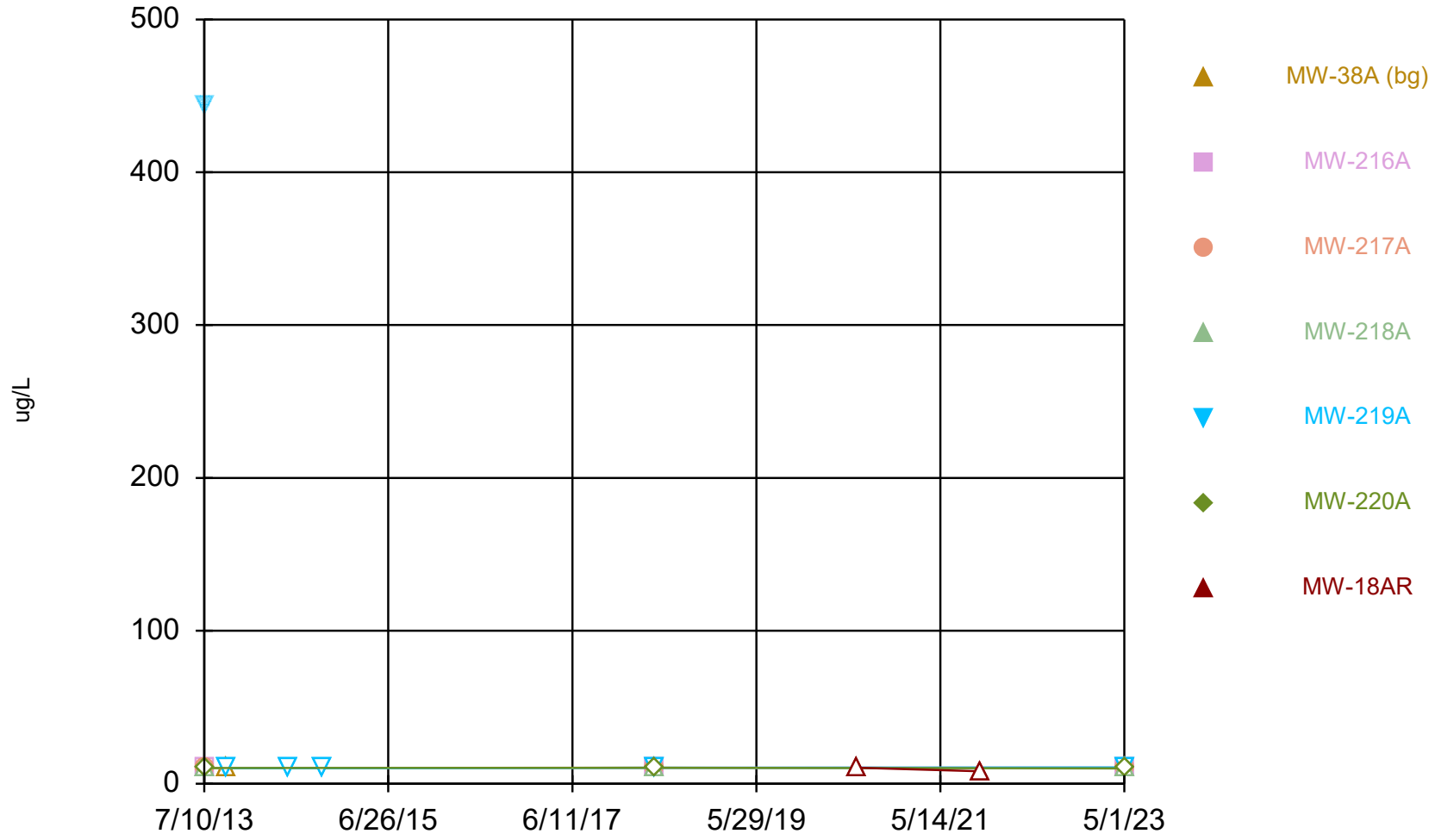
Time Series

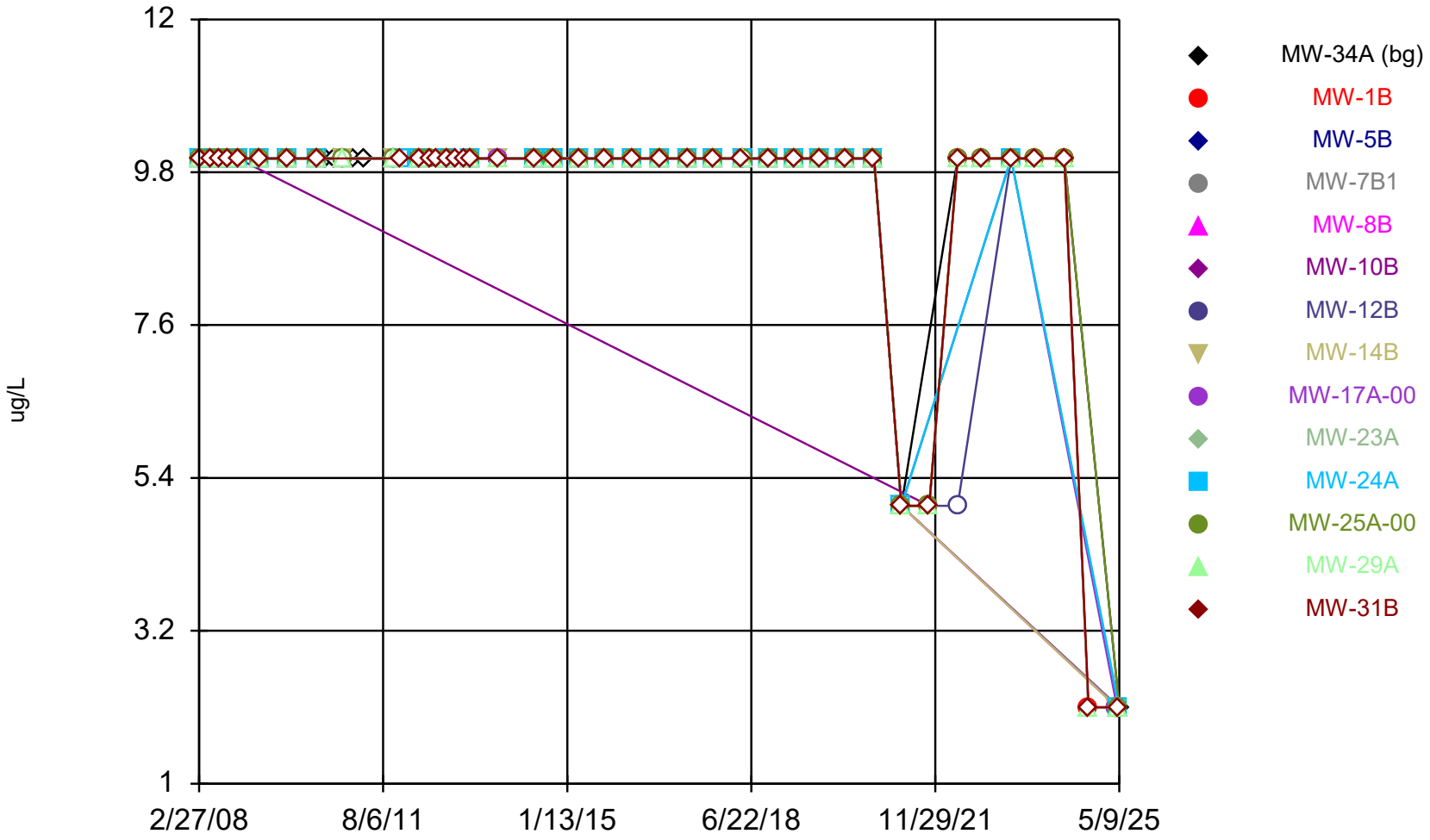


Constituent: 2,4-Dimethylphenol Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

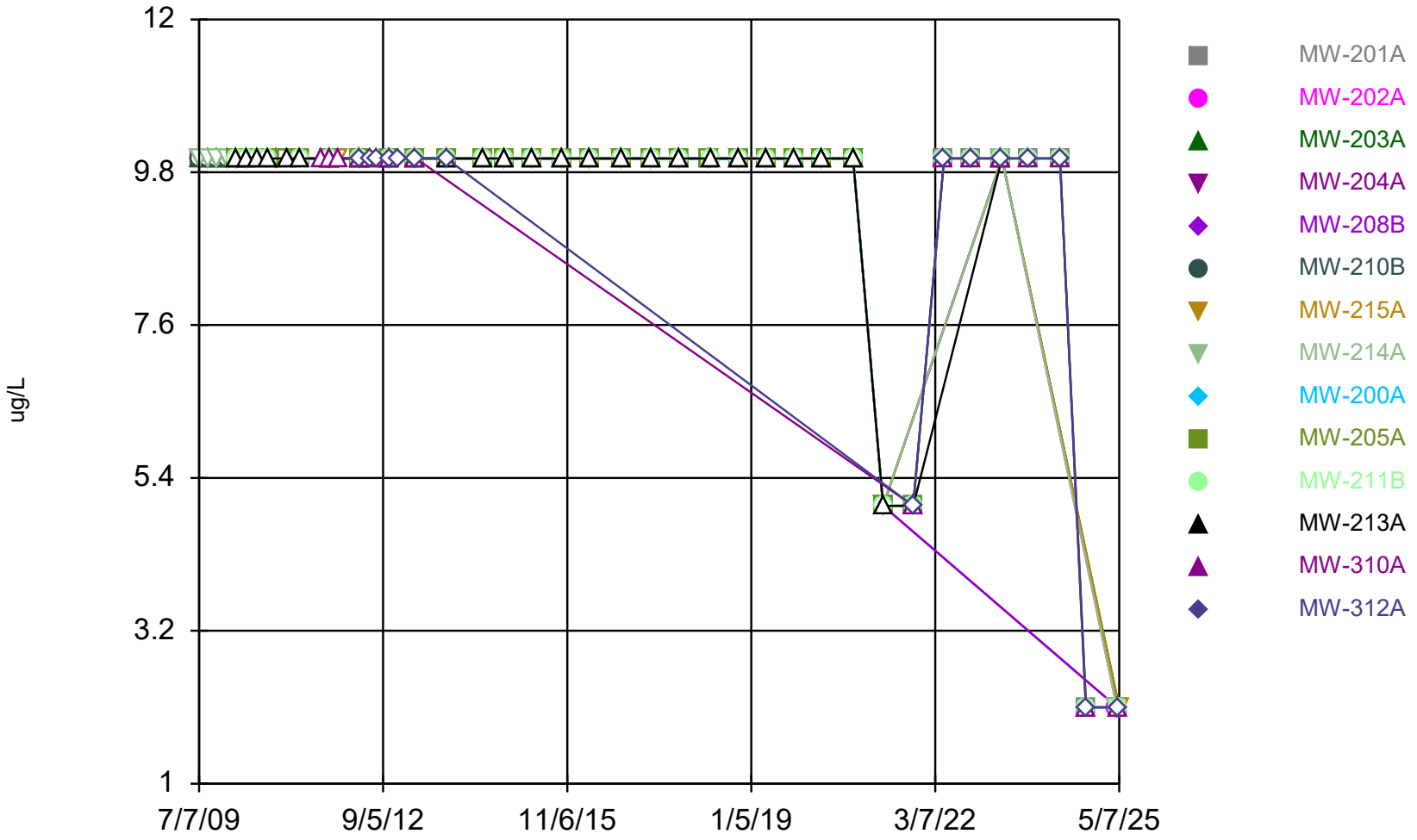


Constituent: 2-Butanone [MEK] Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

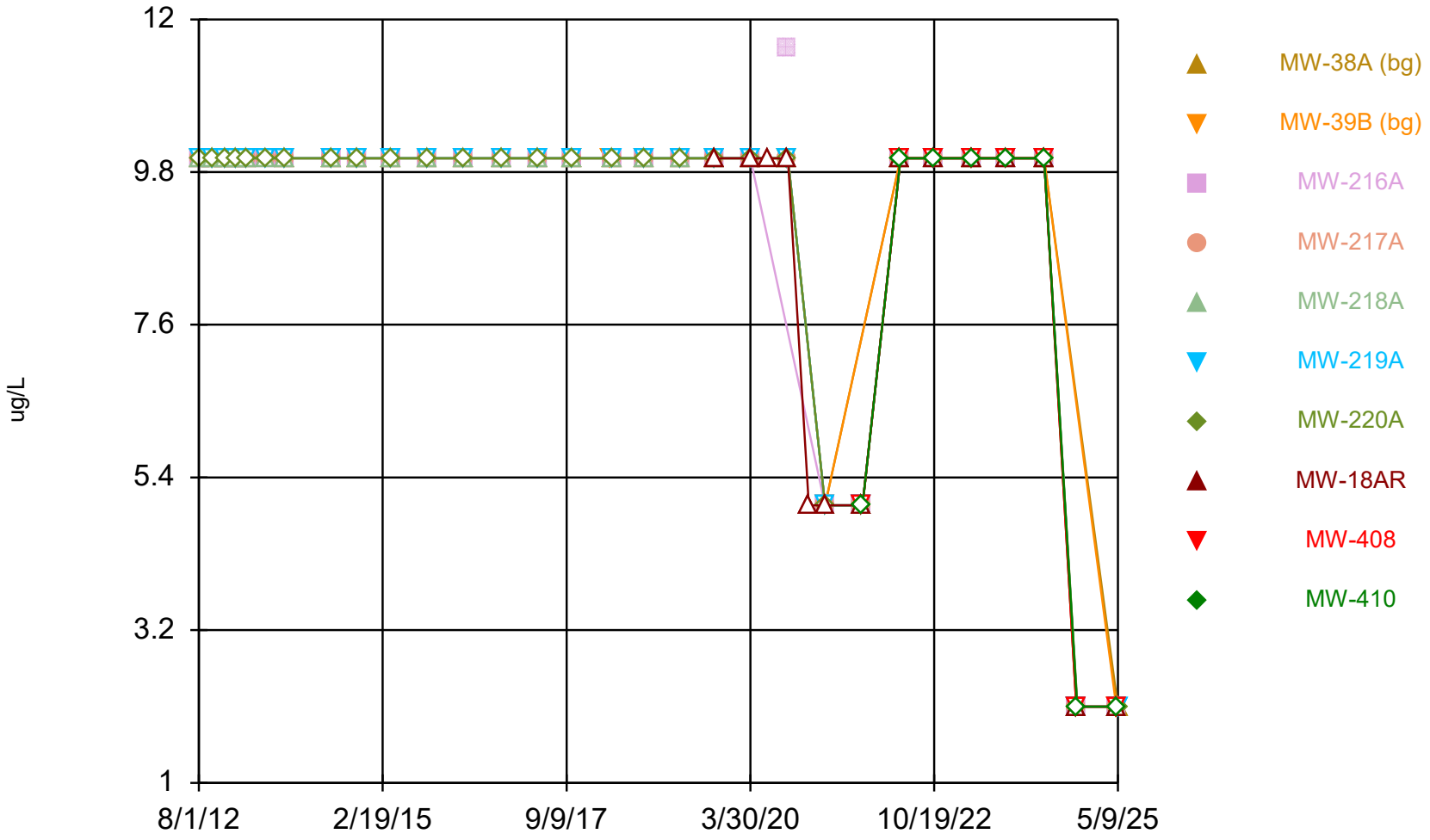


Constituent: 2-Butanone [MEK] Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

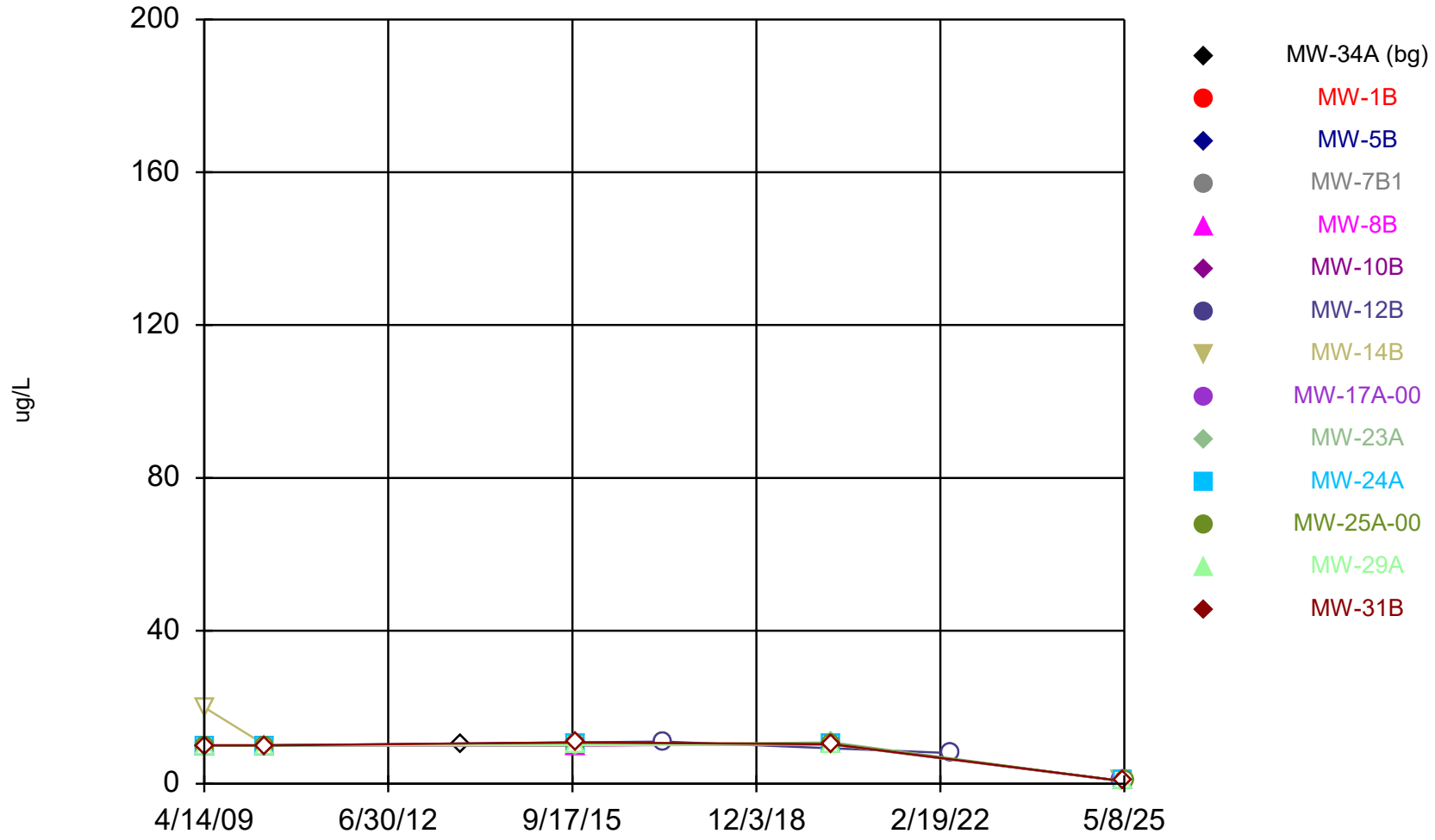


Constituent: 2-Butanone [MEK] Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

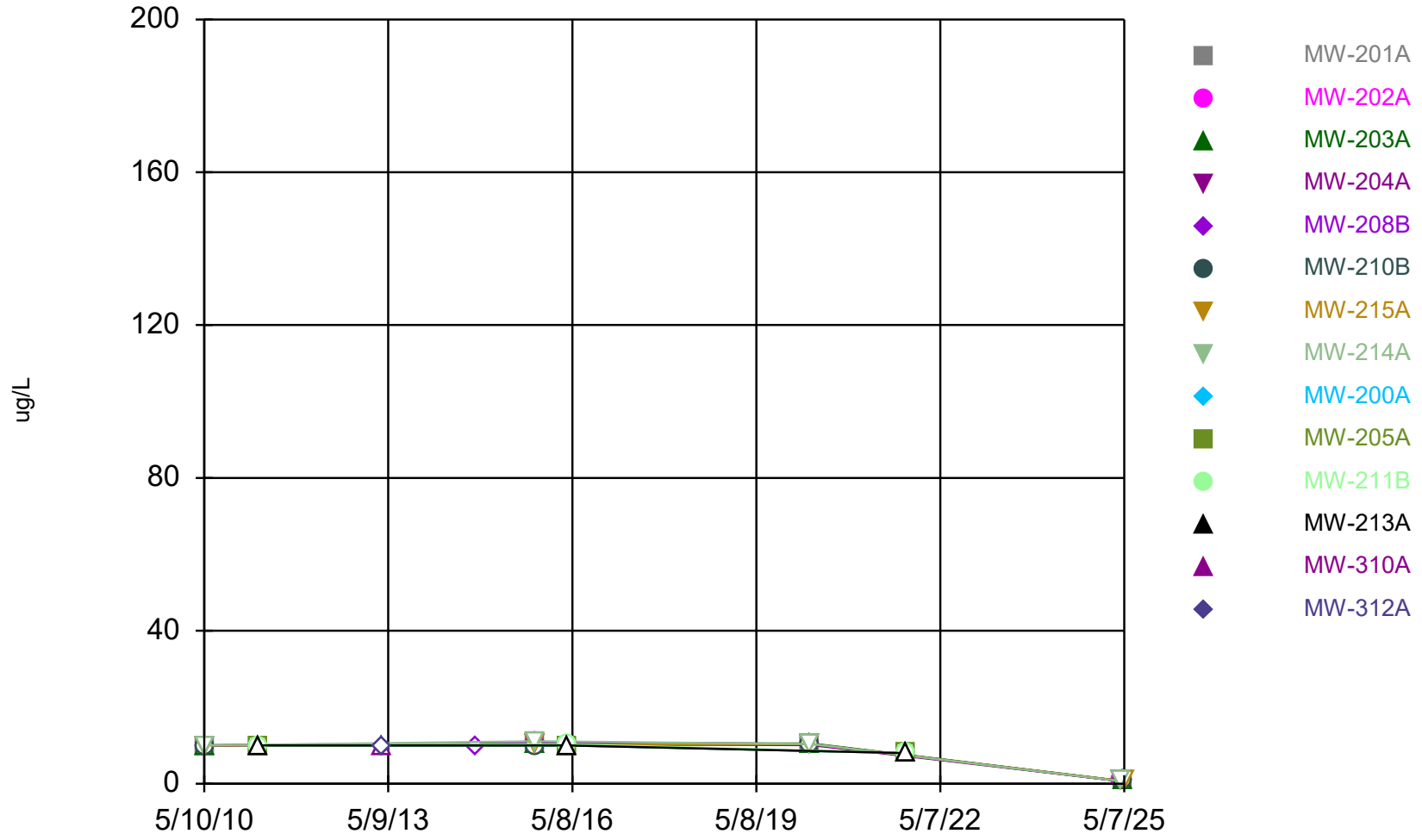


Constituent: 2-Methylnaphthalene Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

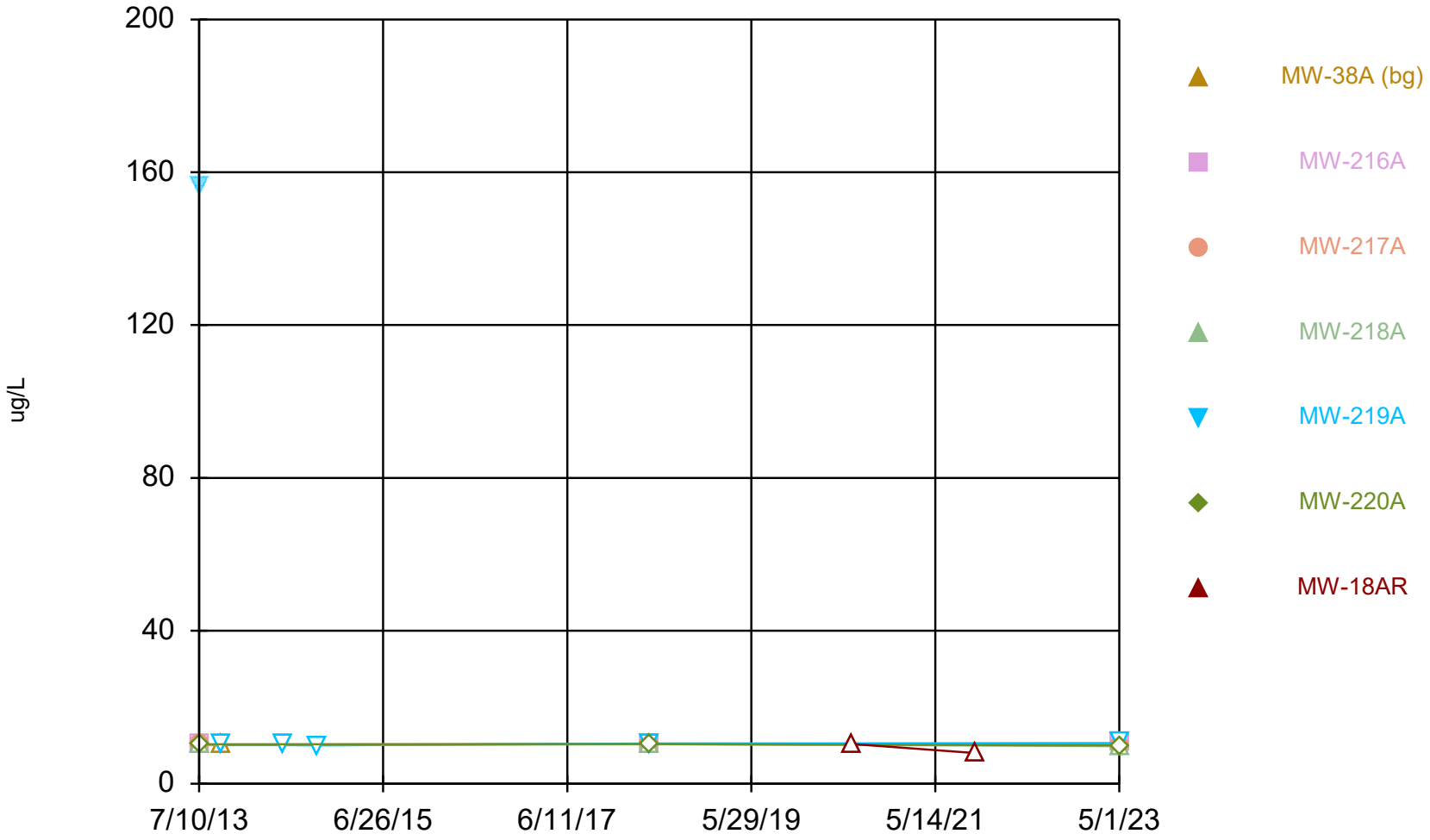


Constituent: 2-Methylnaphthalene Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

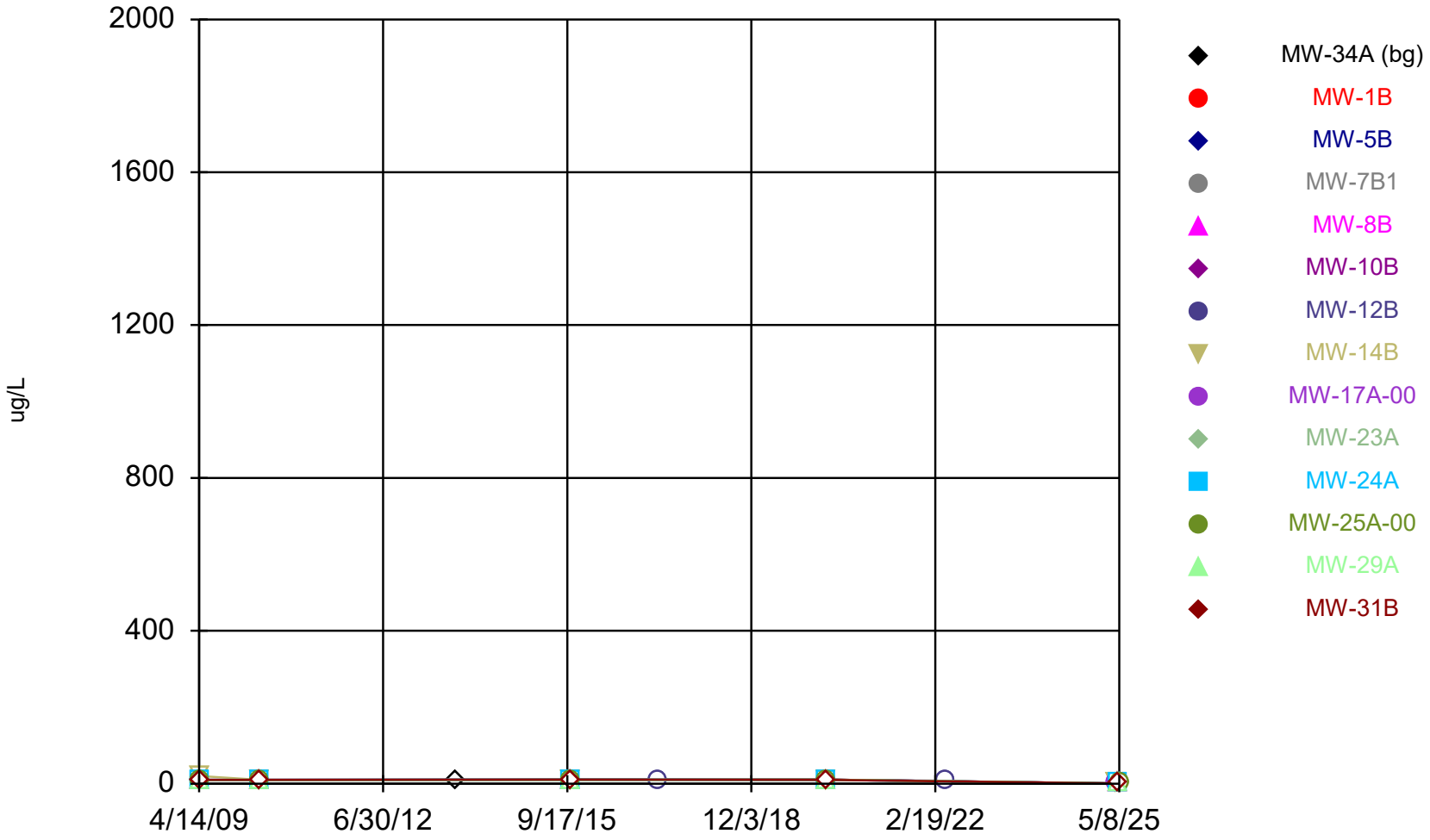


Constituent: 2-Methylnaphthalene Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

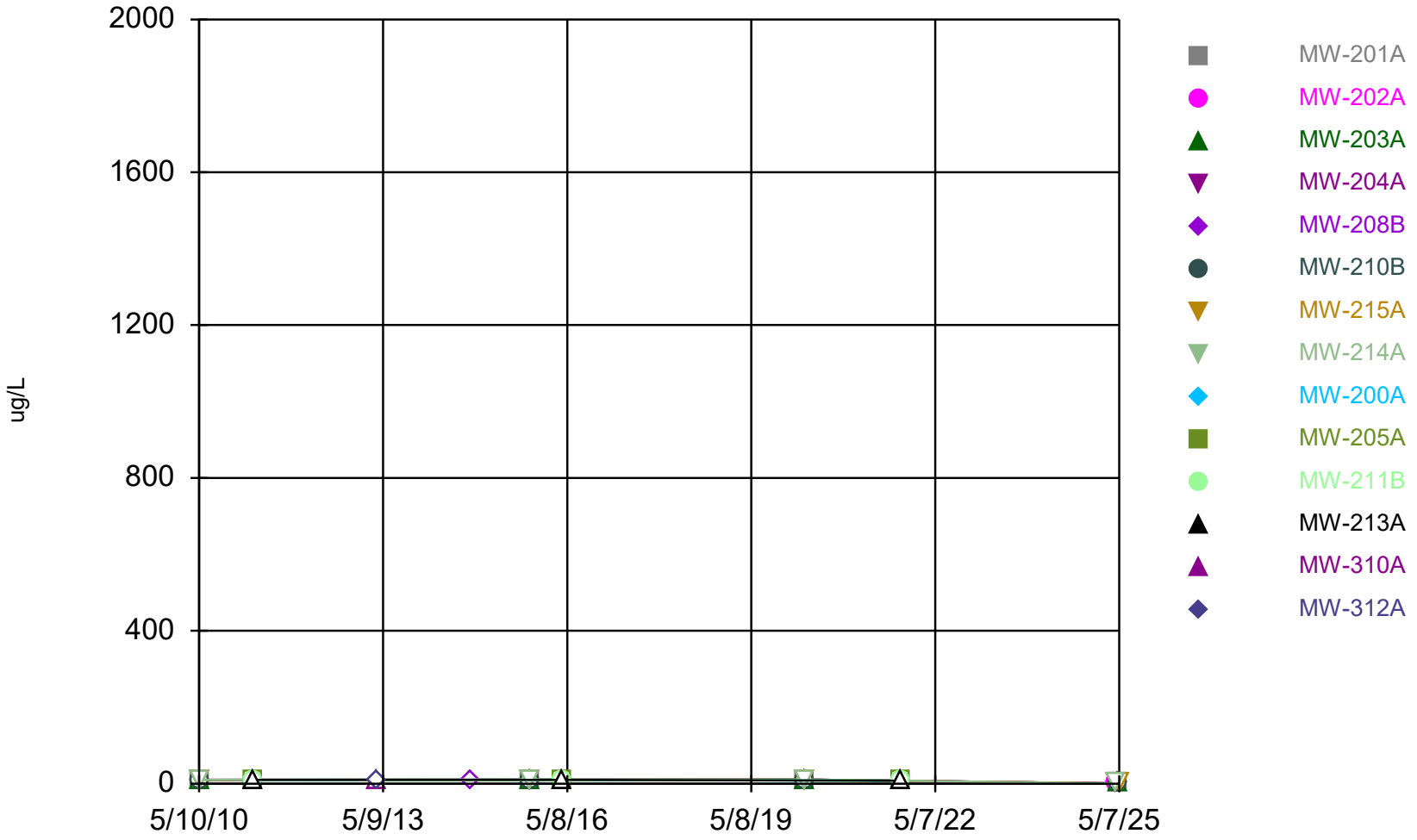


Constituent: 2-Methylphenol Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

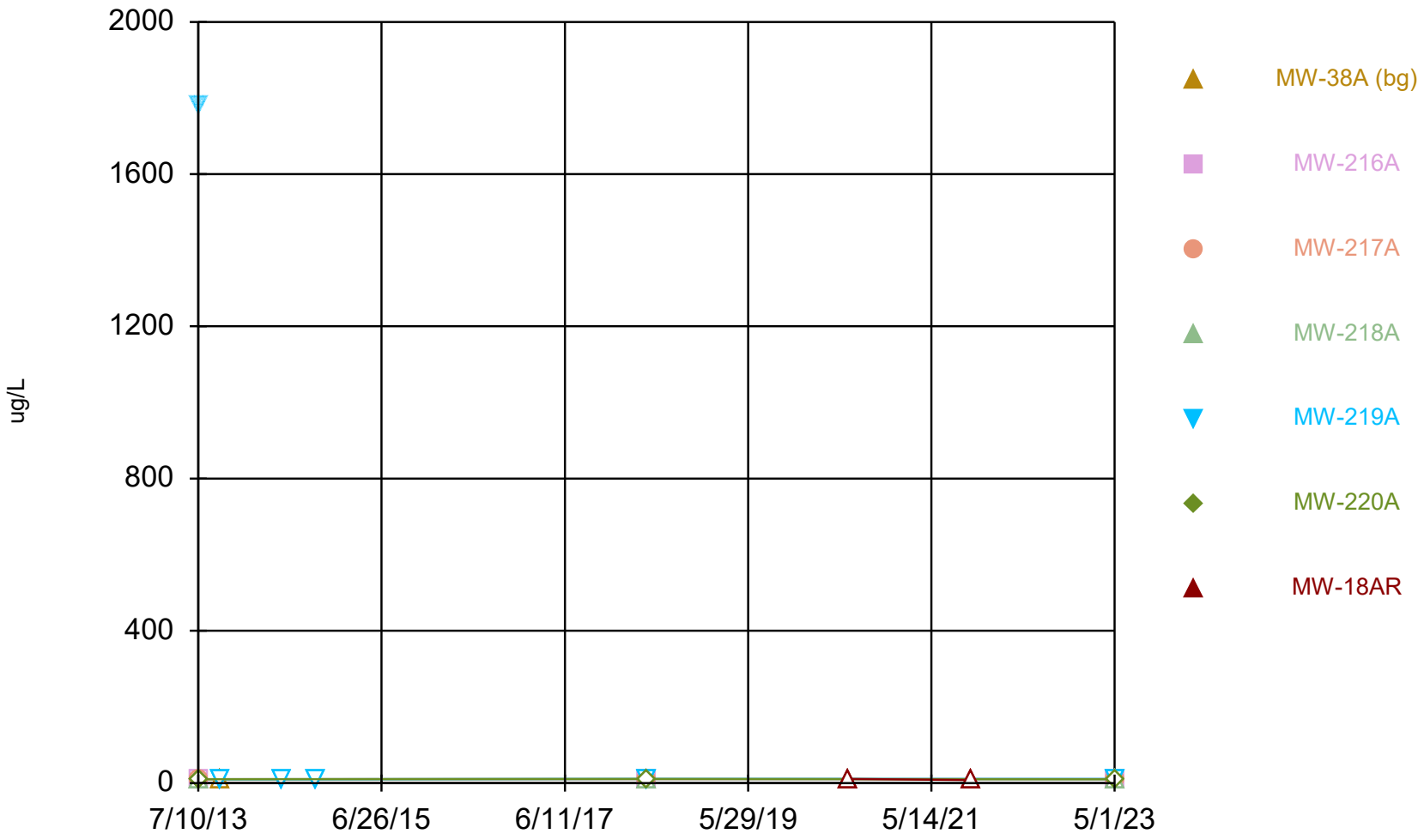


Constituent: 2-Methylphenol Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

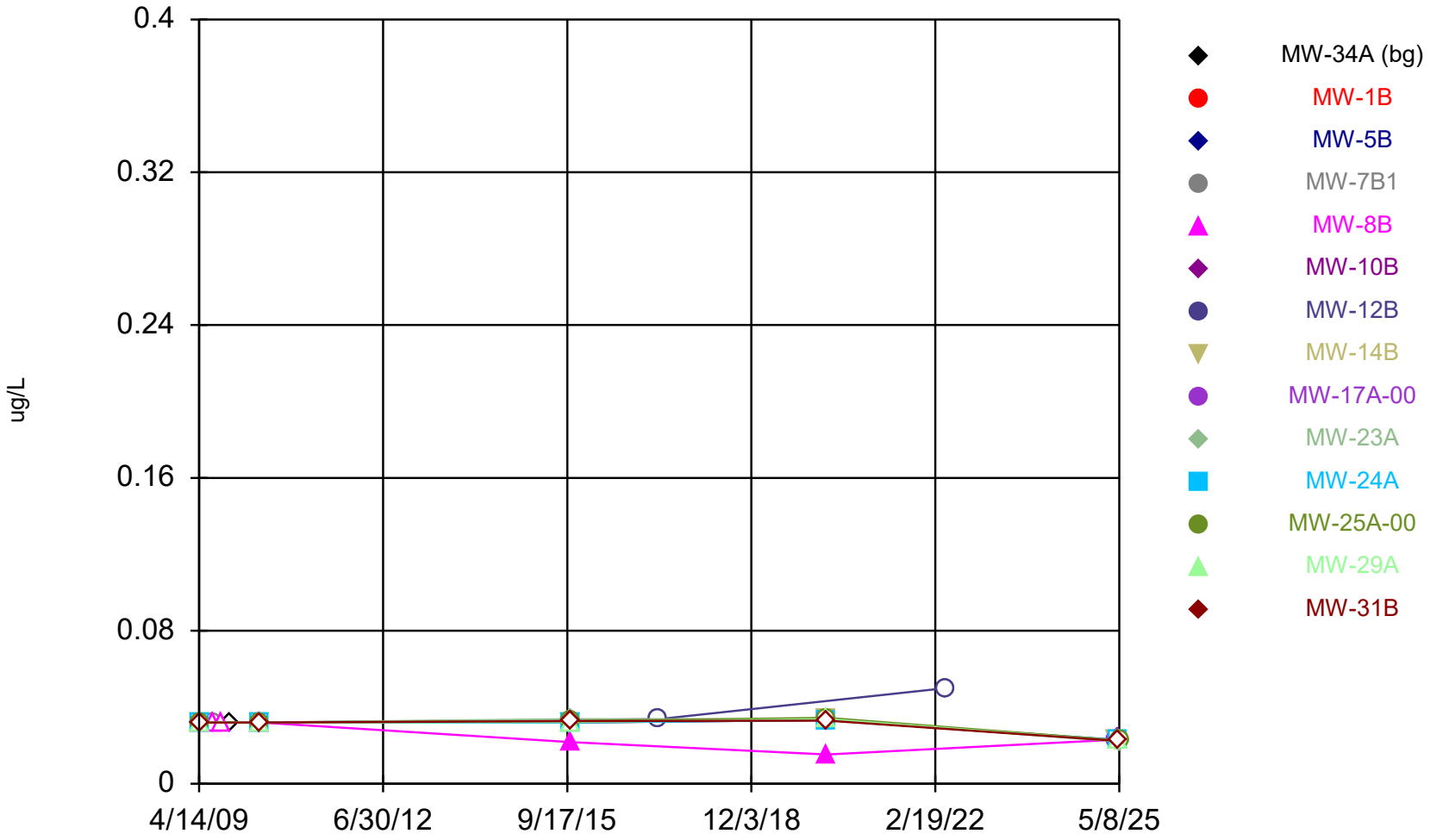


Constituent: 2-Methylphenol Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

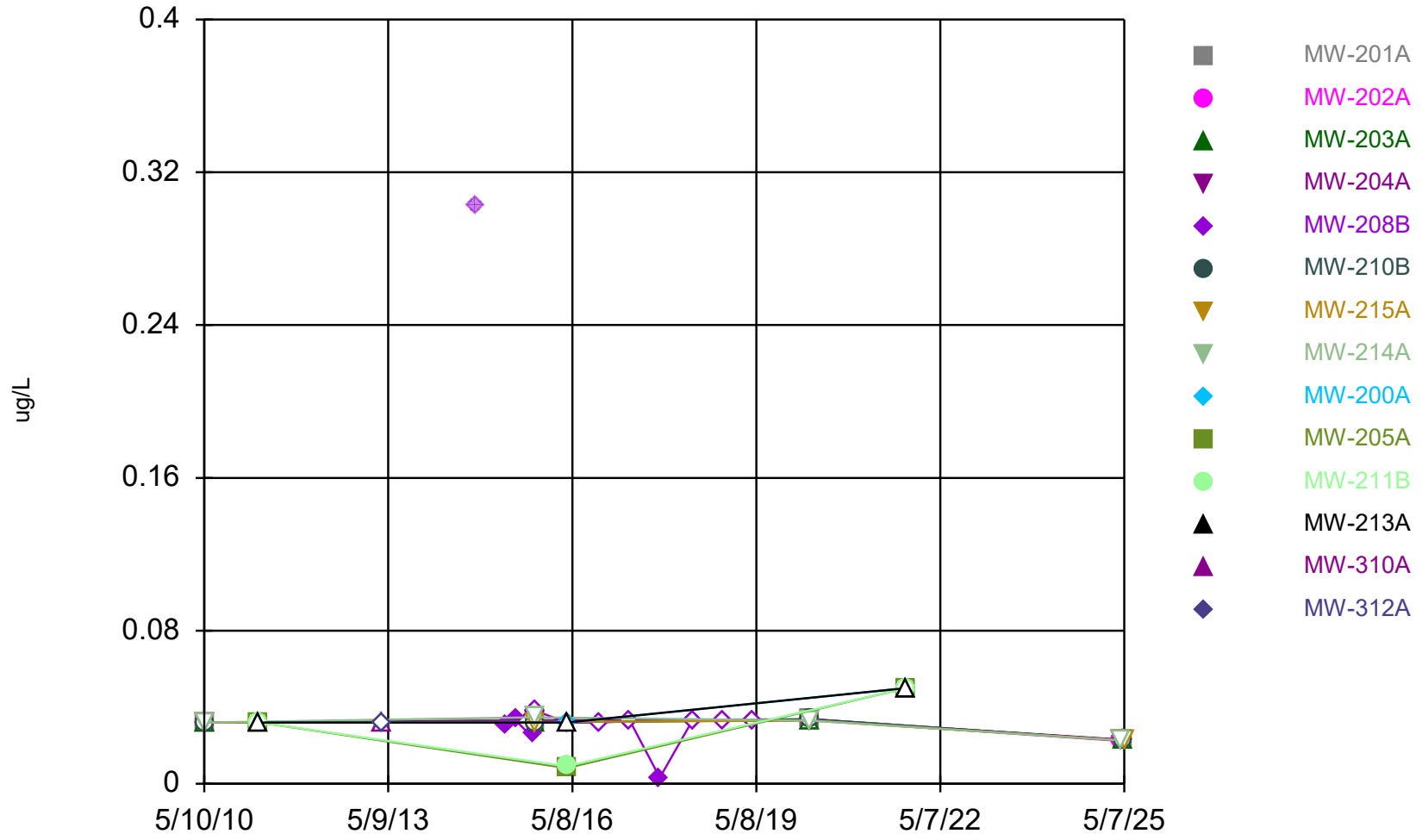


Constituent: 4,4`-DDD Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

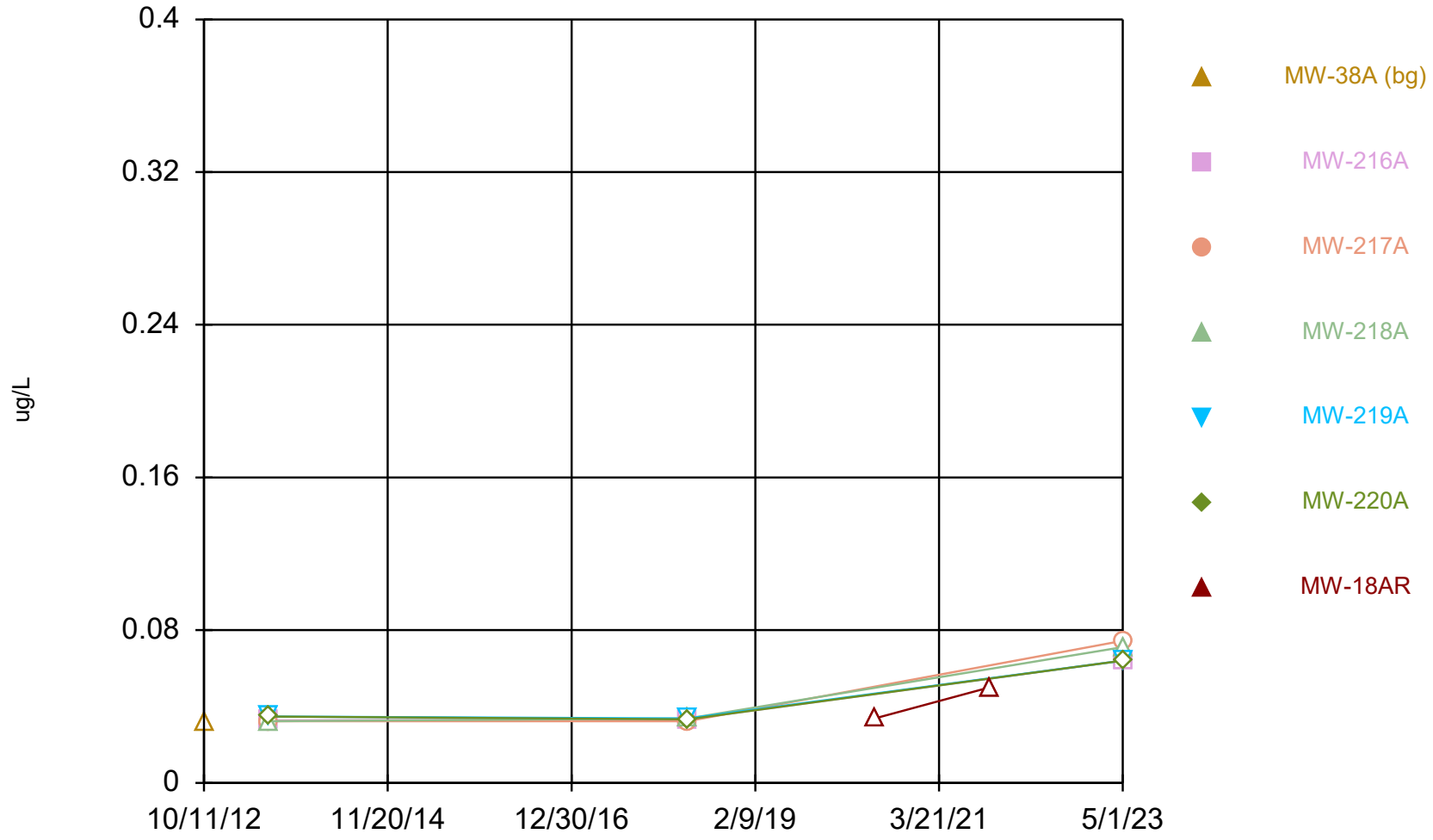


Constituent: 4,4`-DDD Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

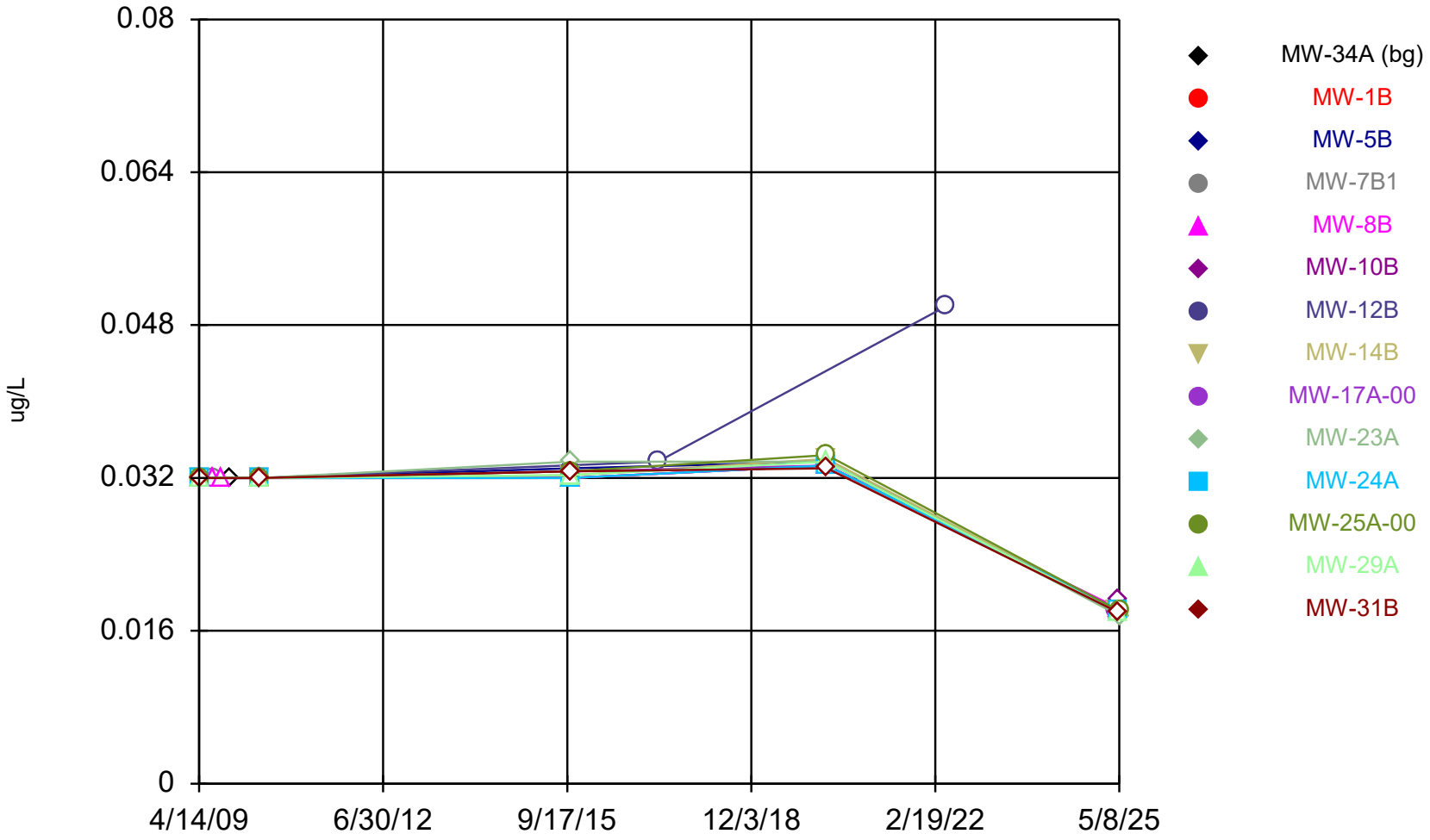


Constituent: 4,4`-DDD Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

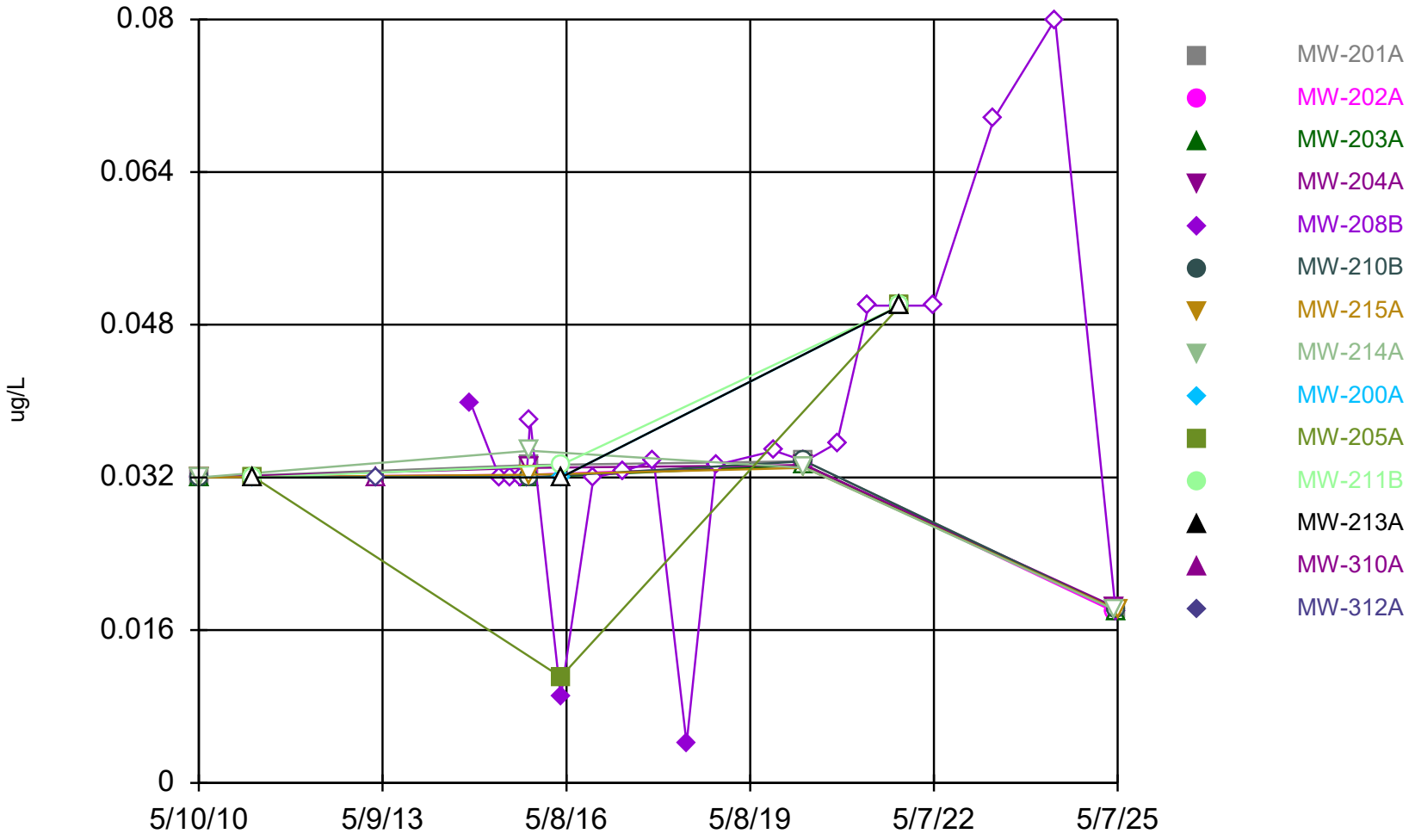


Constituent: 4,4`-DDT Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

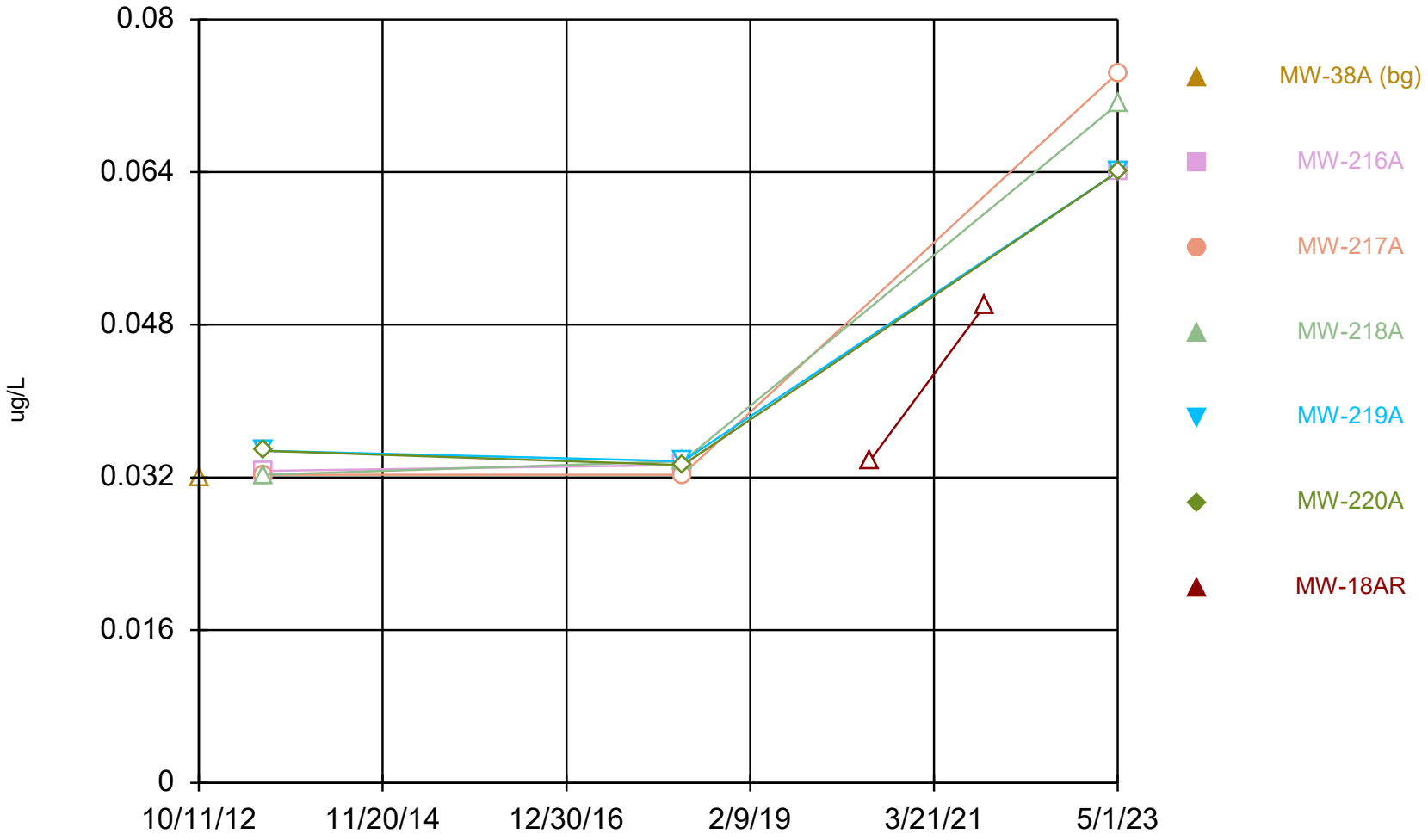


Constituent: 4,4`-DDT Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

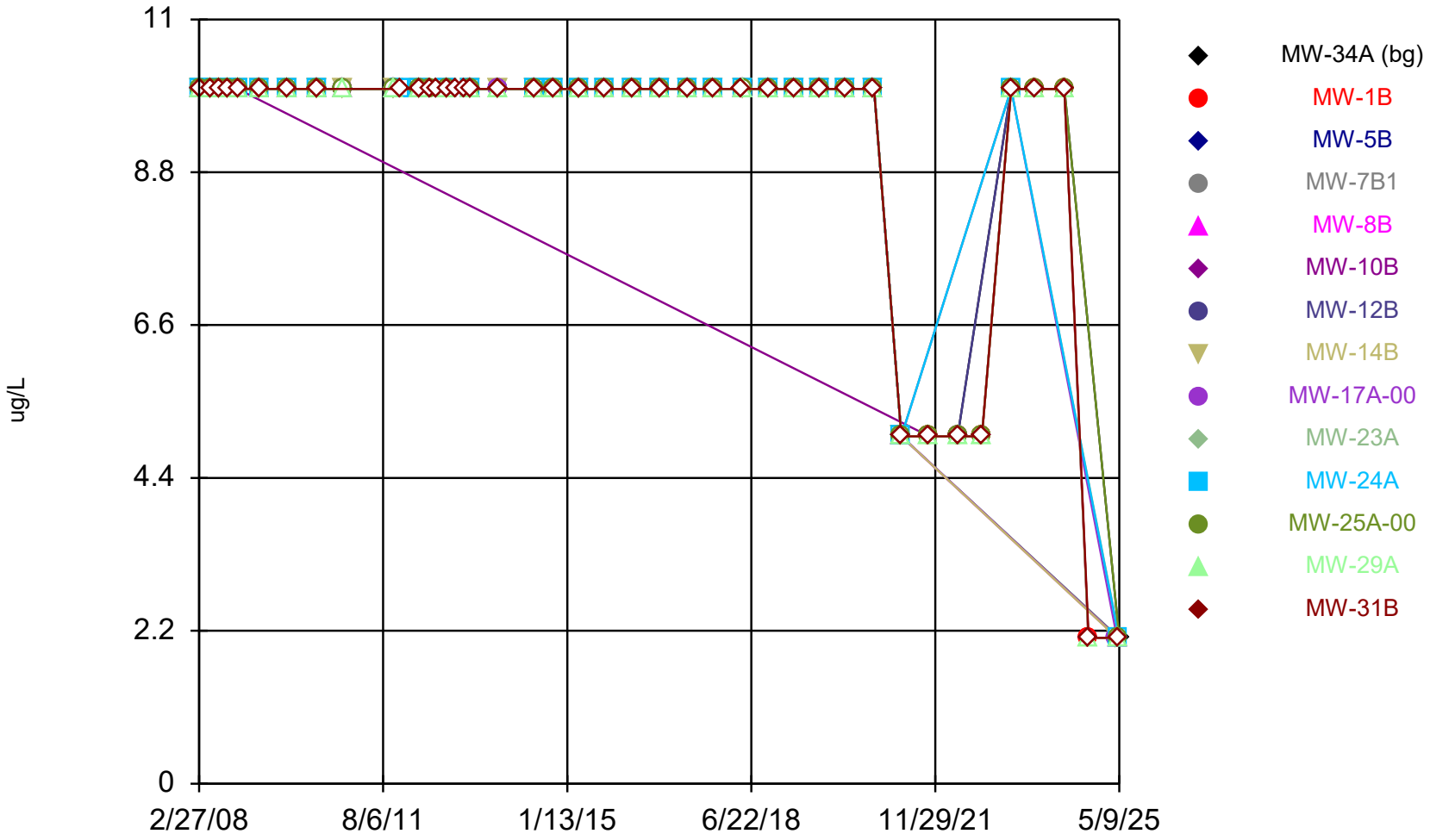


Constituent: 4,4`-DDT Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

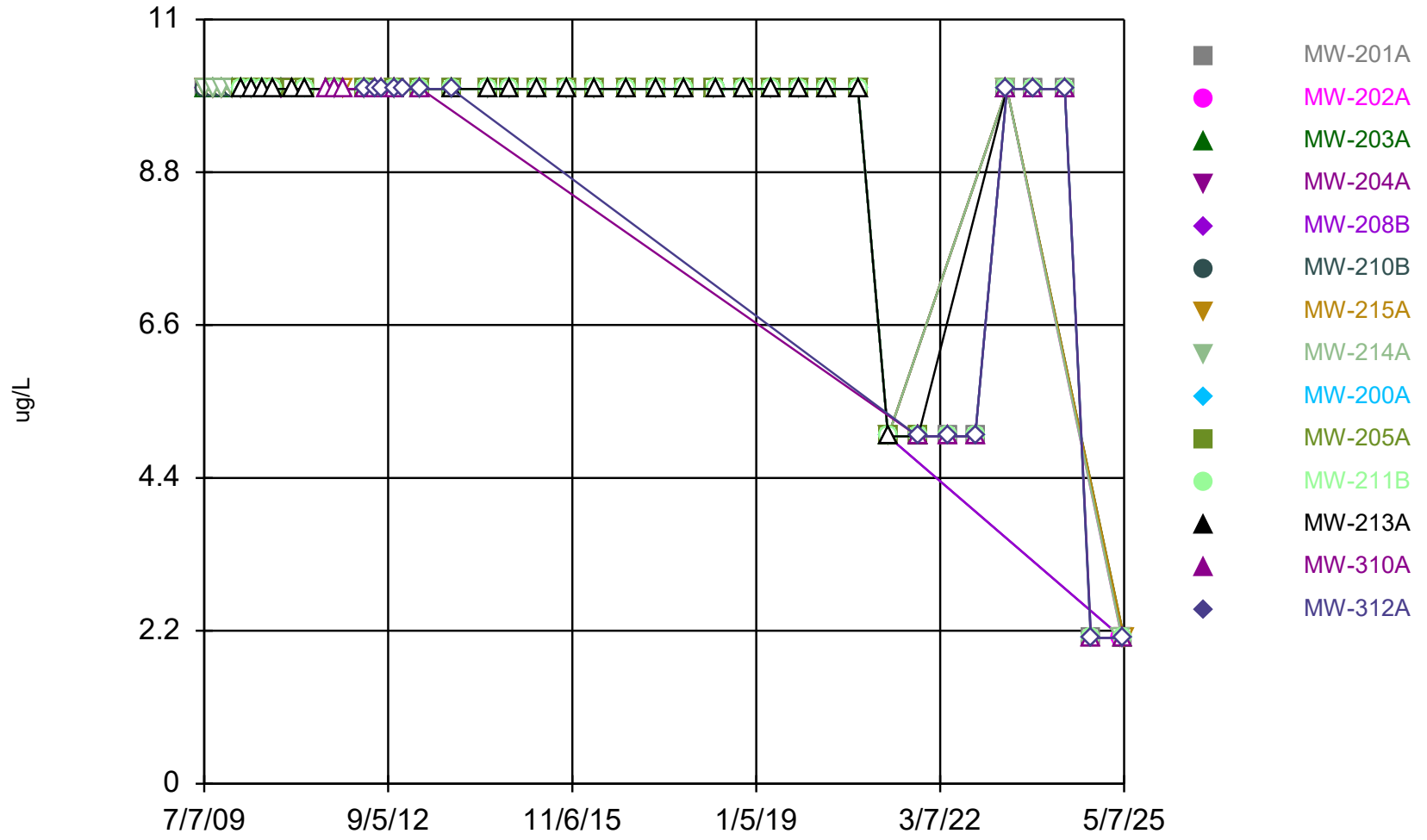


Constituent: 4-Methyl-2-pentanone [MIBK] Analysis Run 7/13/2025 11:40 PM View: 06A_MW_Organics_P

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

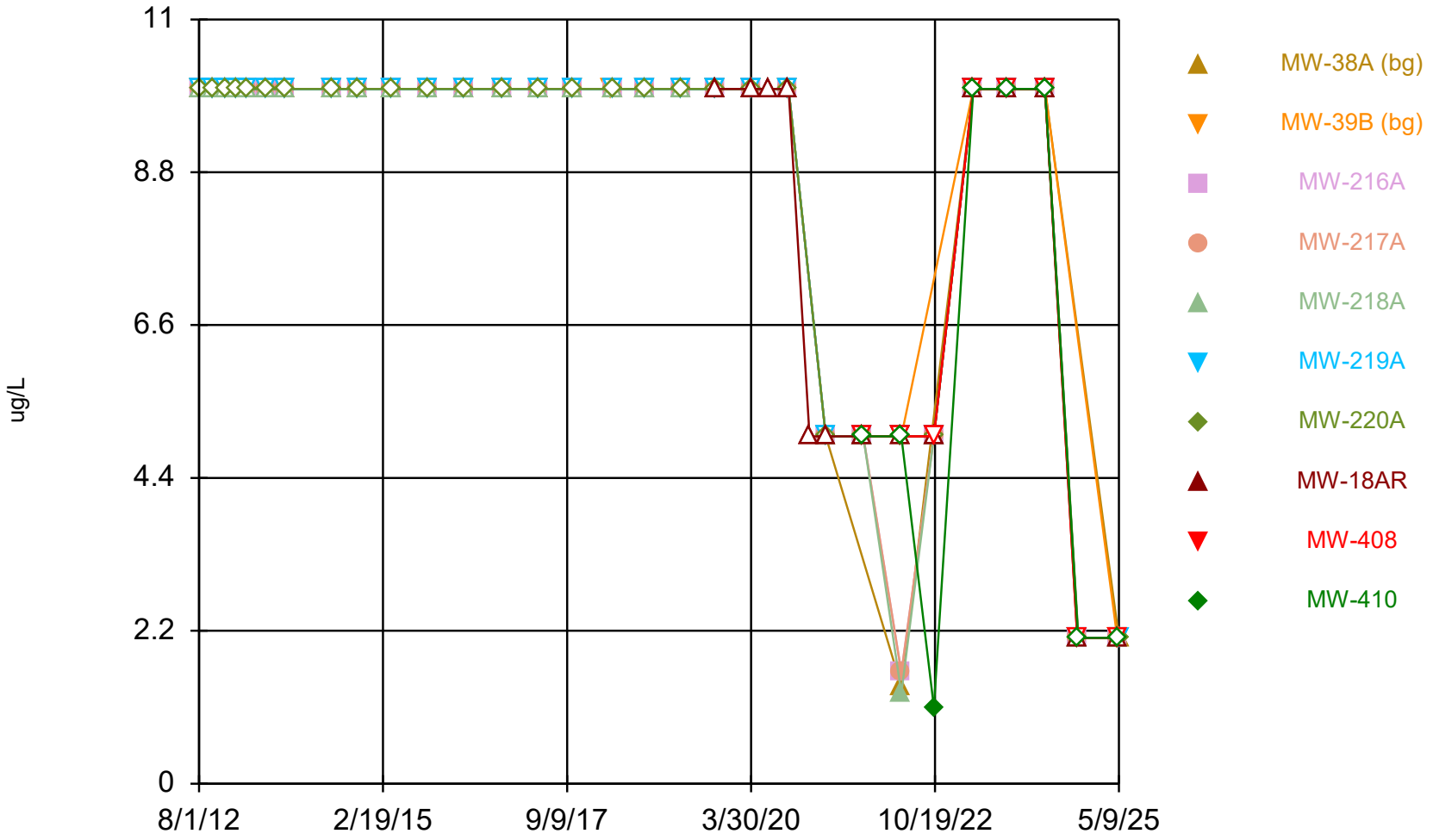


Constituent: 4-Methyl-2-pentanone [MIBK] Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_P

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

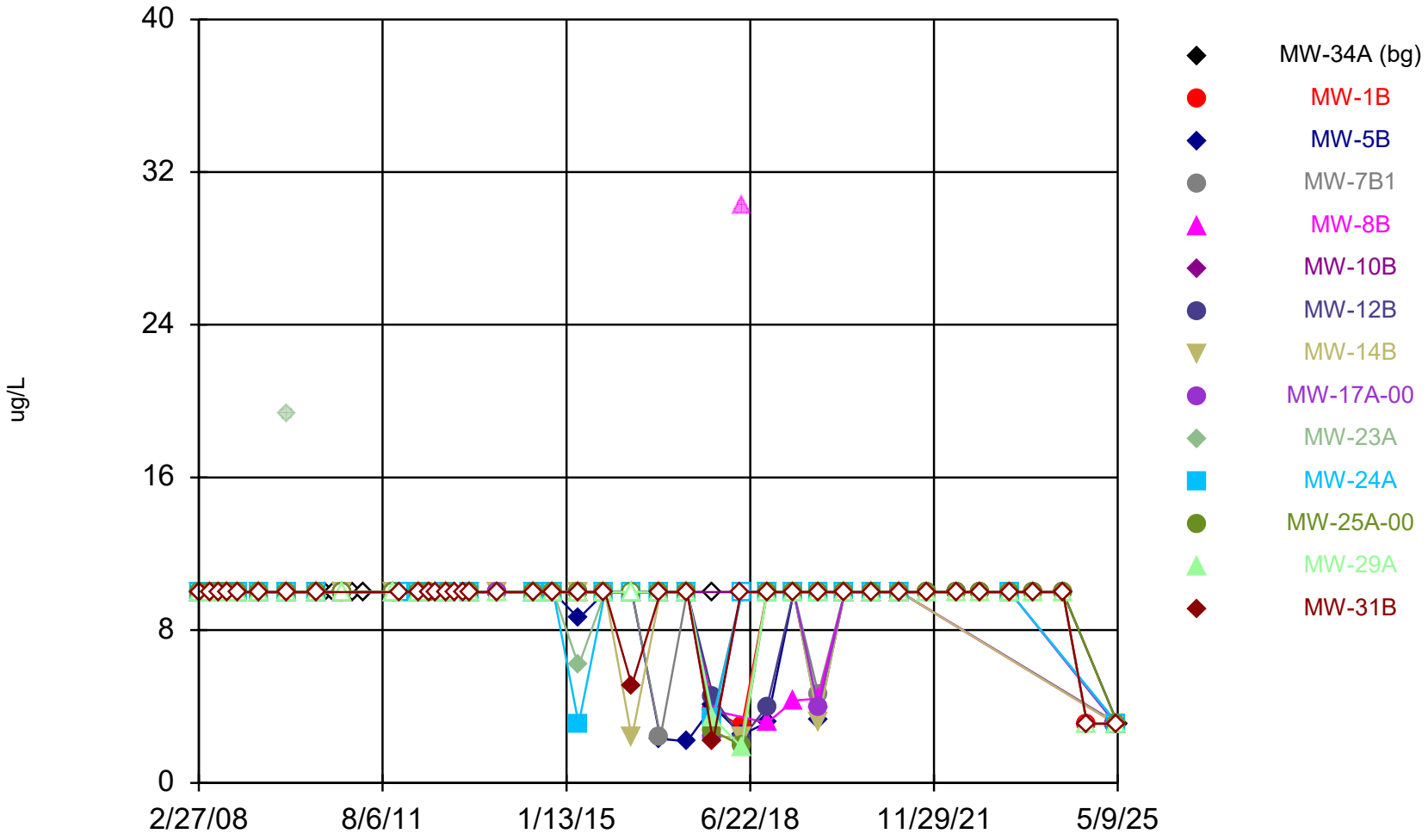


Constituent: 4-Methyl-2-pentanone [MIBK] Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_P

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

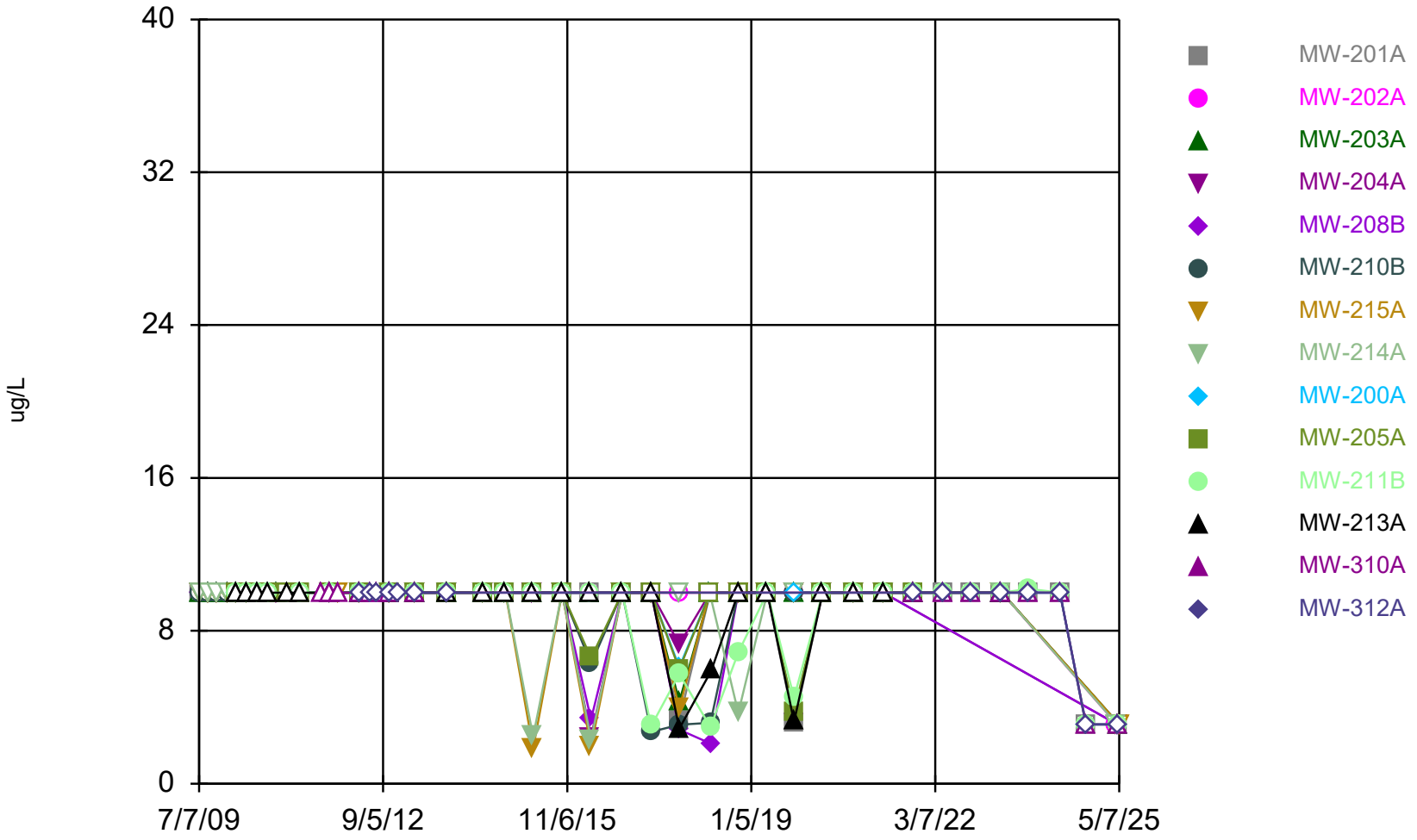


Constituent: Acetone Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

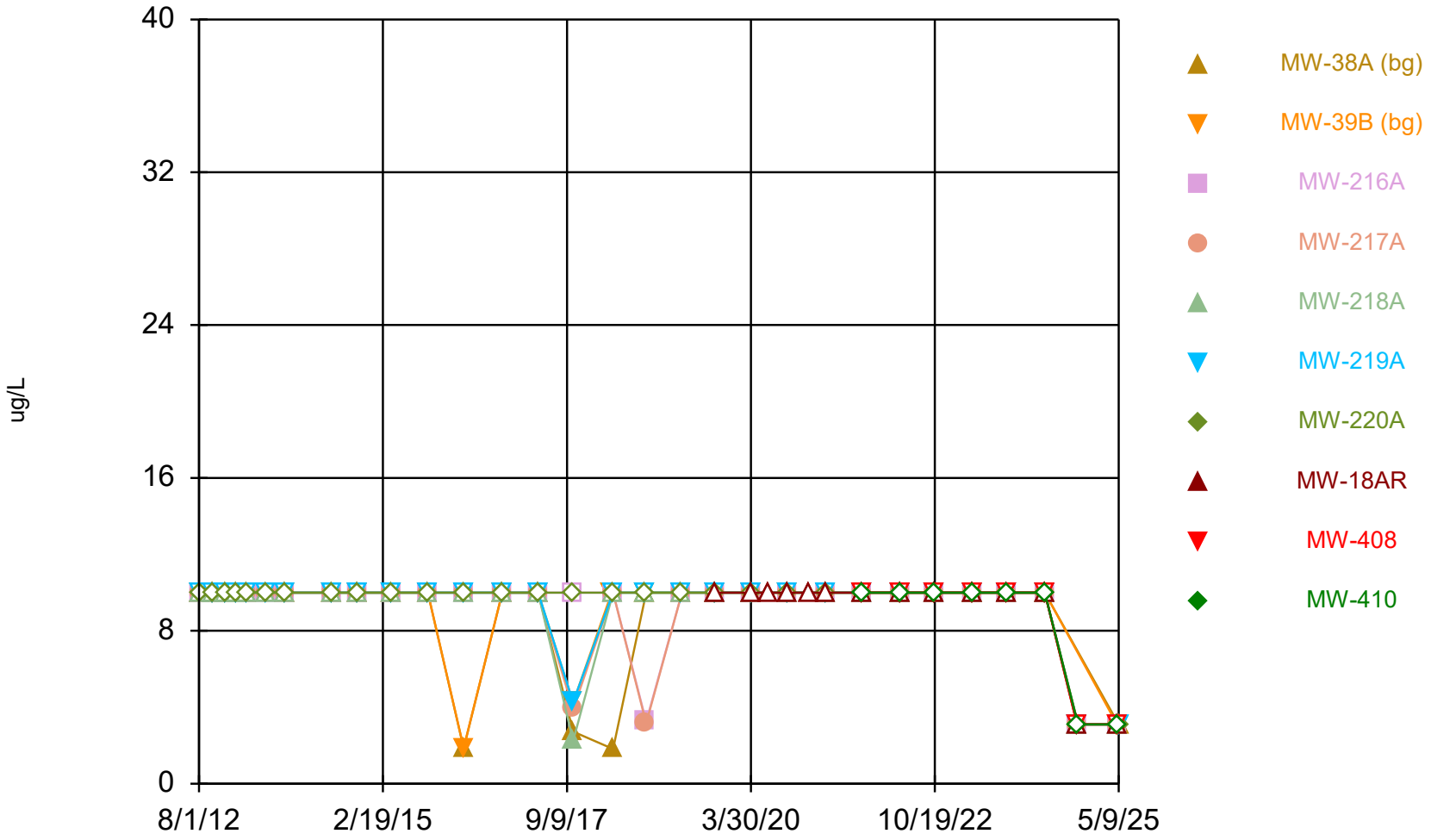


Constituent: Acetone Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

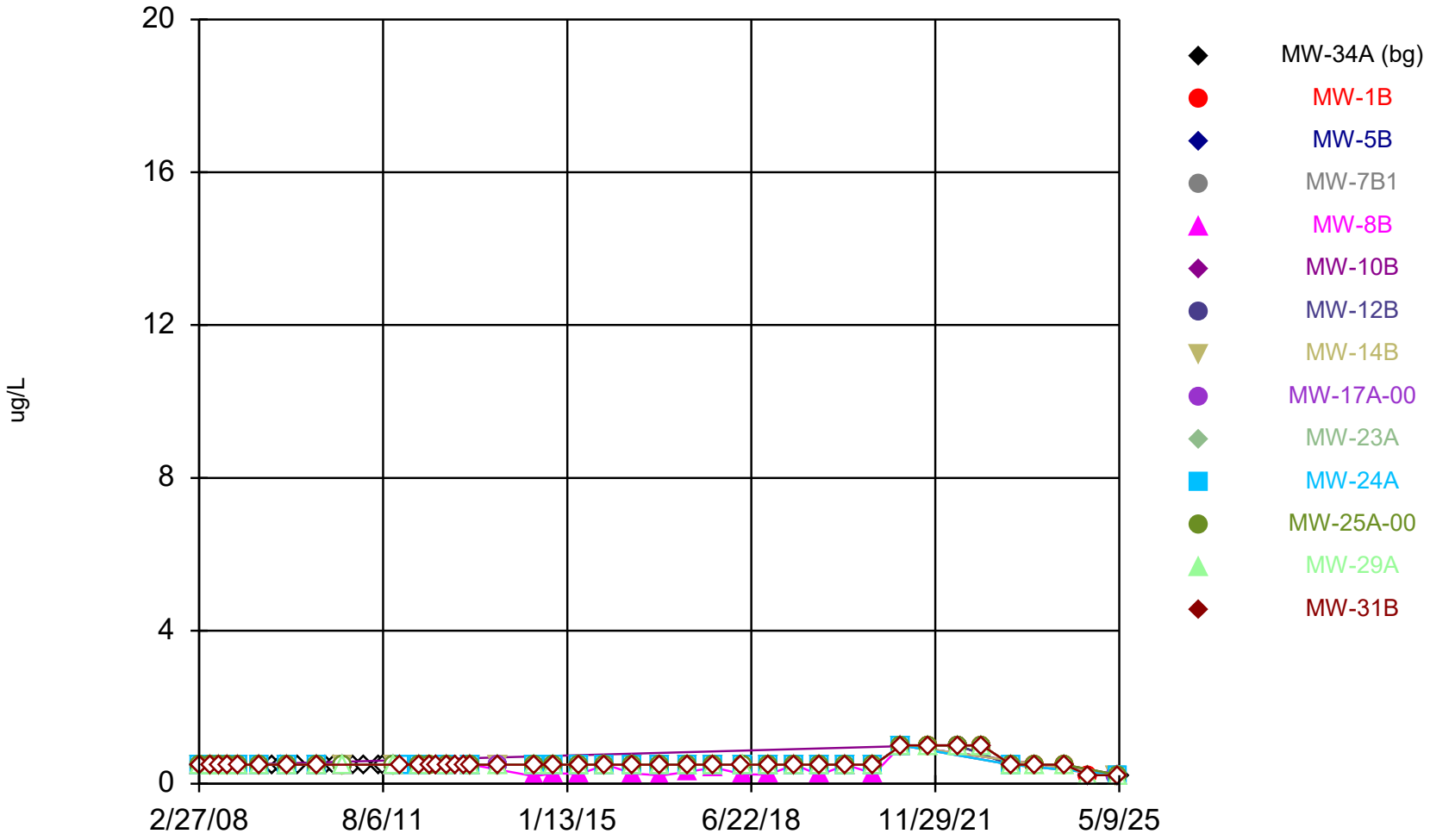


Constituent: Acetone Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

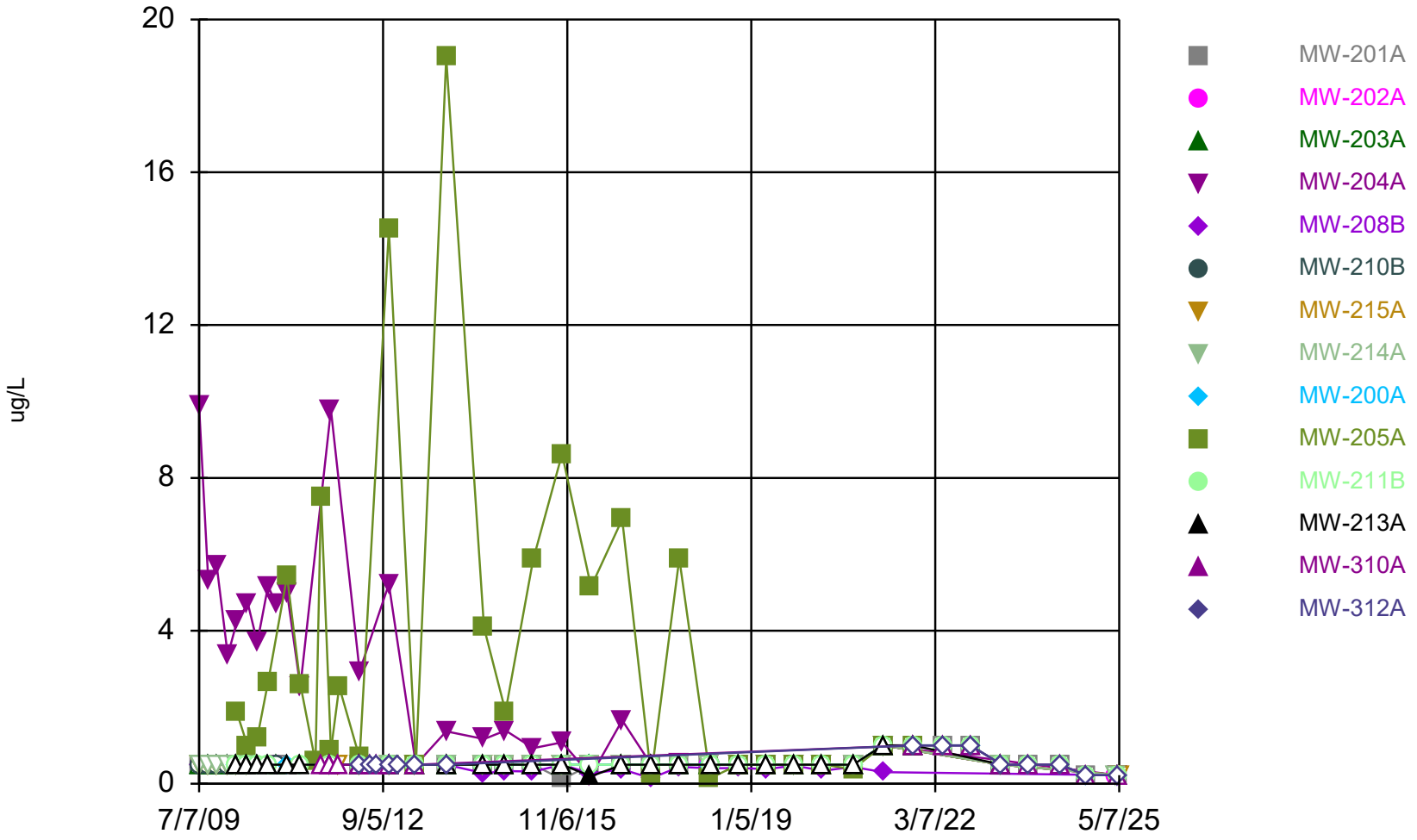


Constituent: Benzene Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

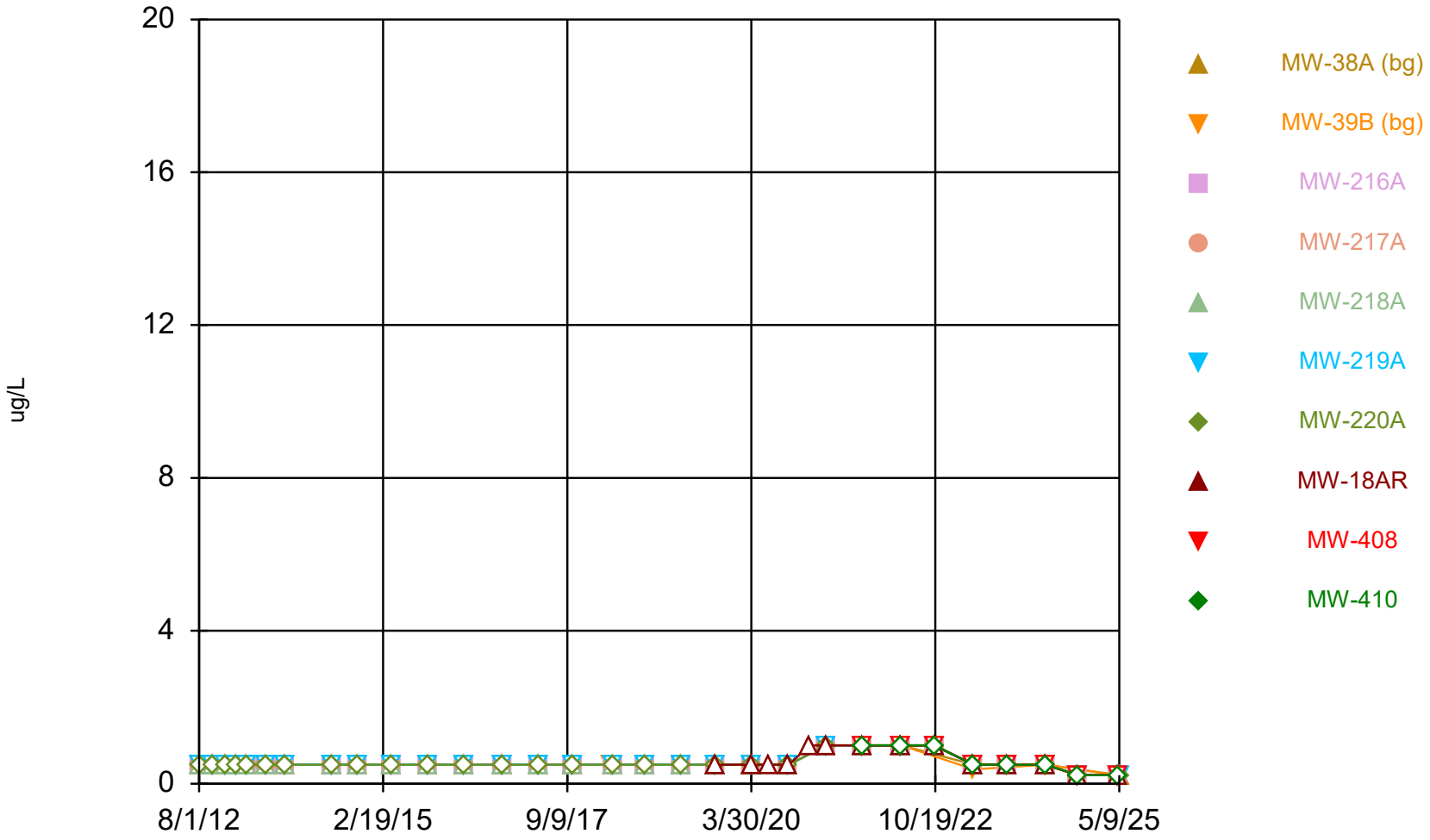


Constituent: Benzene Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

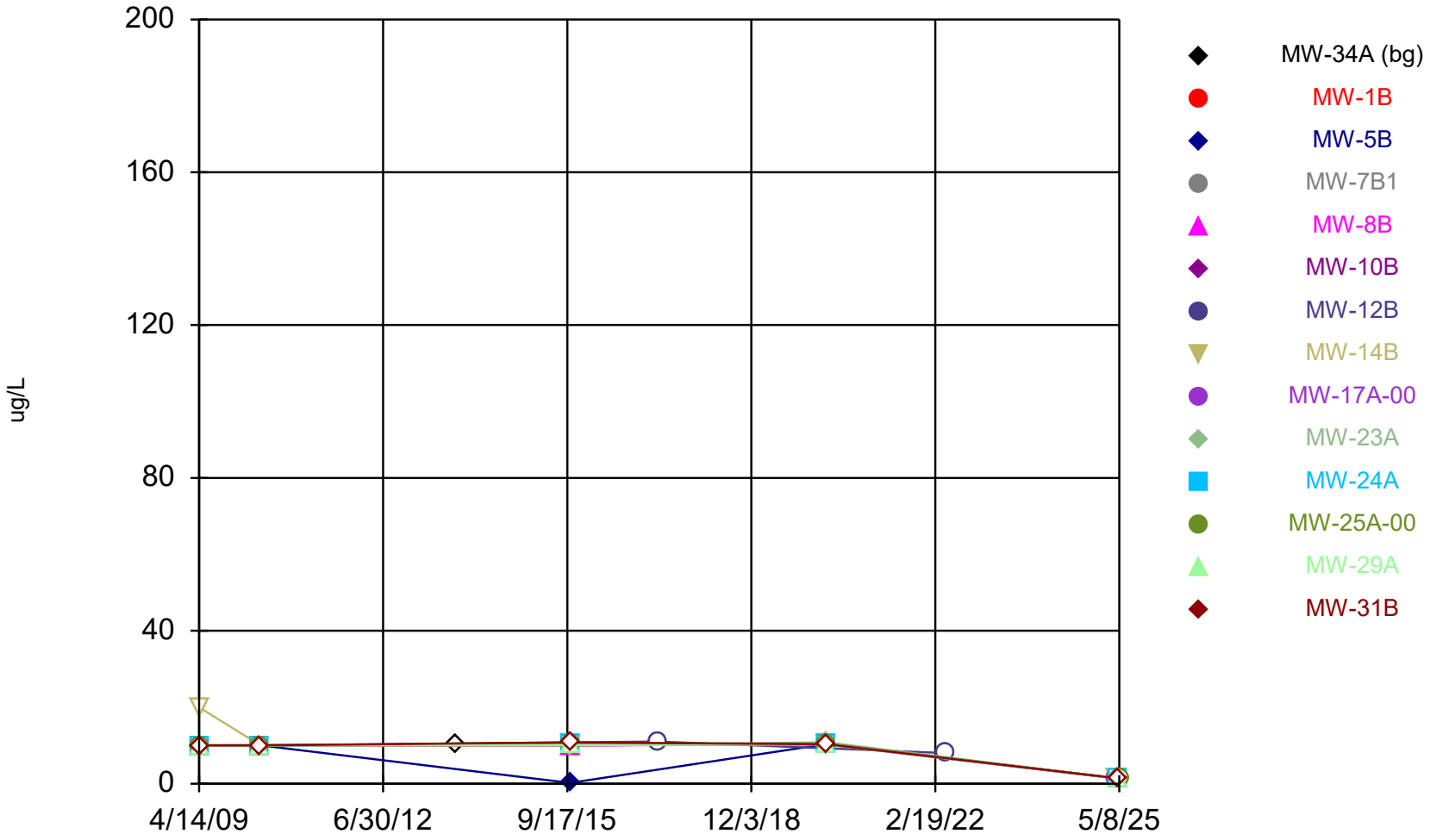


Constituent: Benzene Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

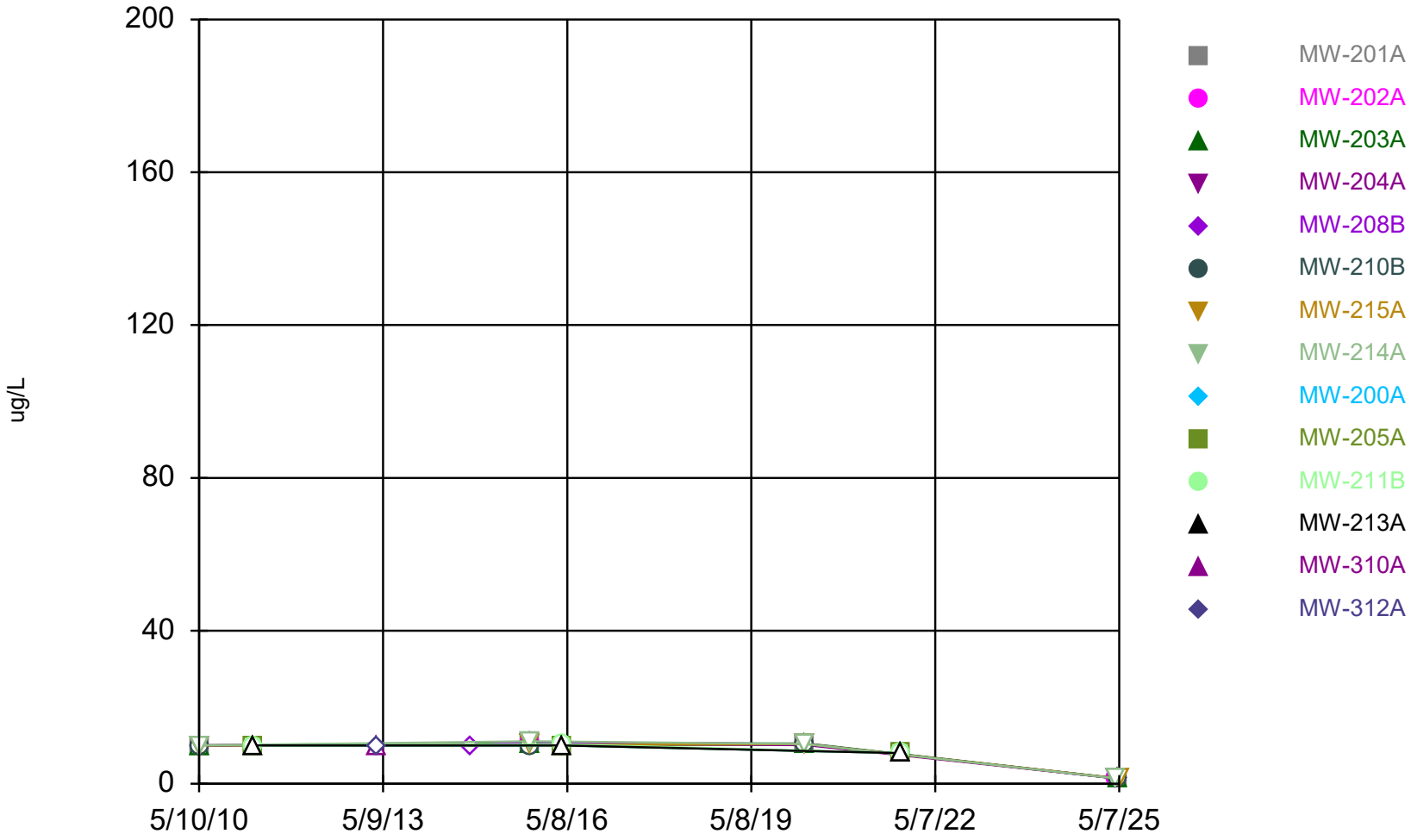


Constituent: Benzyl alcohol Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

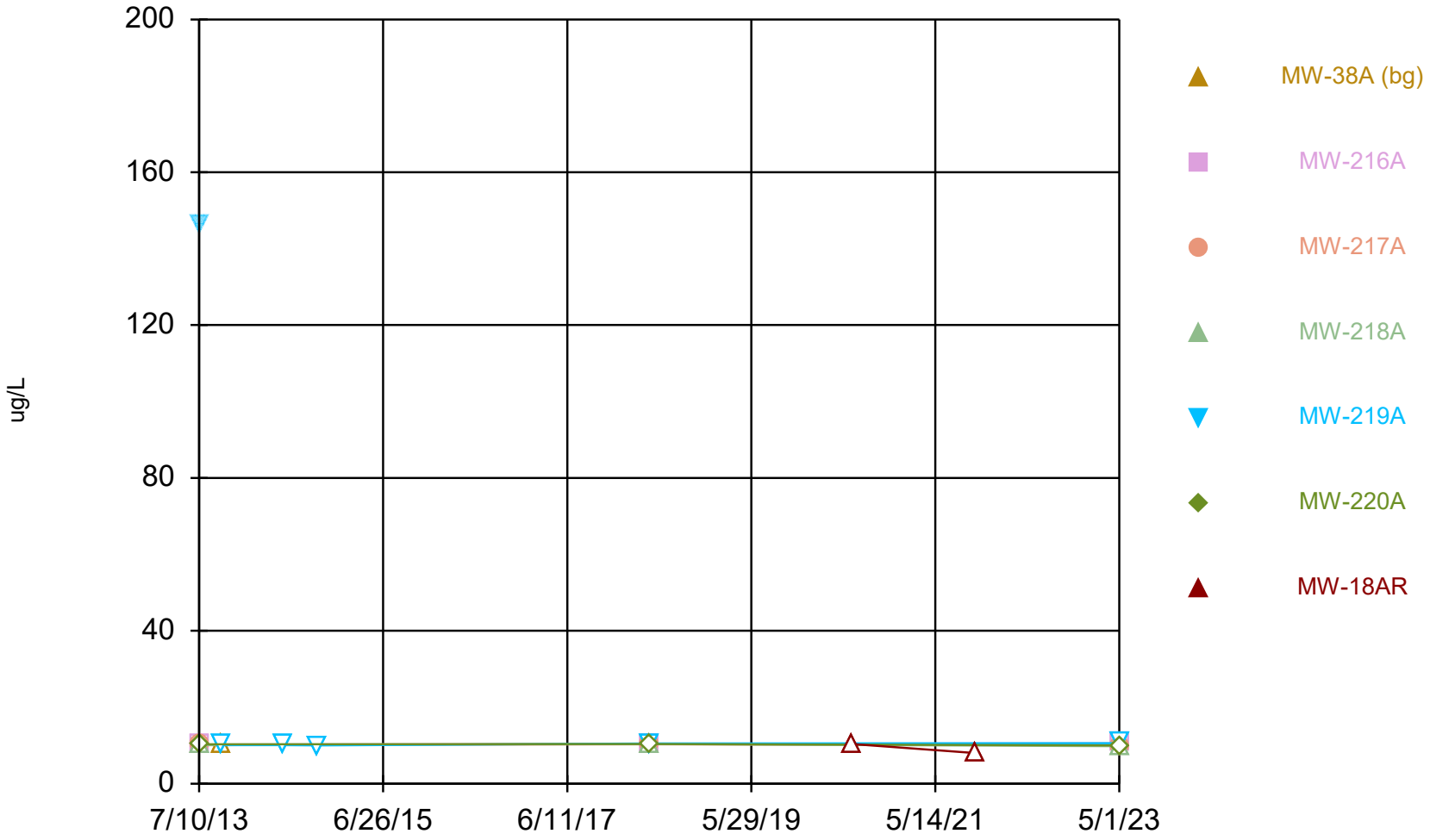


Constituent: Benzyl alcohol Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

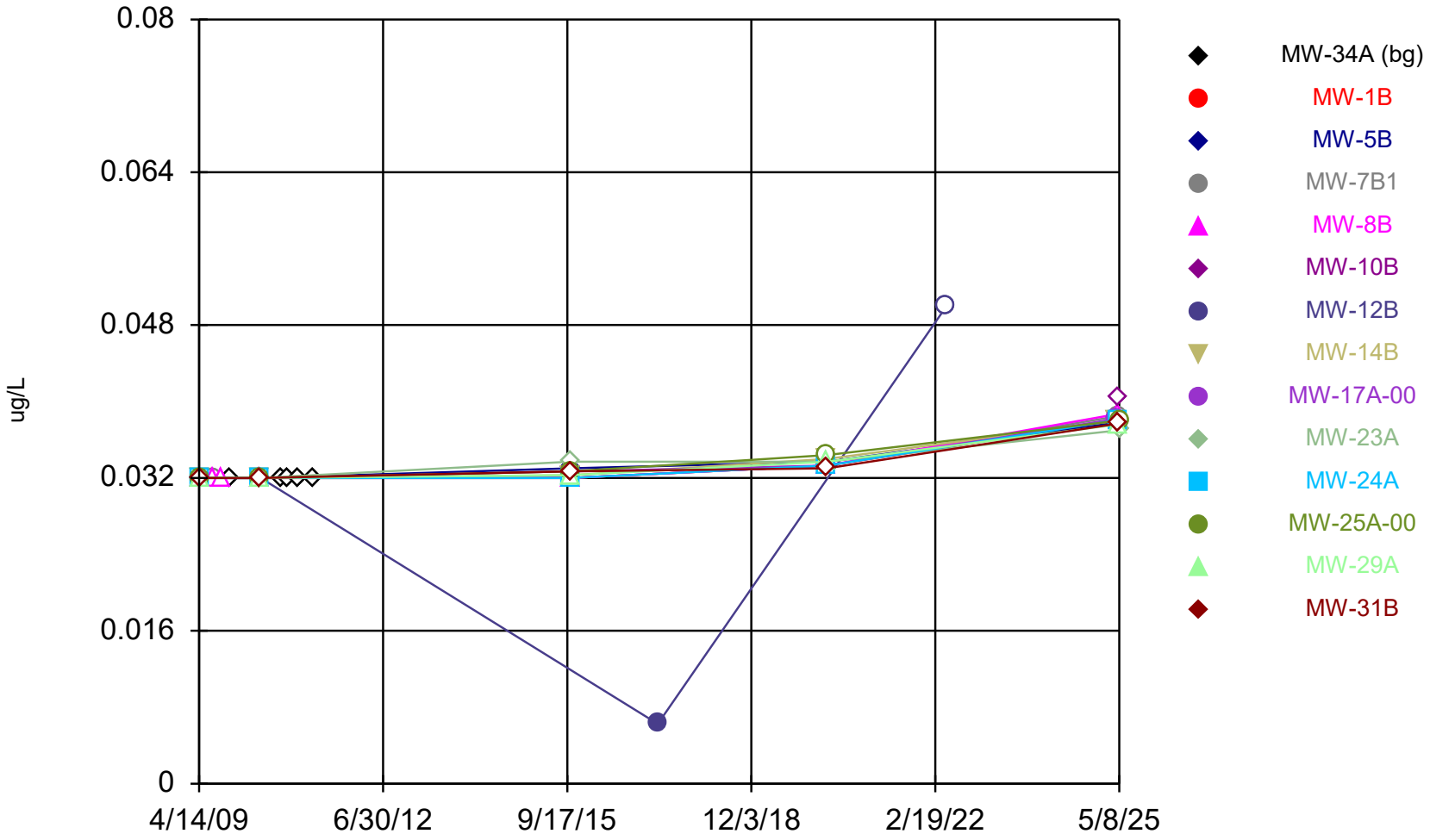


Constituent: Benzyl alcohol Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

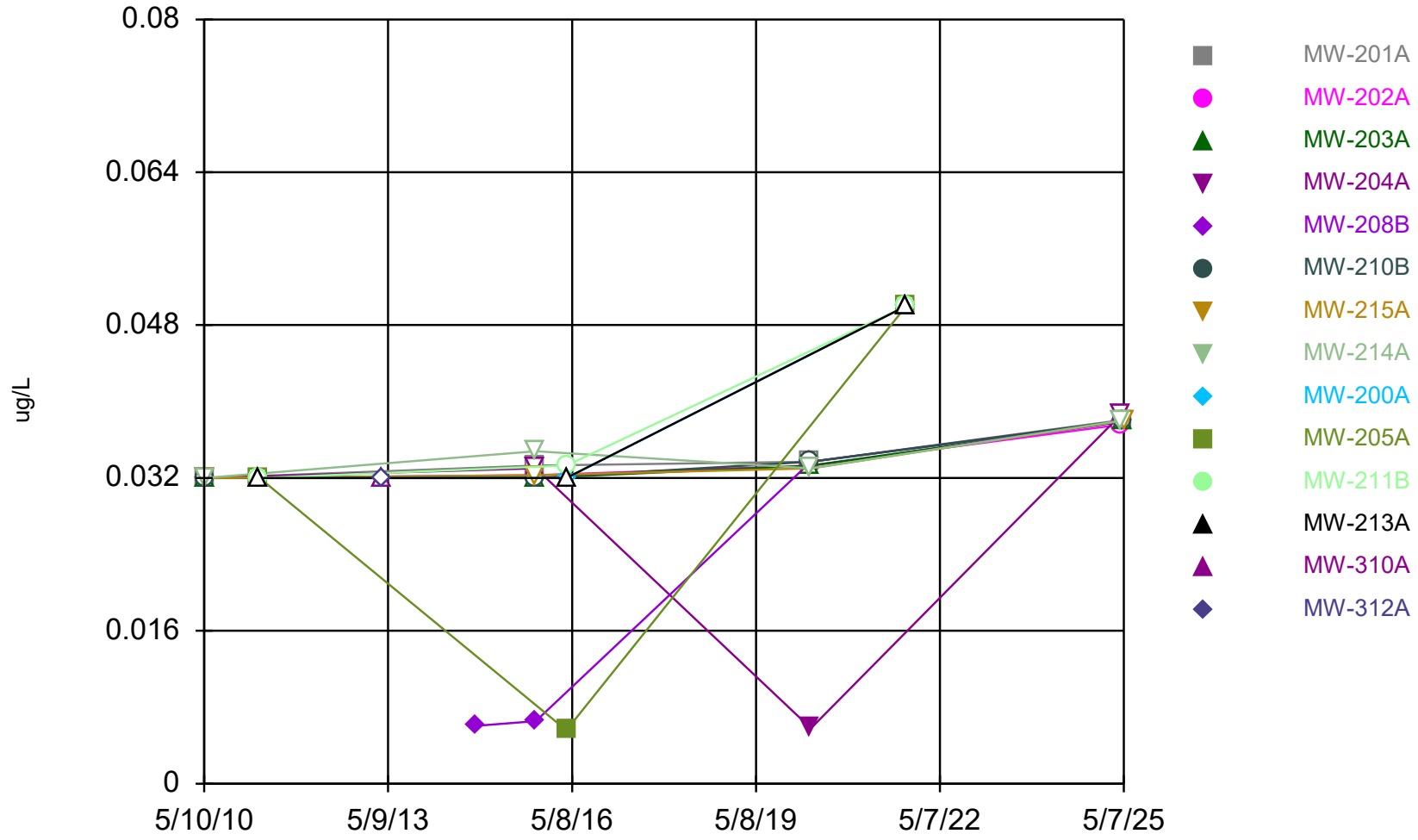


Constituent: Beta-BHC Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Beta-BHC Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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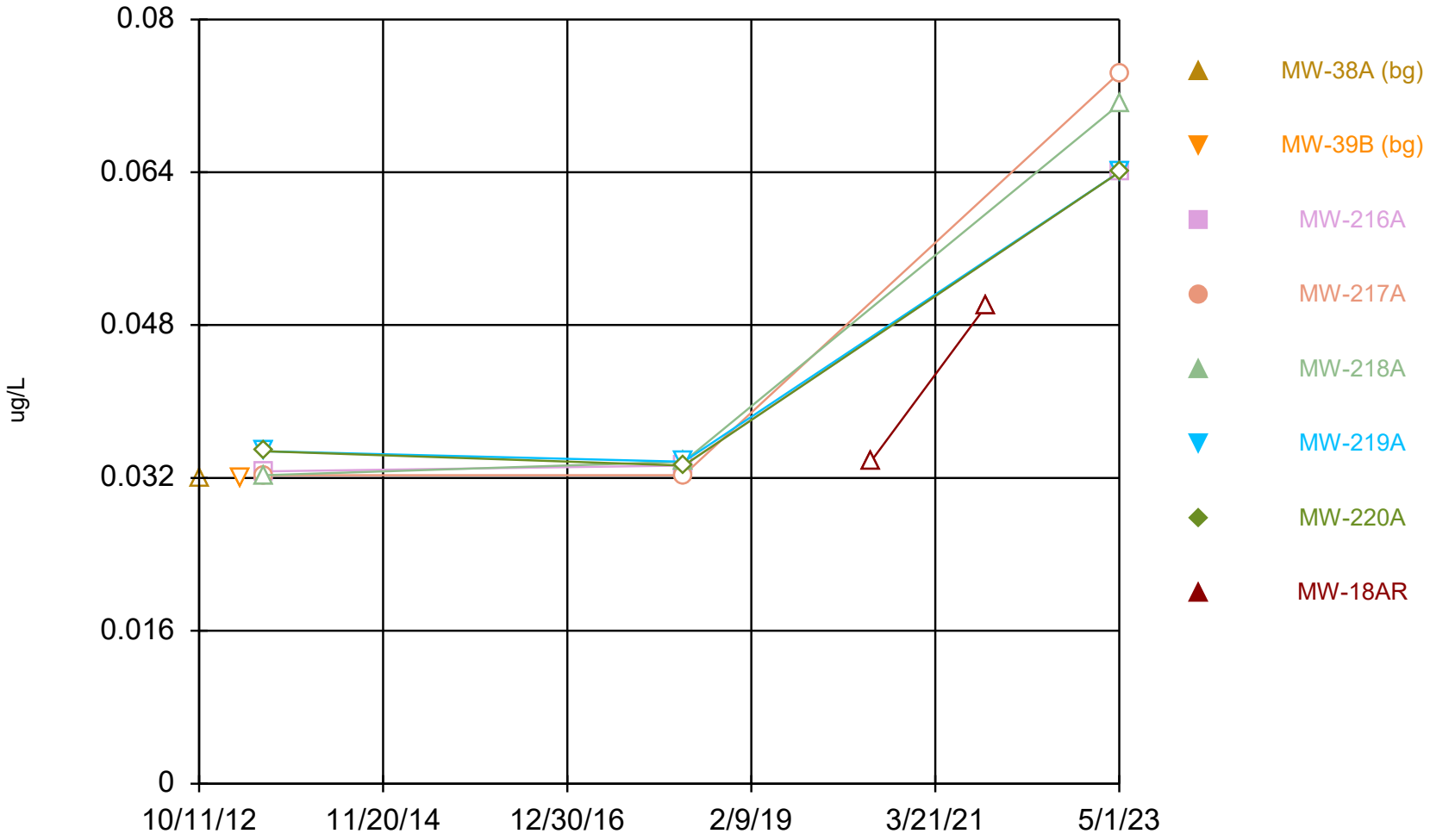

Constituent: Beta-BHC Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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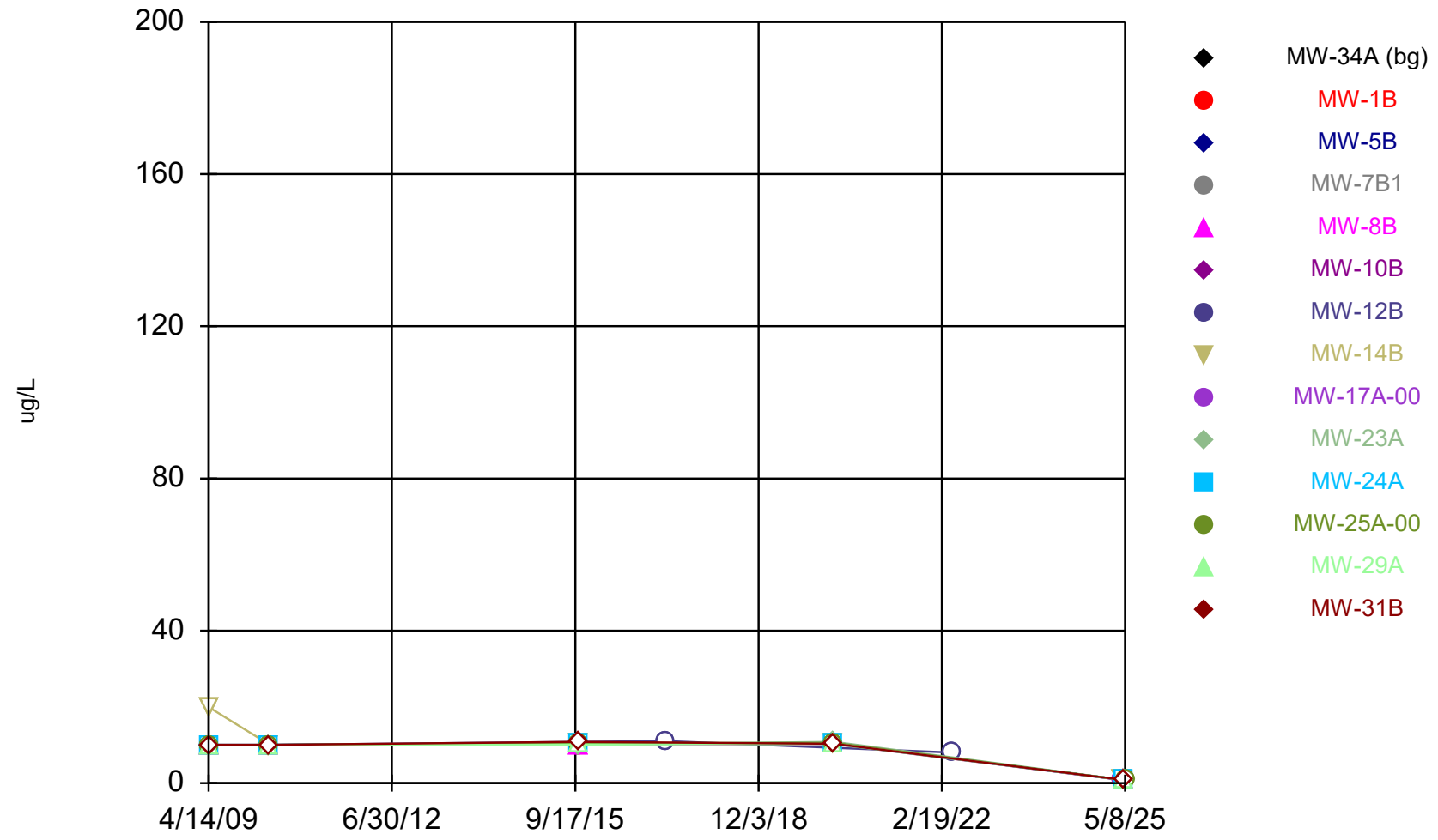
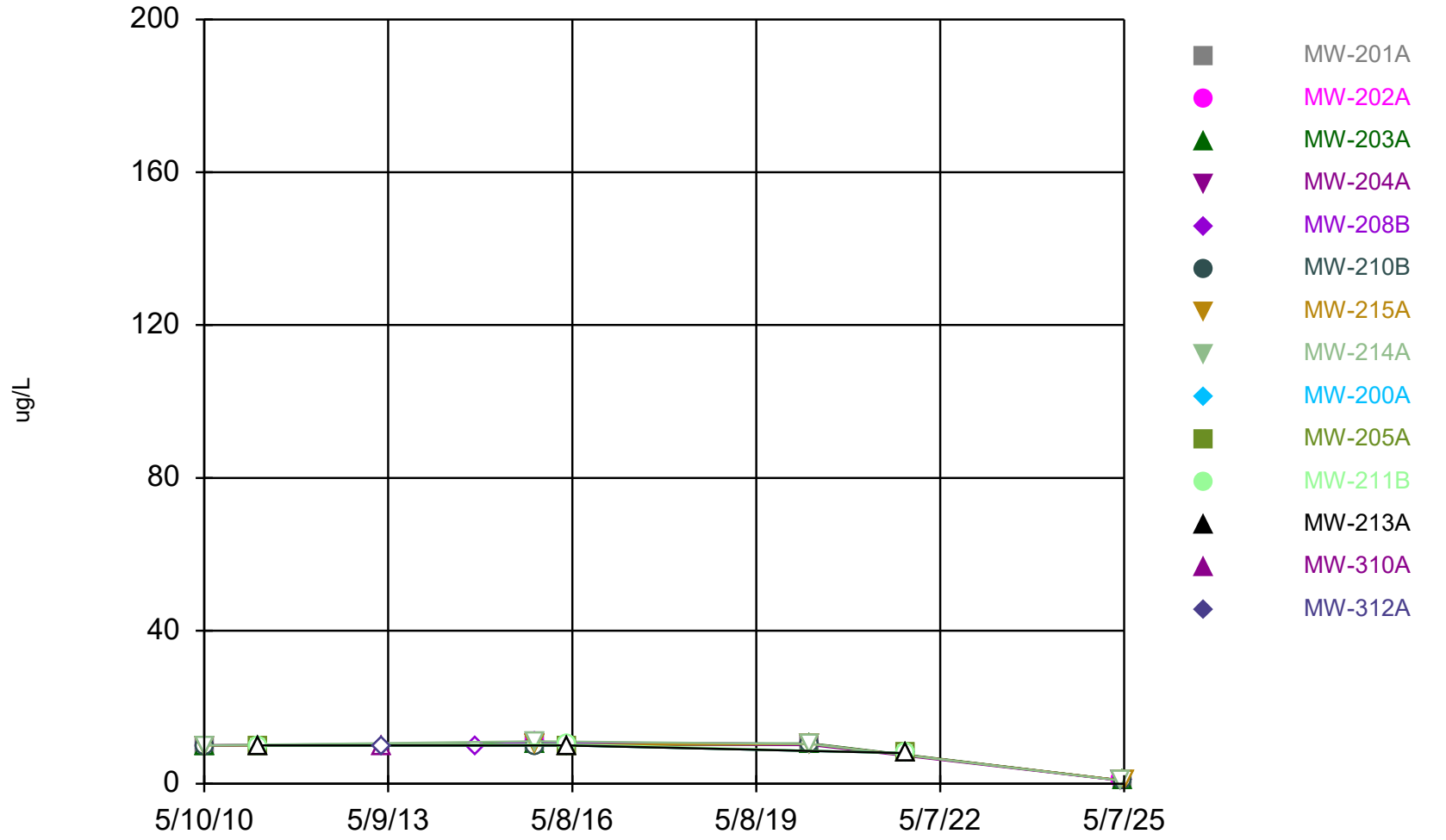


Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

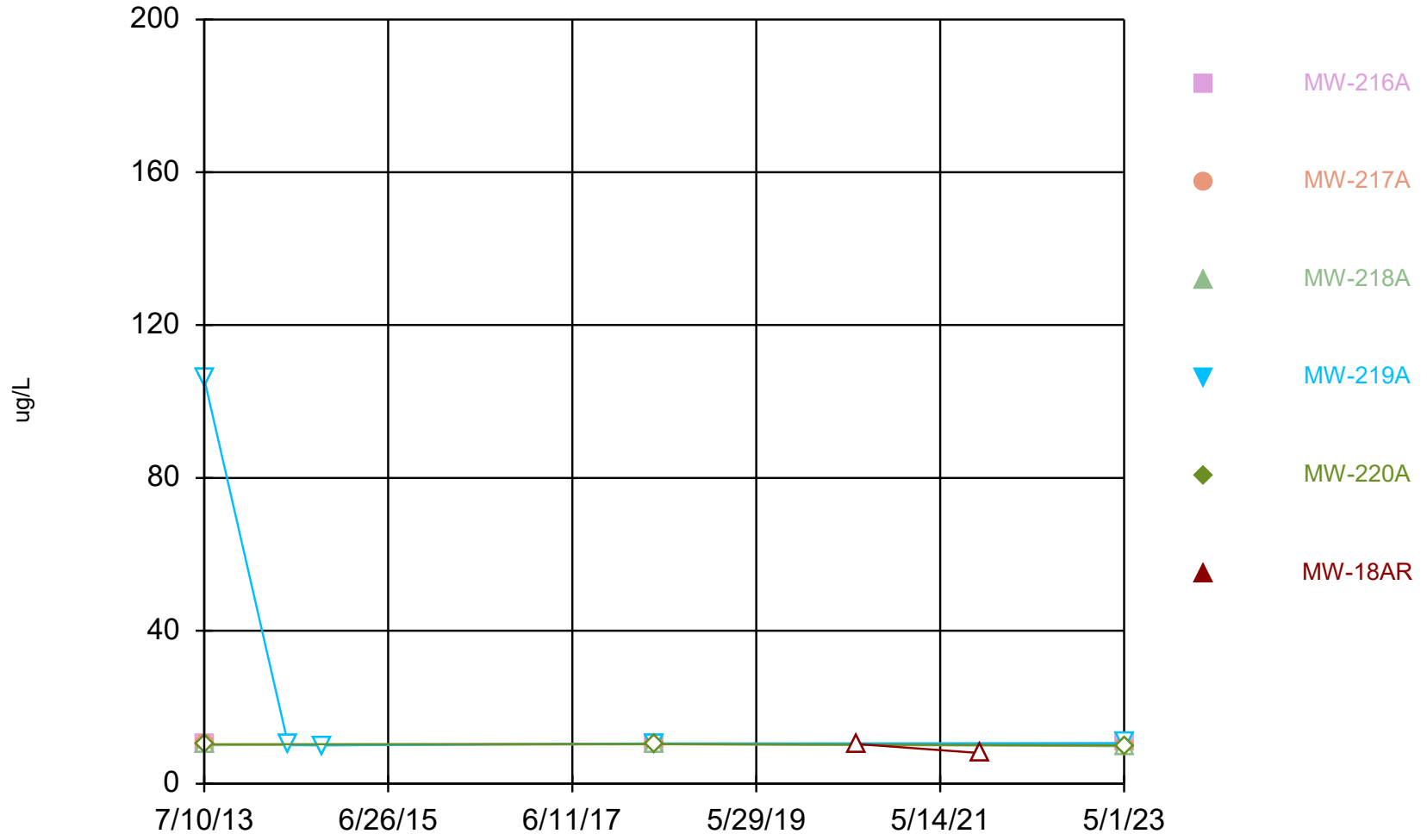


Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

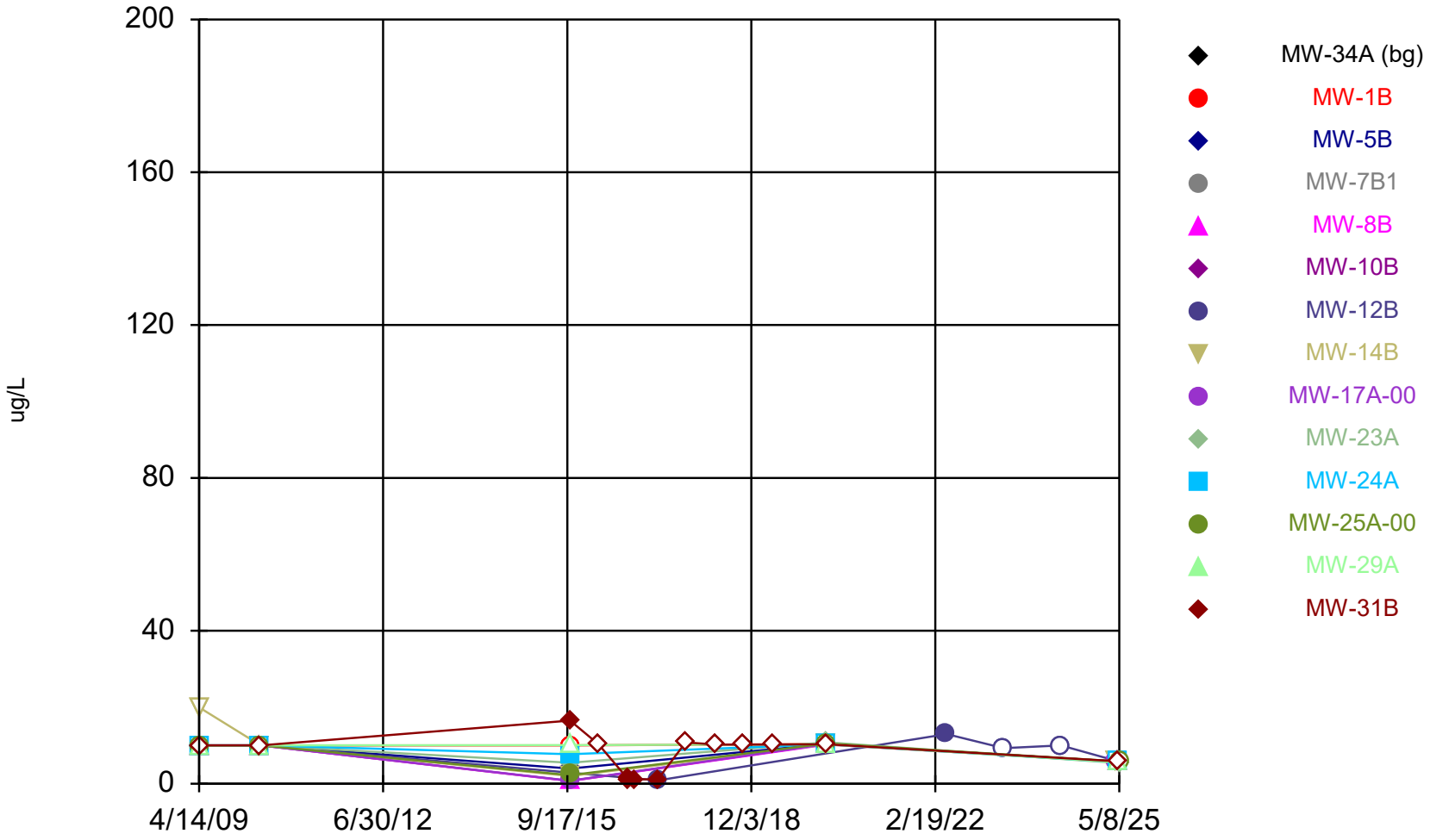


Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

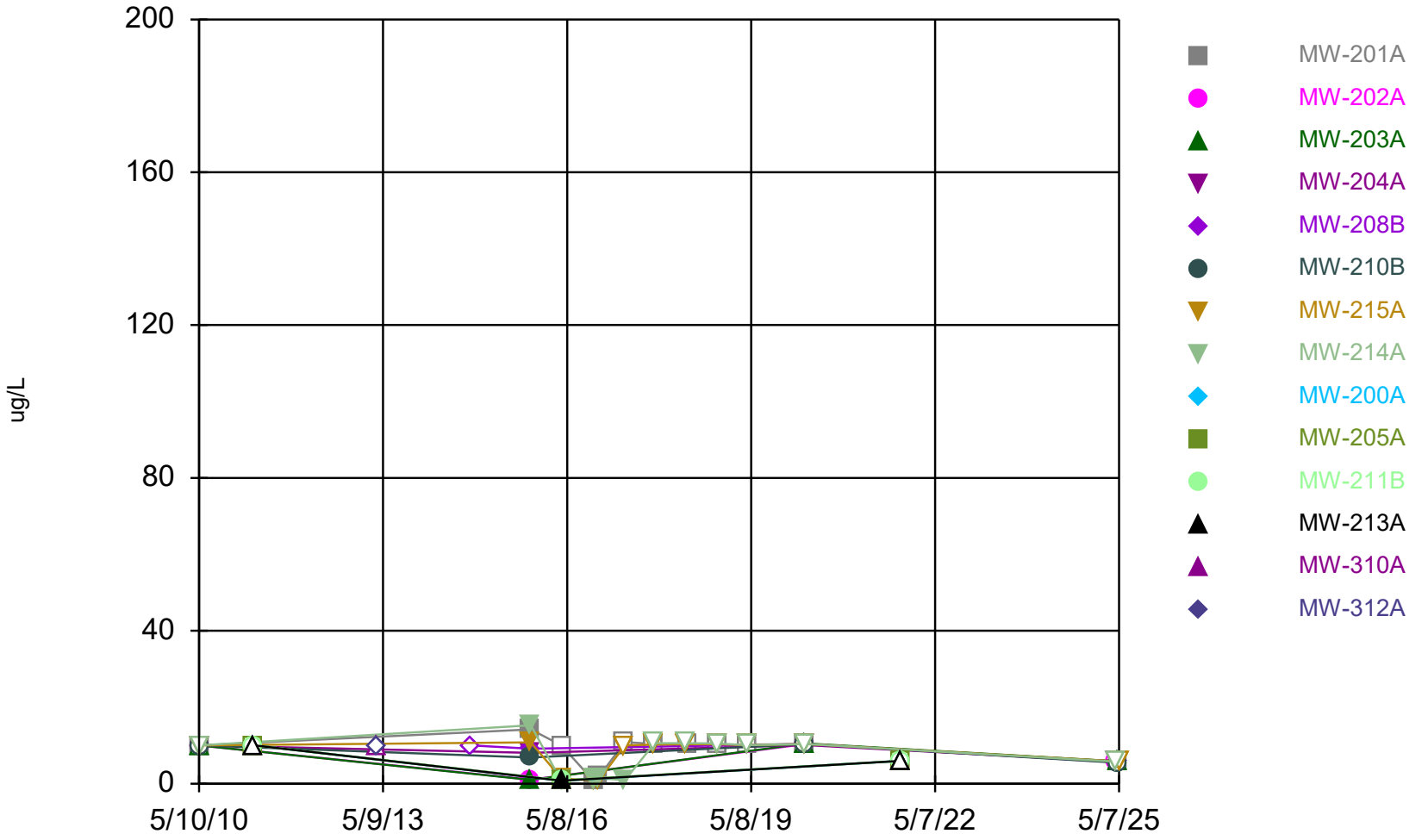


Constituent: Bis[2-ethylhexyl]phthalate Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

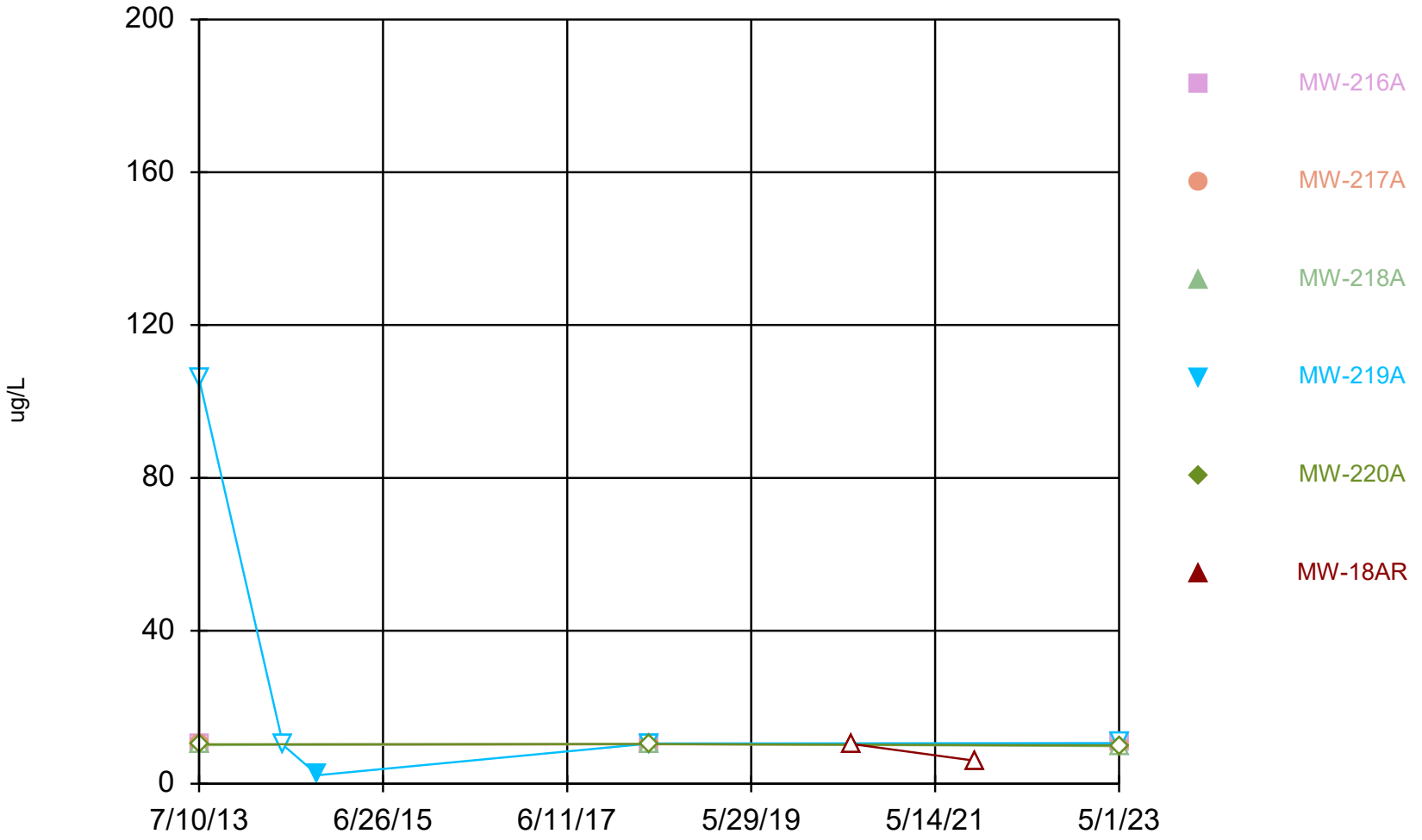


Constituent: Bis[2-ethylhexyl]phthalate Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Bis[2-ethylhexyl]phthalate Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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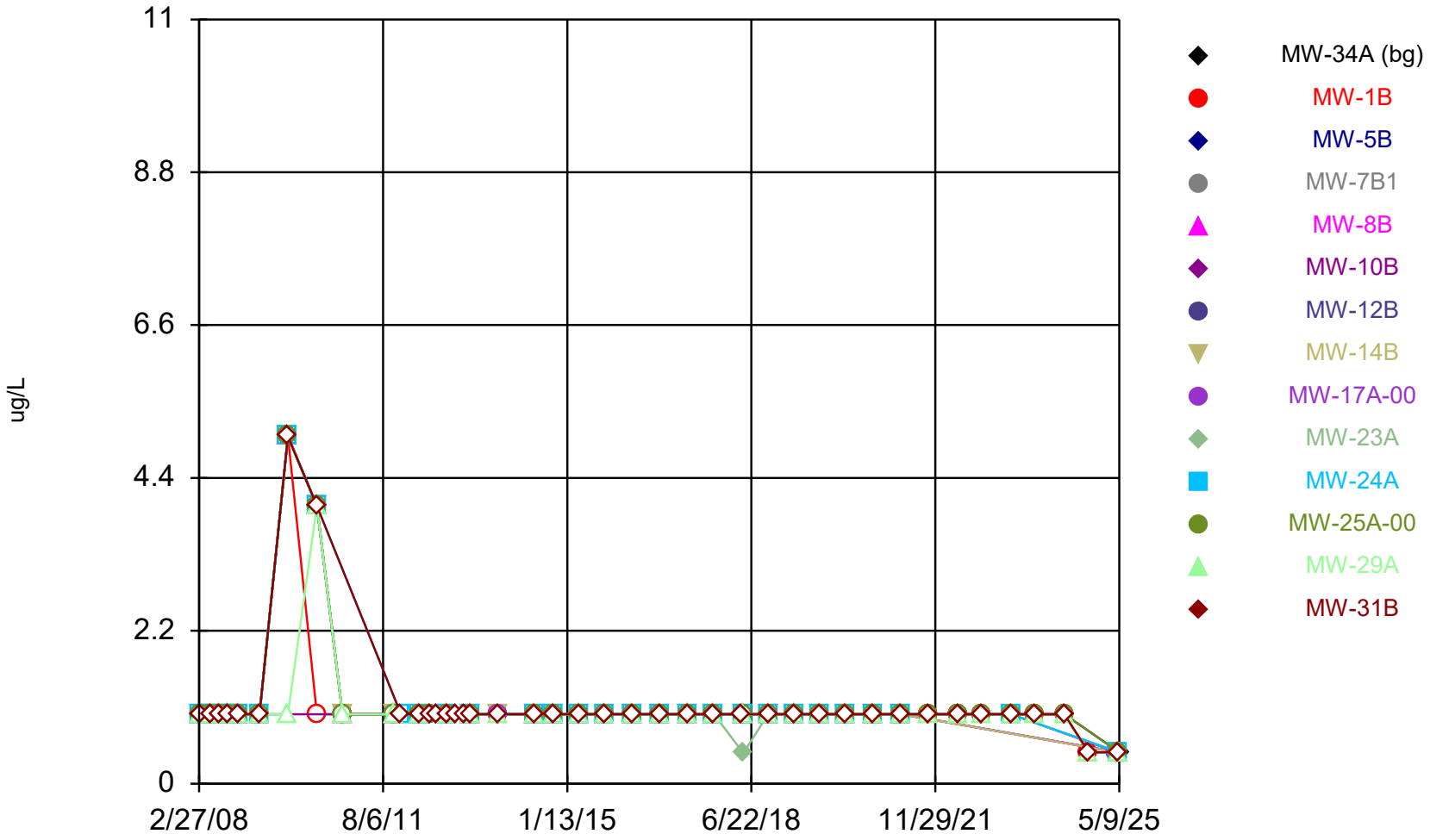
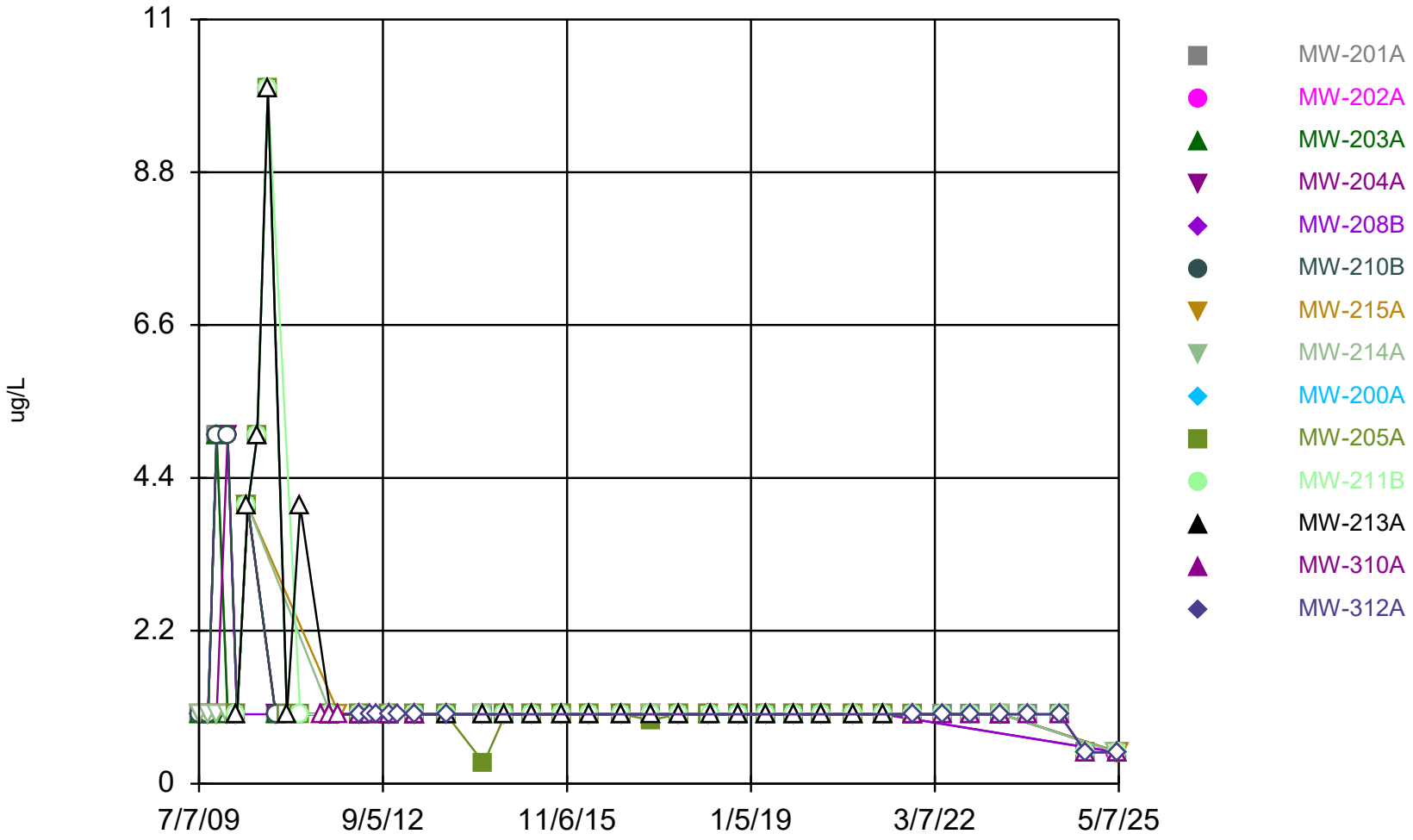


Constituent: Carbon Disulfide Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

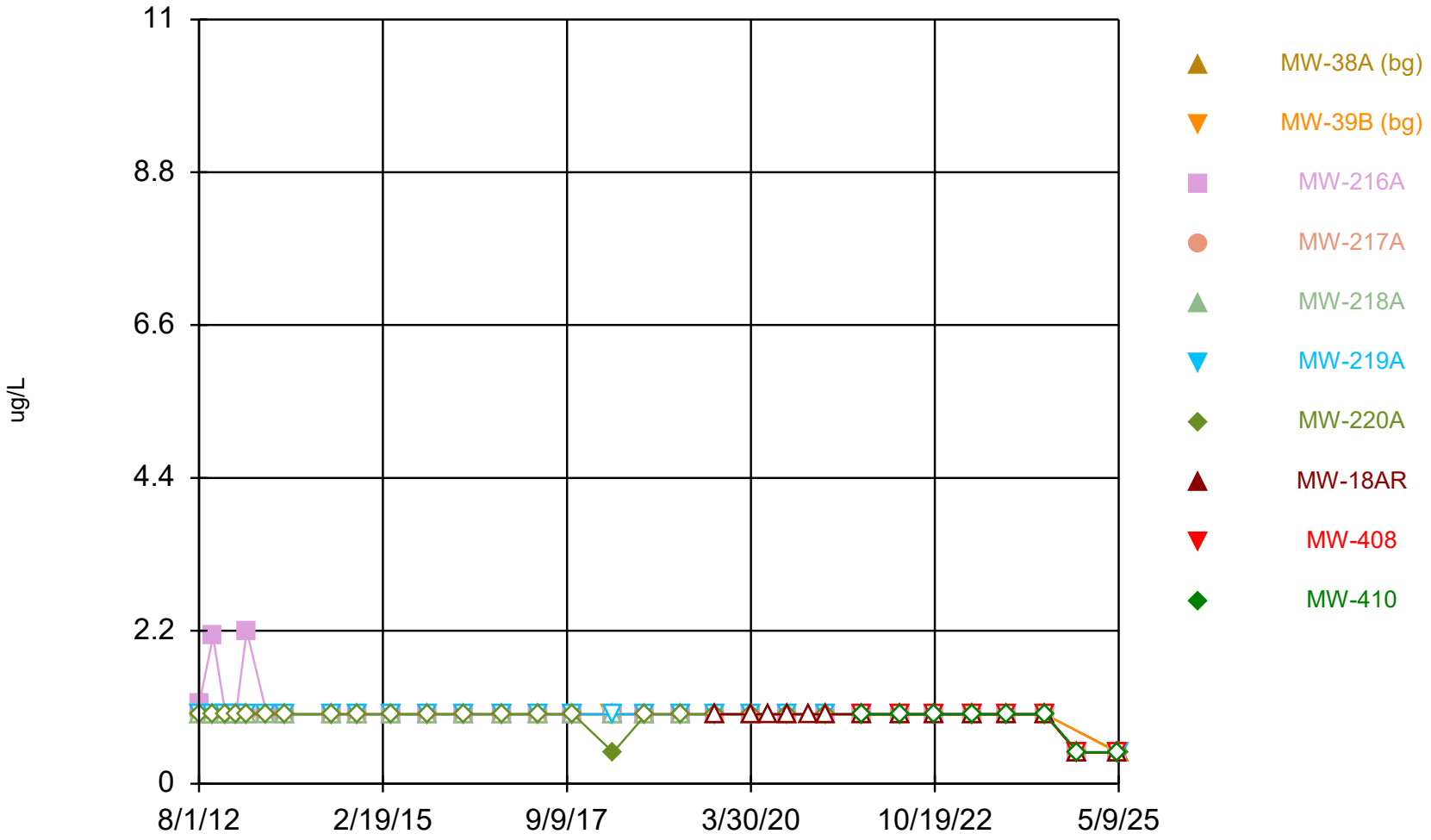


Constituent: Carbon Disulfide Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Carbon Disulfide Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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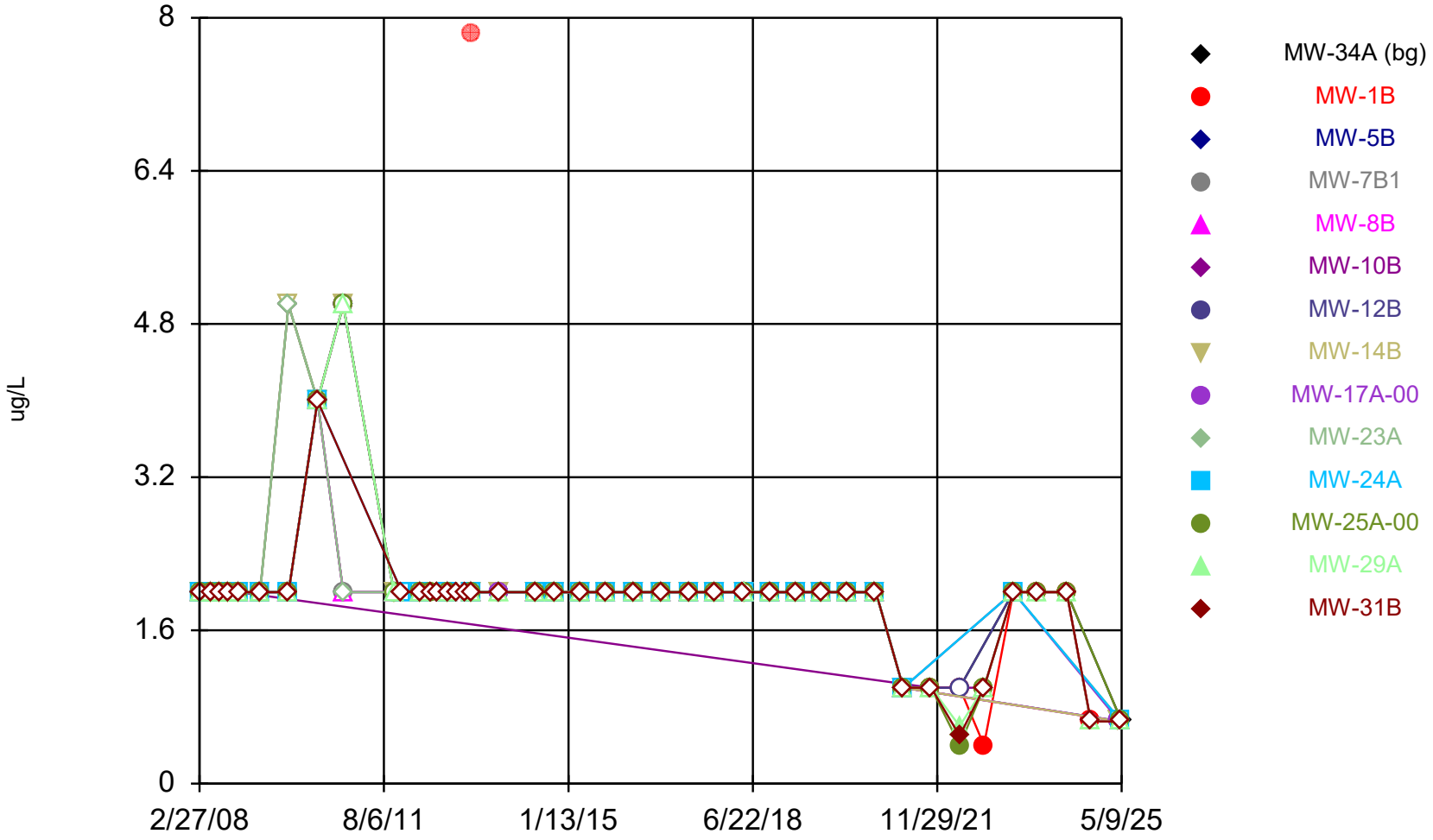
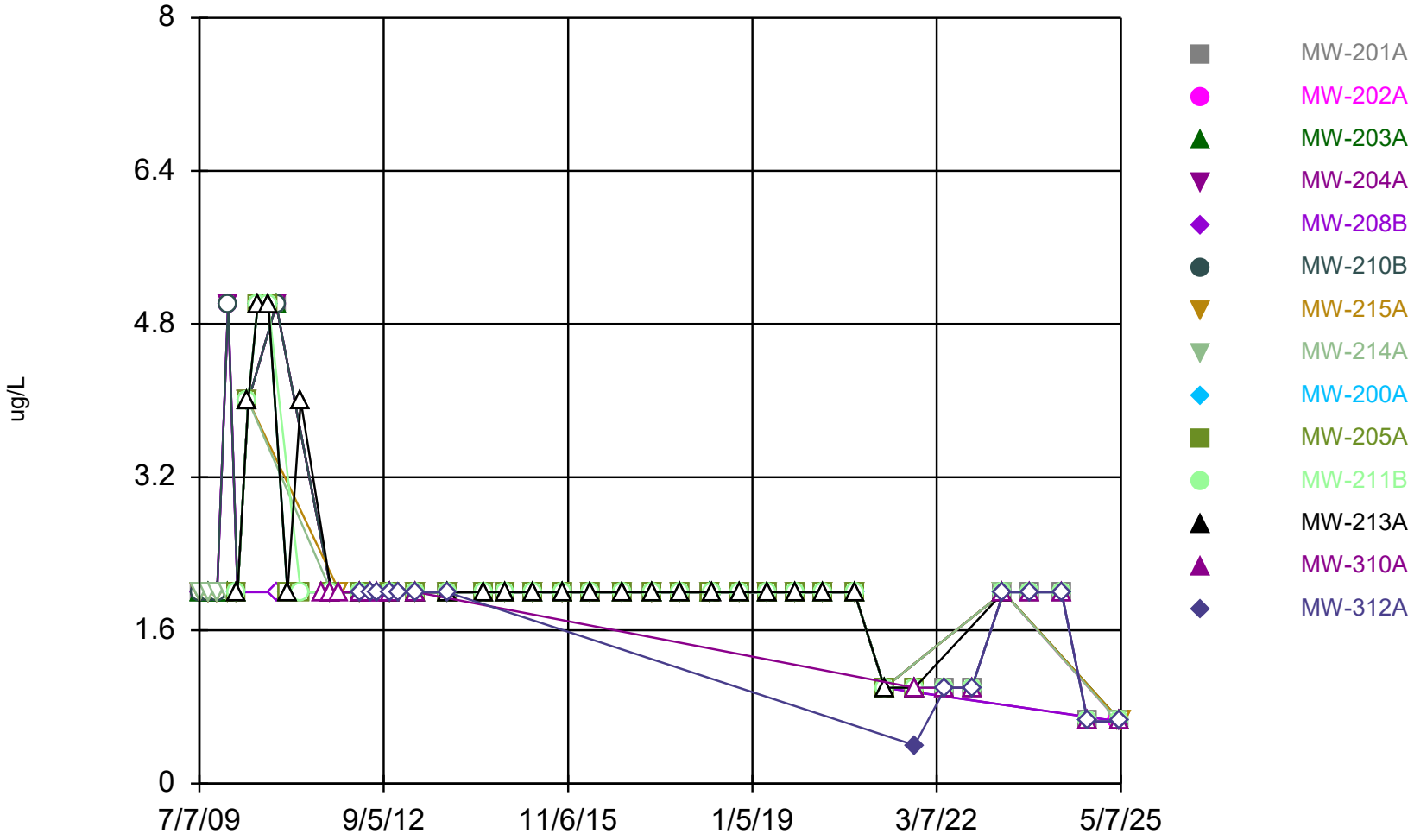


Constituent: Carbon Tetrachloride Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Carbon Tetrachloride Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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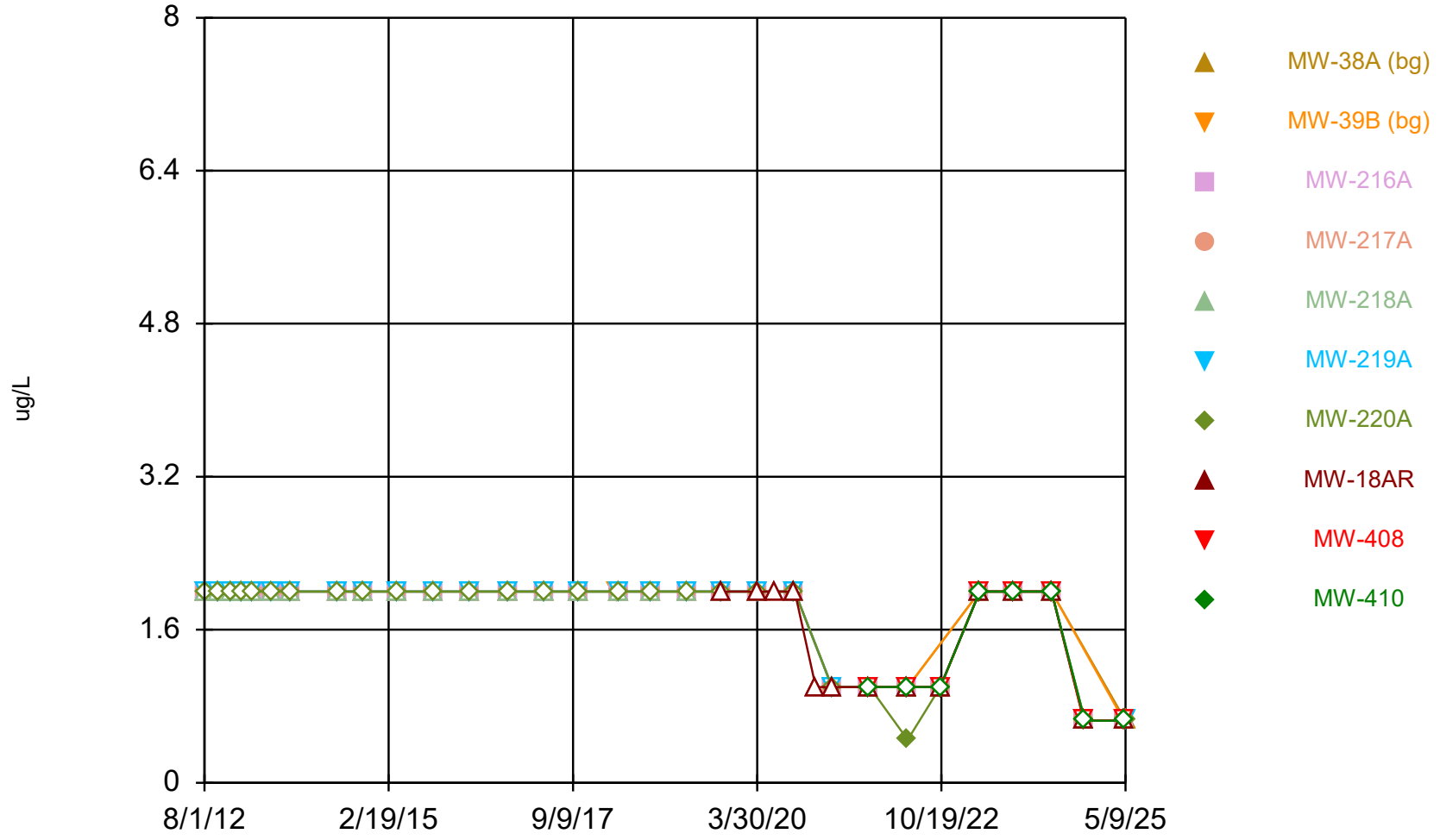

Constituent: Carbon Tetrachloride Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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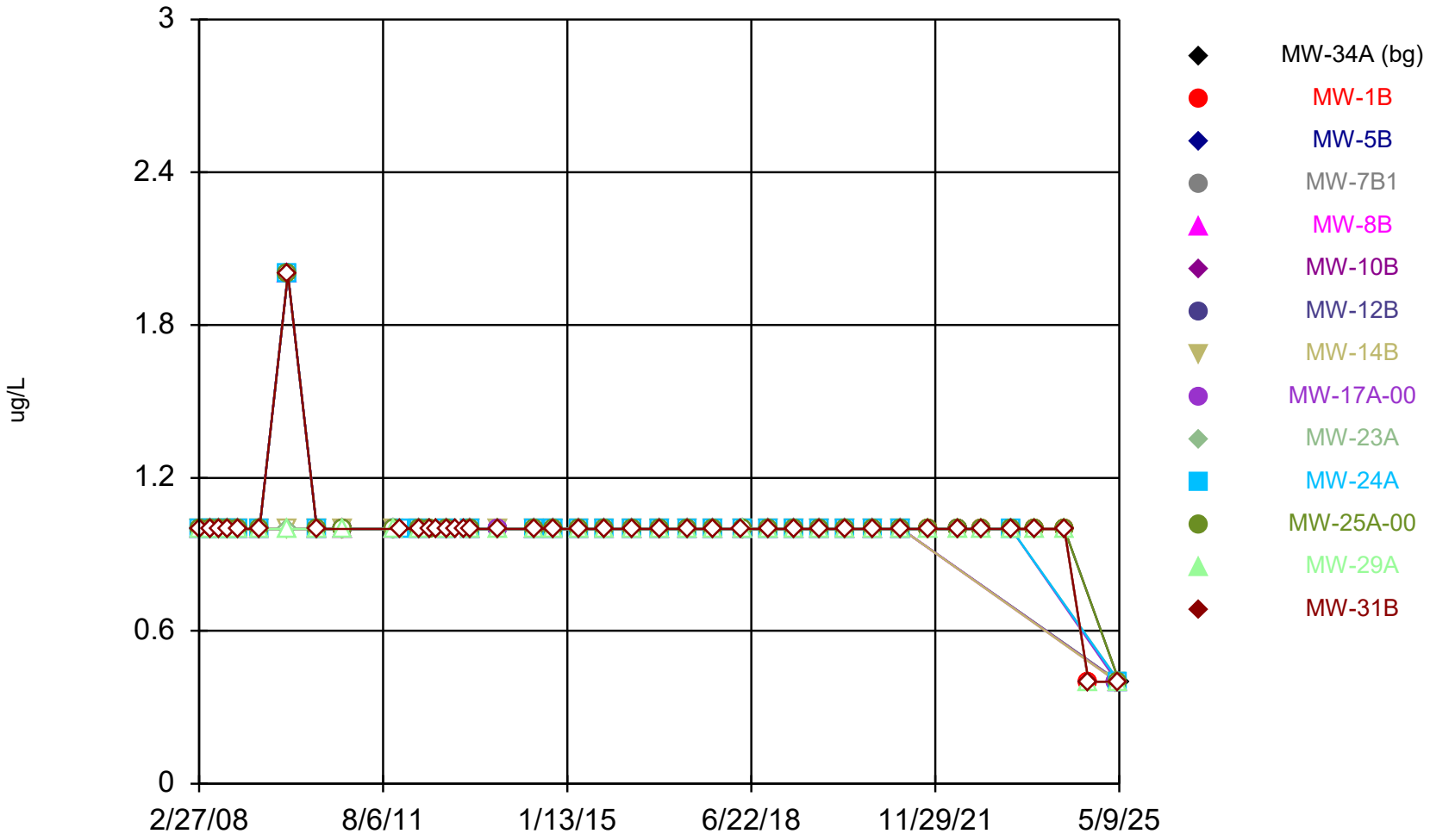
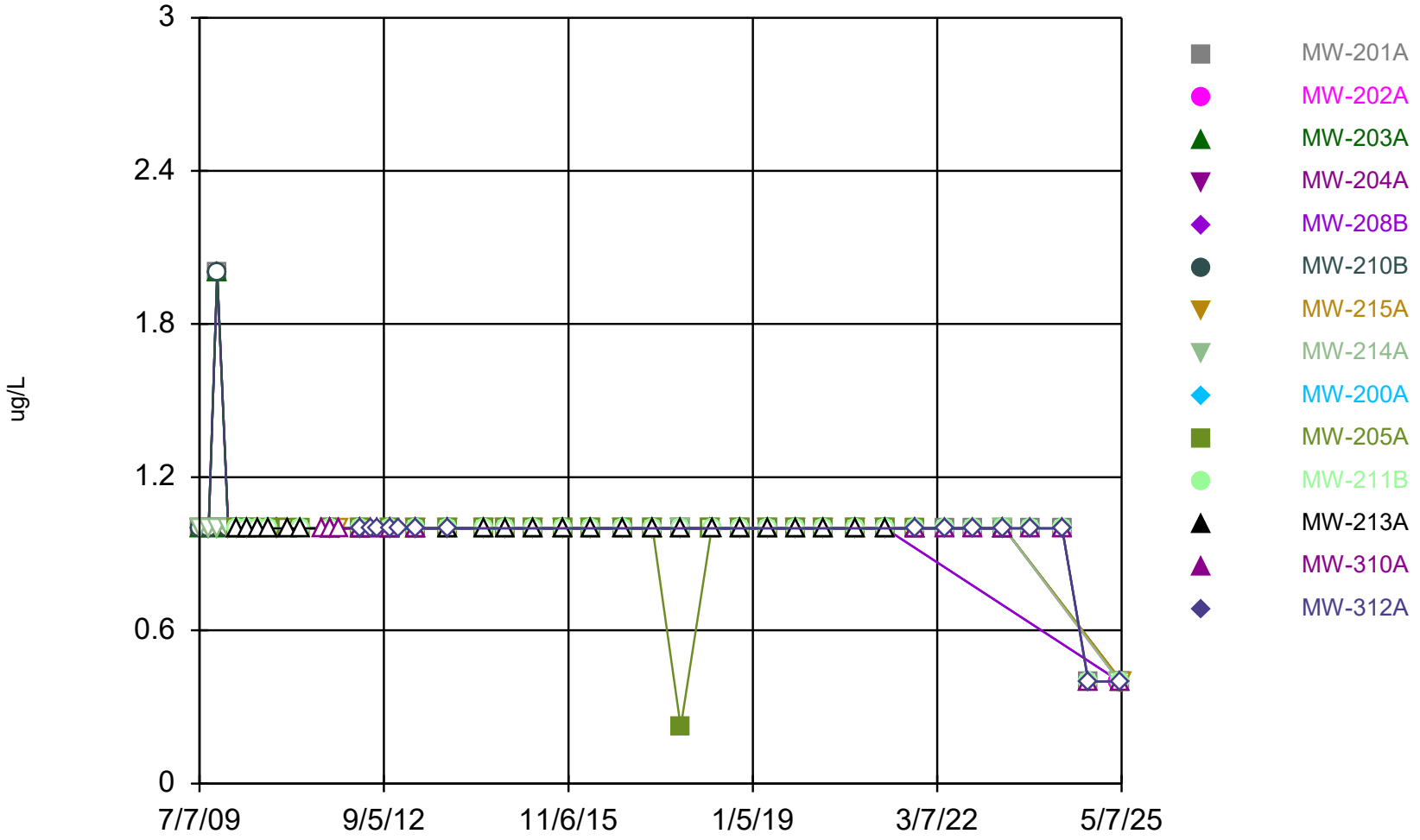


Constituent: Chlorobenzene Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

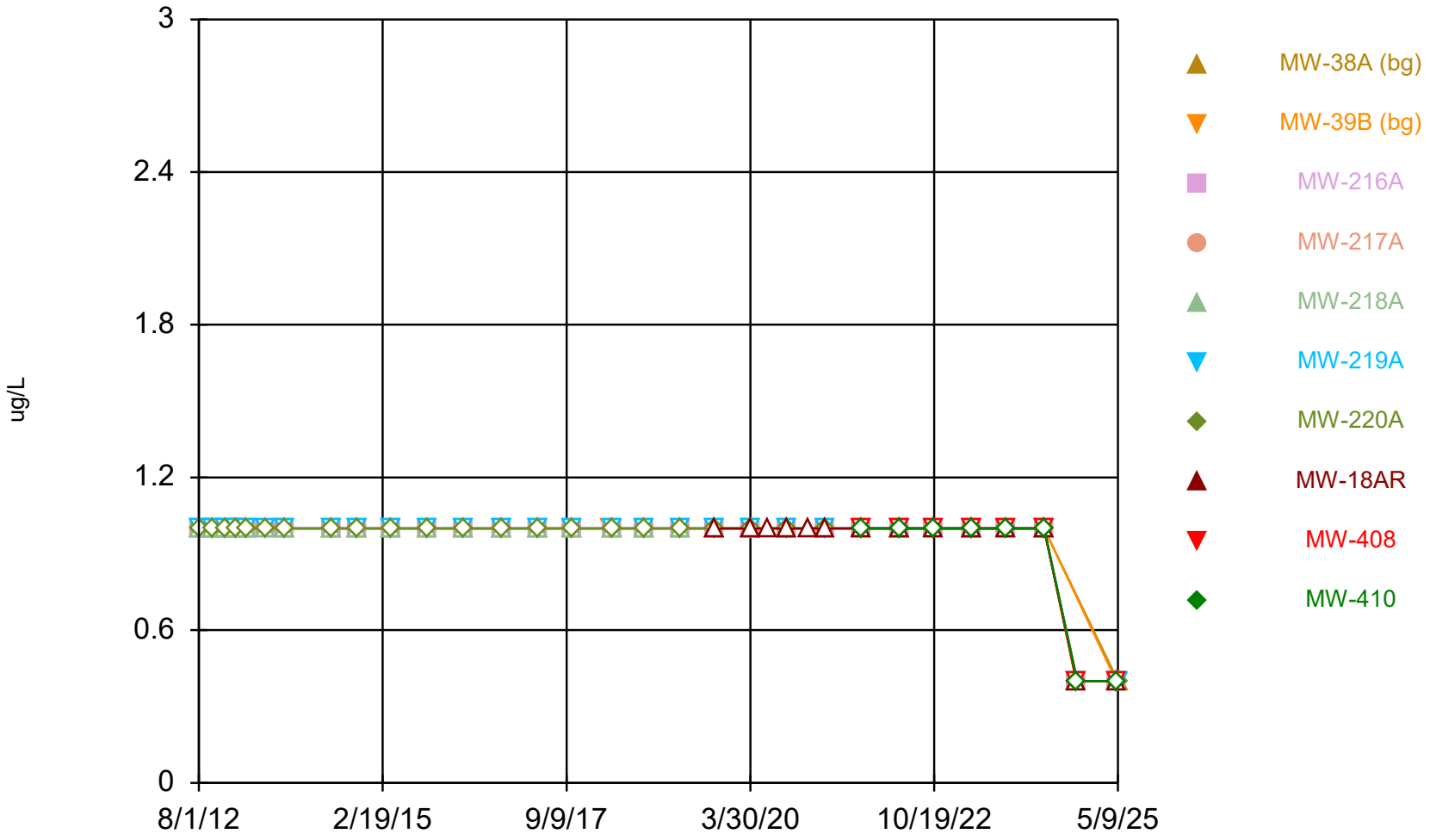


Constituent: Chlorobenzene Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

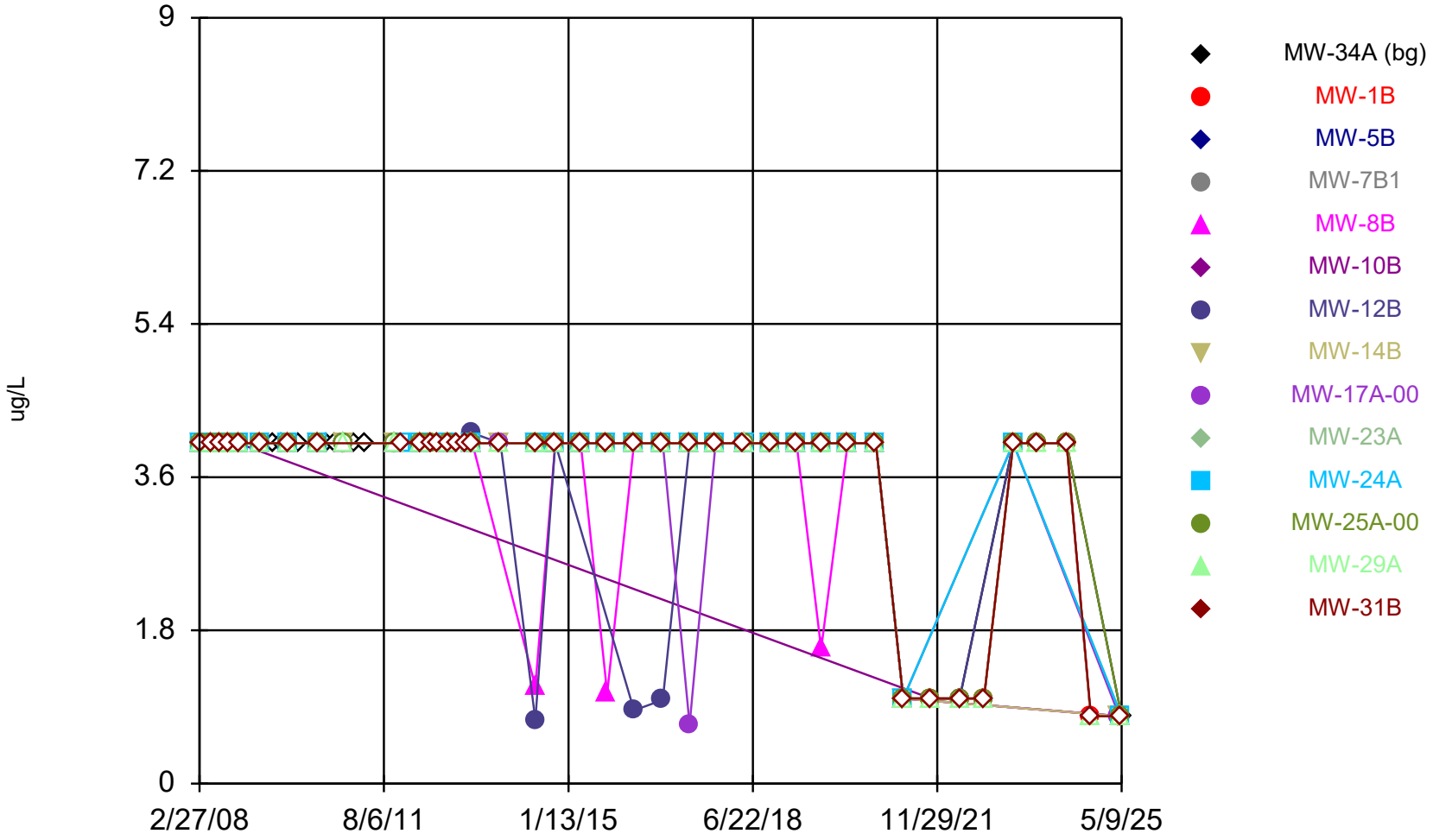


Constituent: Chlorobenzene Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

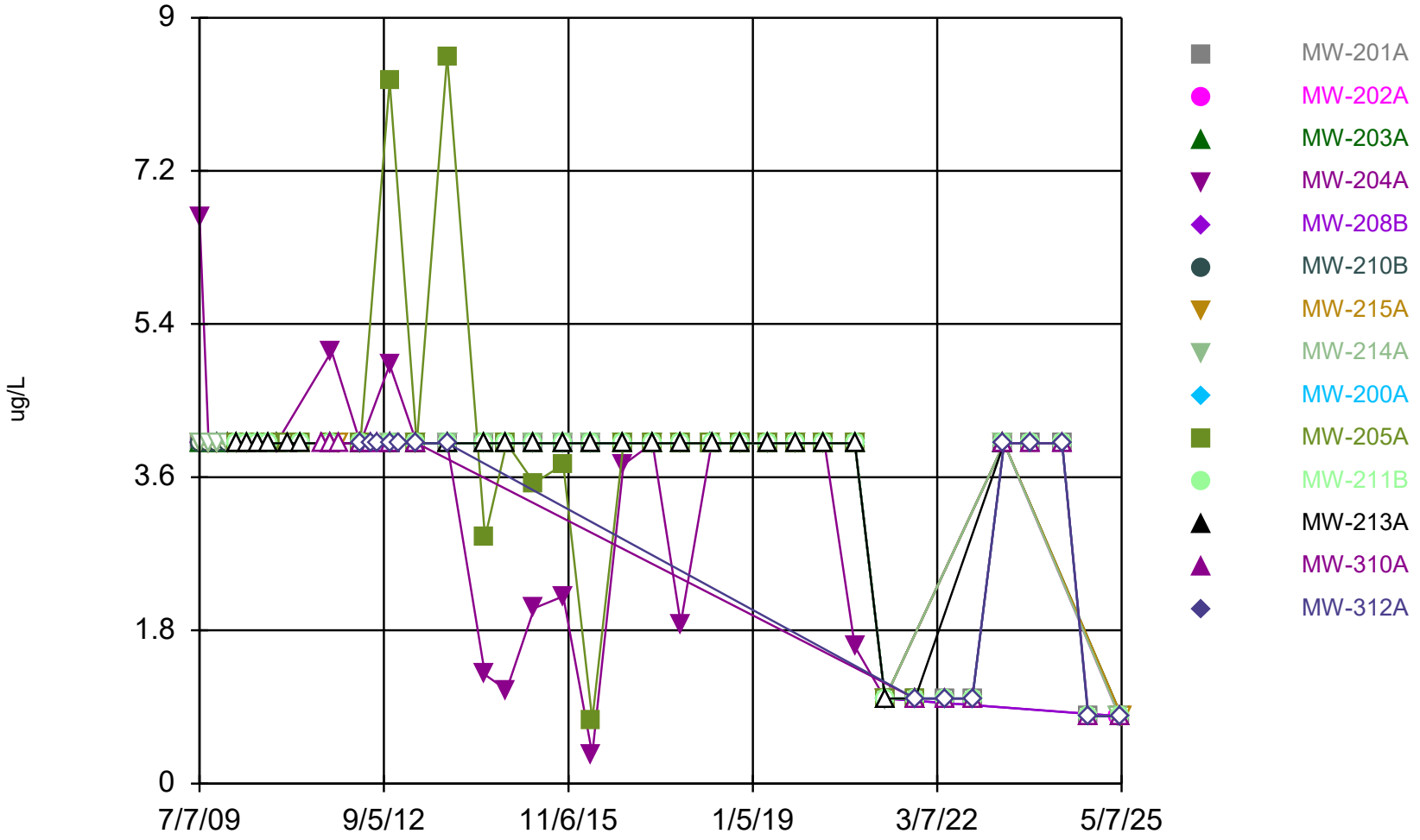


Constituent: Chloroethane Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Chloroethane Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
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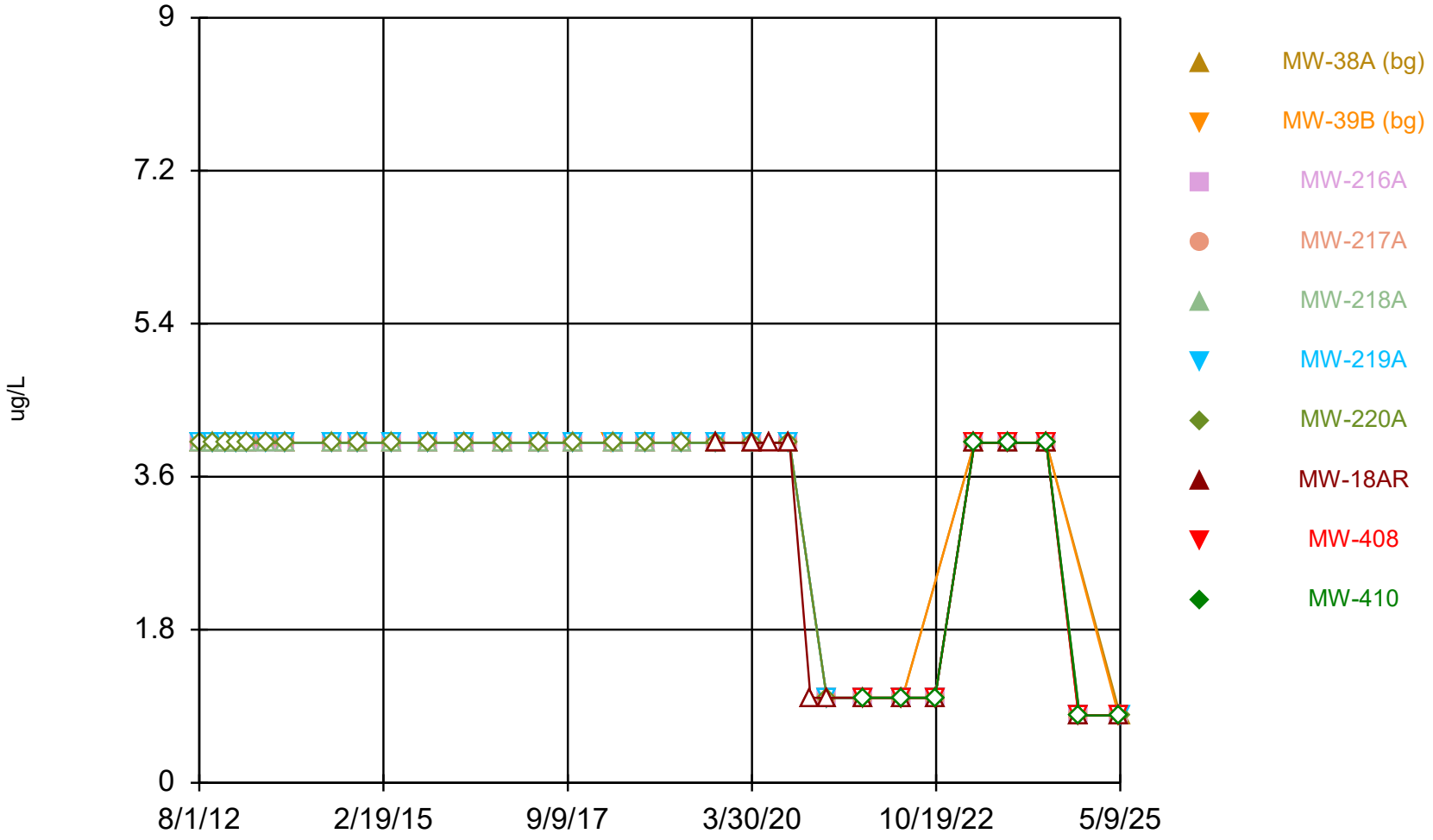

Constituent: Chloroethane Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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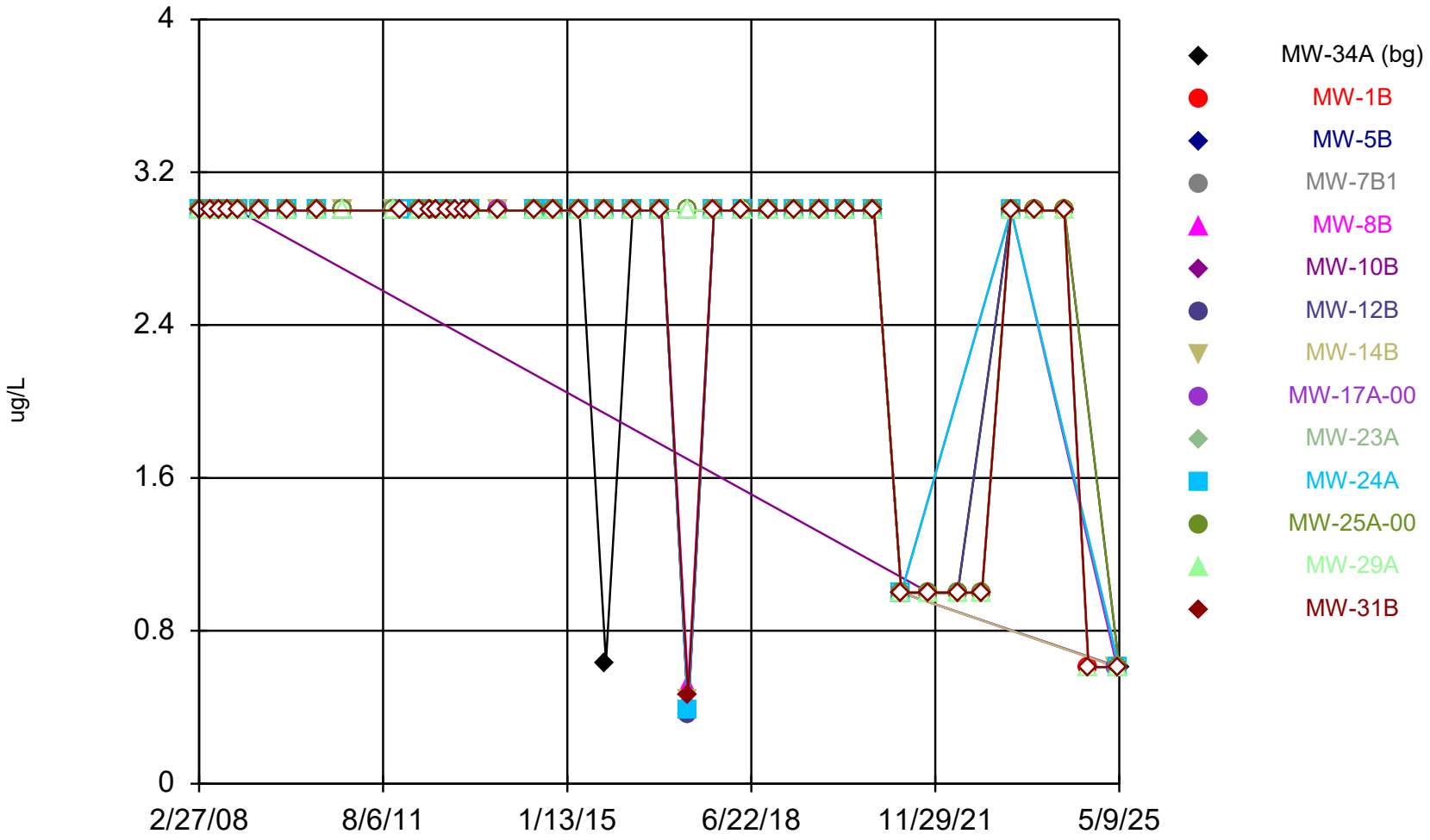
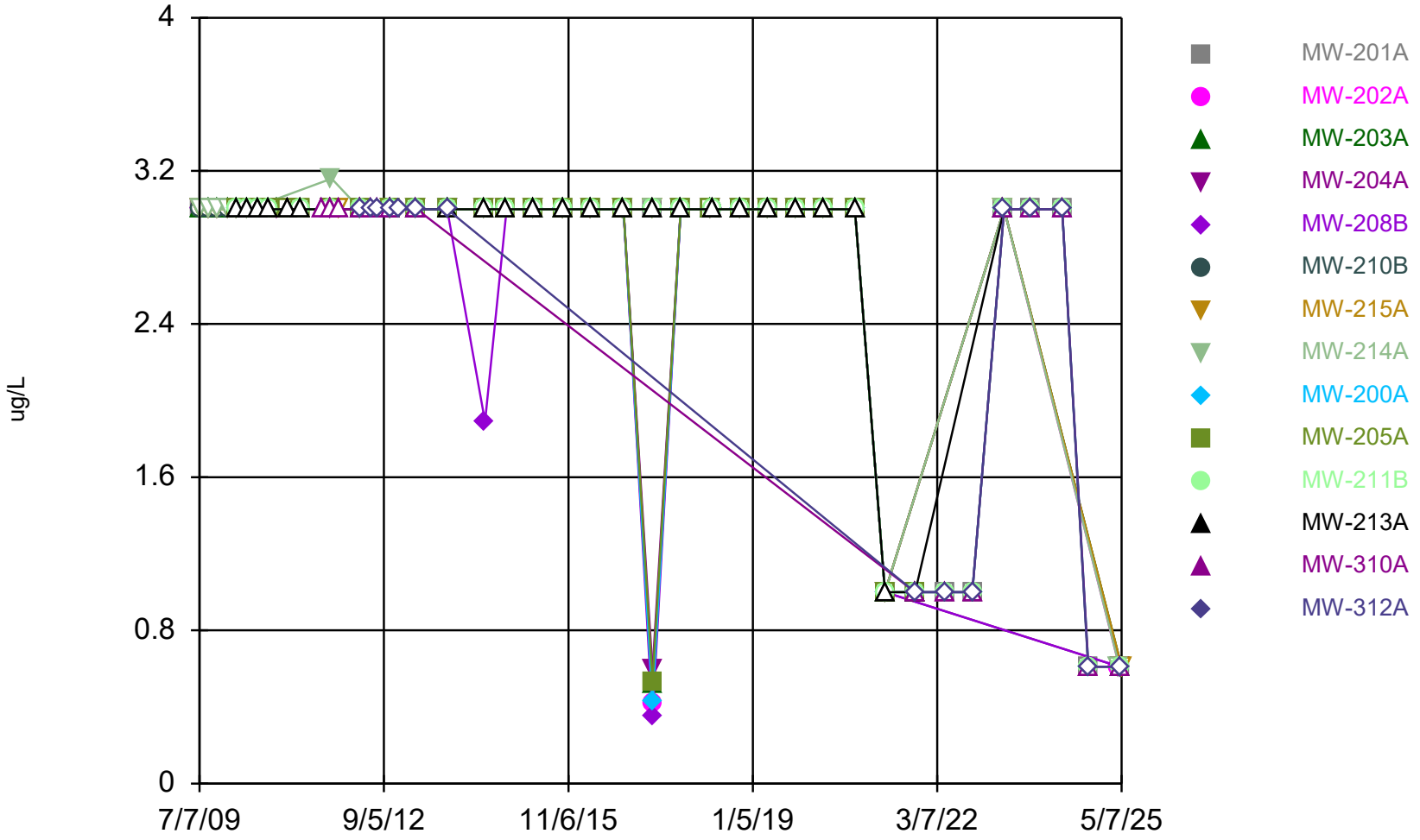


Constituent: Chloromethane Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

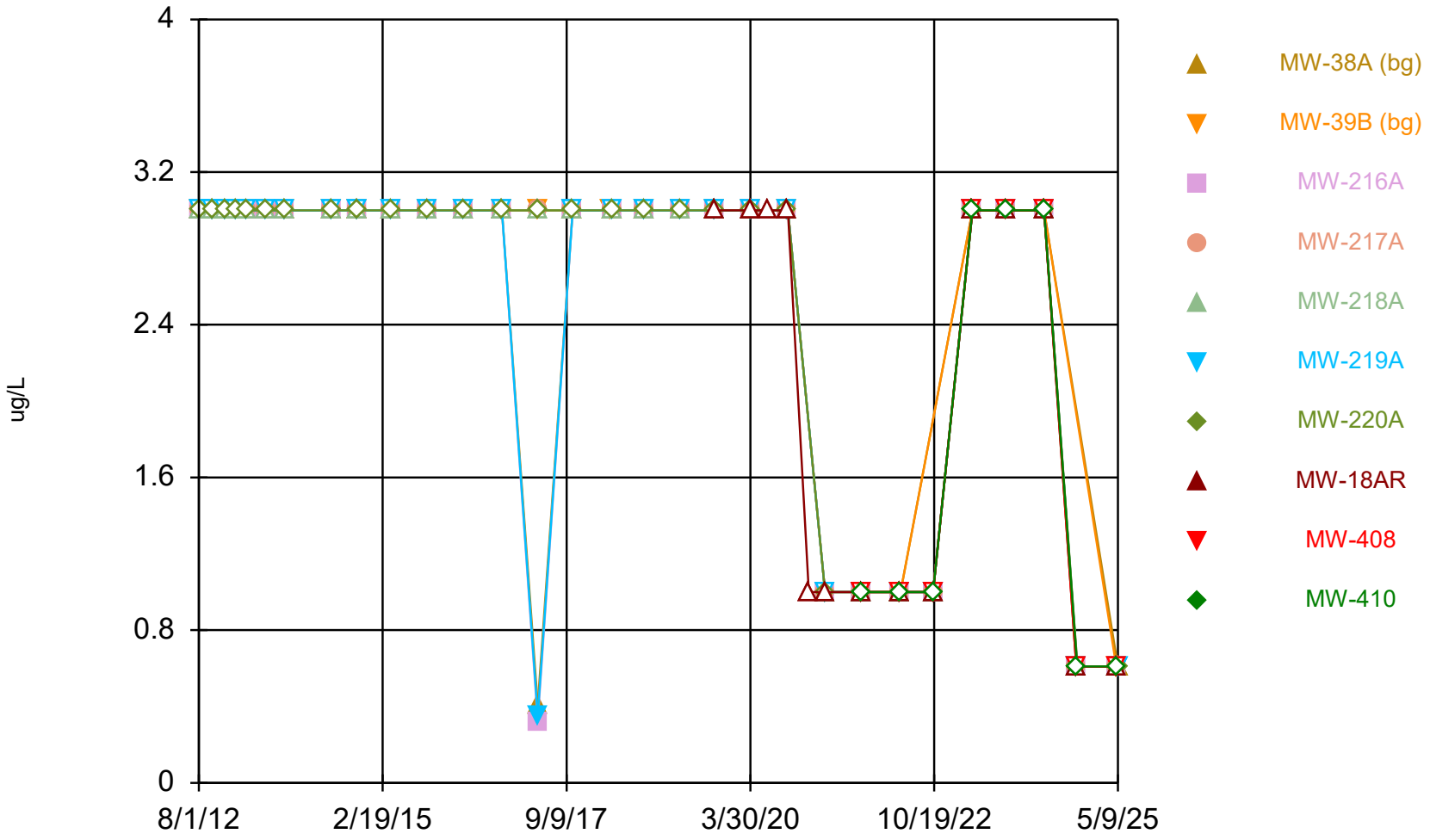


Constituent: Chloromethane Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Chloromethane Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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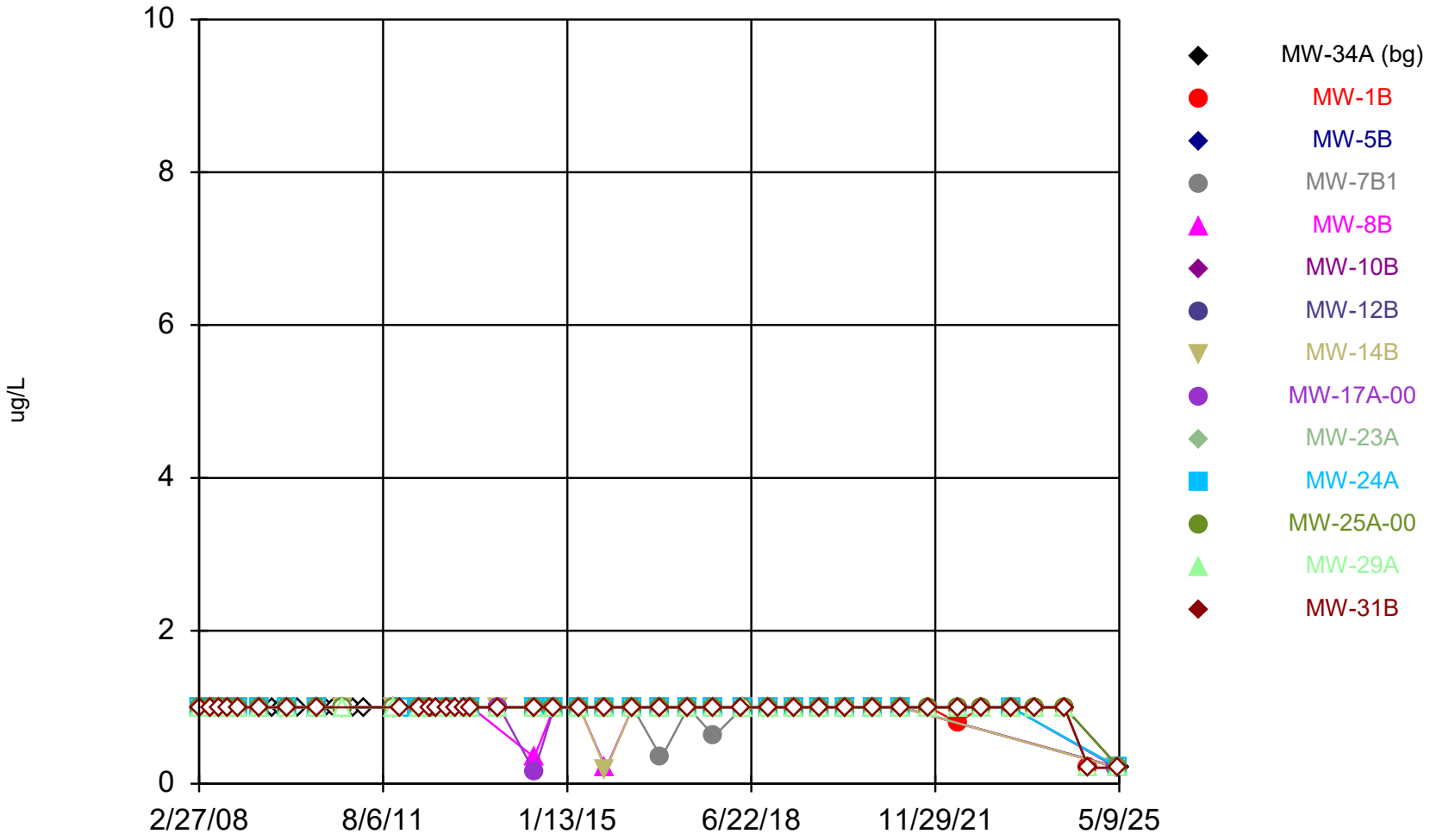
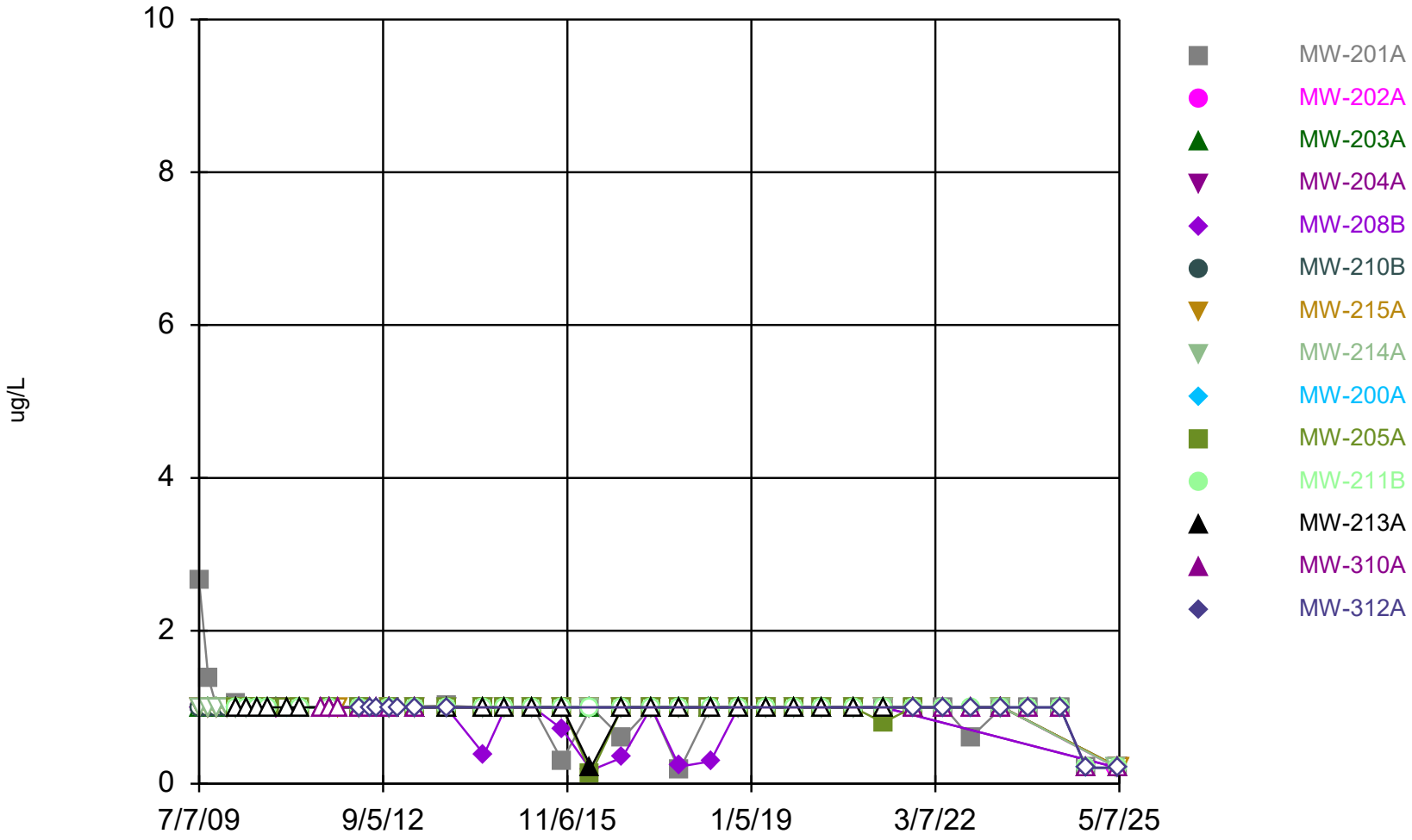


Constituent: cis-1,2-Dichloroethene Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

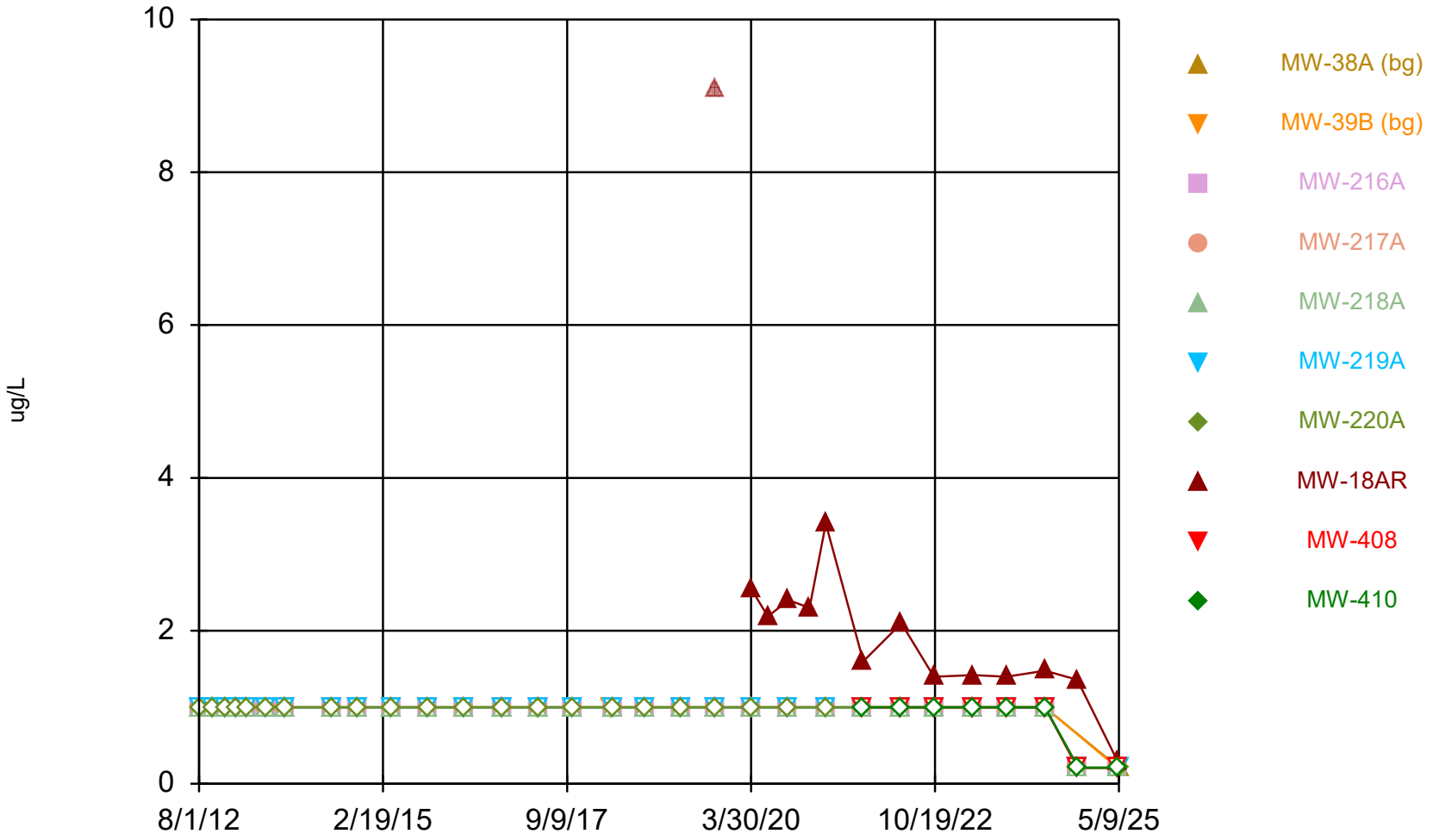


Constituent: cis-1,2-Dichloroethene Analysis Run 7/13/2025 11:41 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

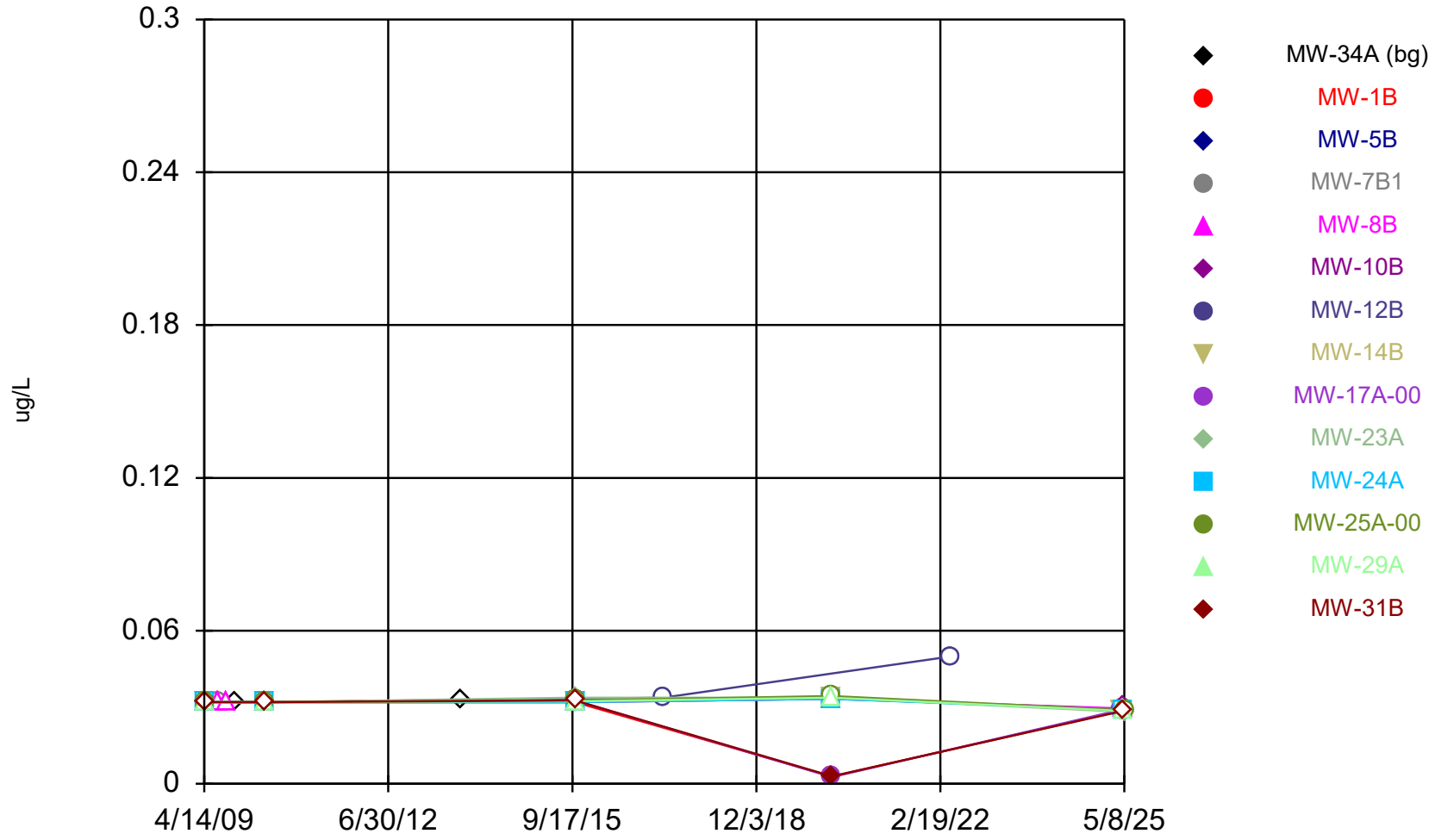


Constituent: cis-1,2-Dichloroethene Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

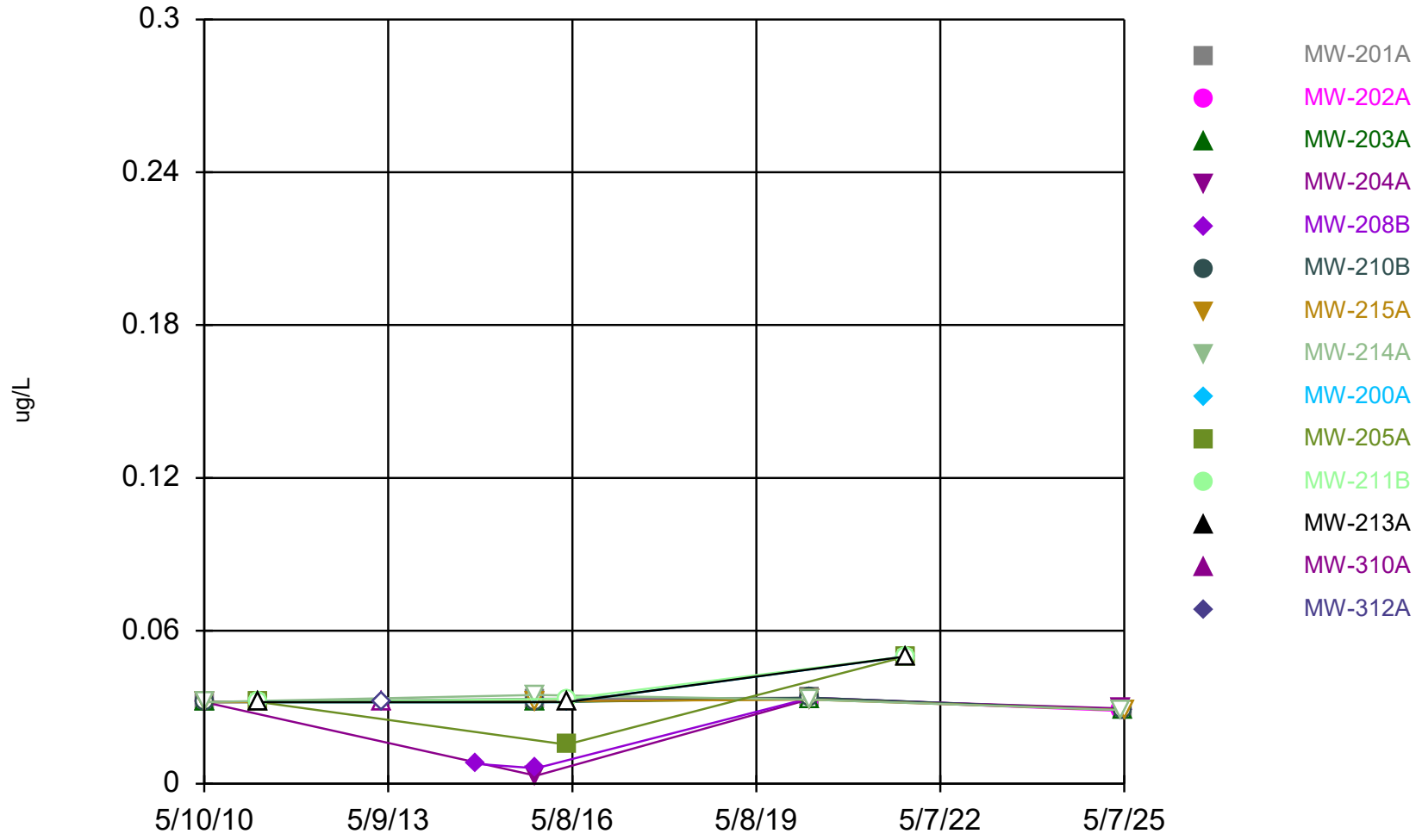


Constituent: Delta-BHC Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

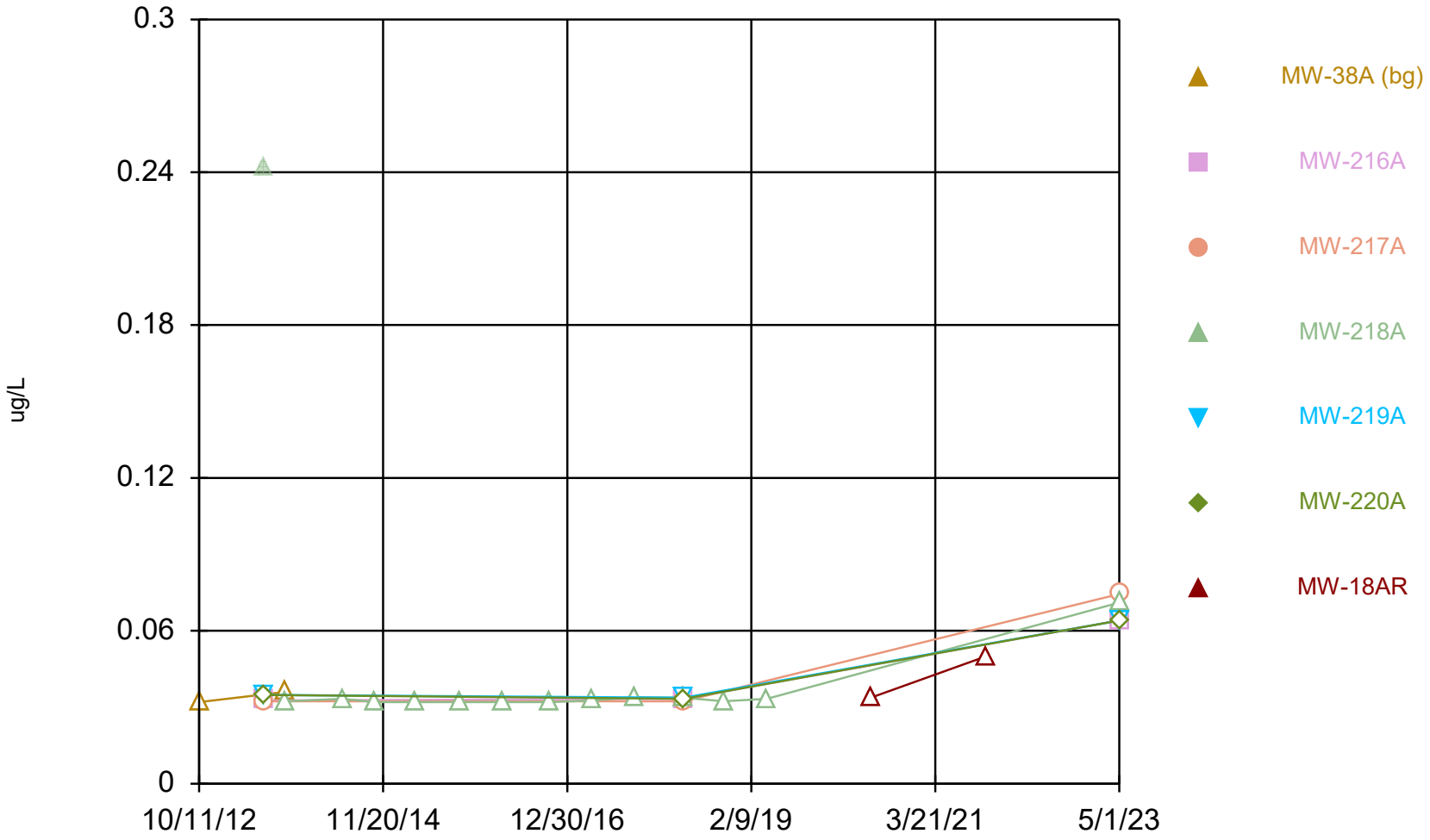


Constituent: Delta-BHC Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

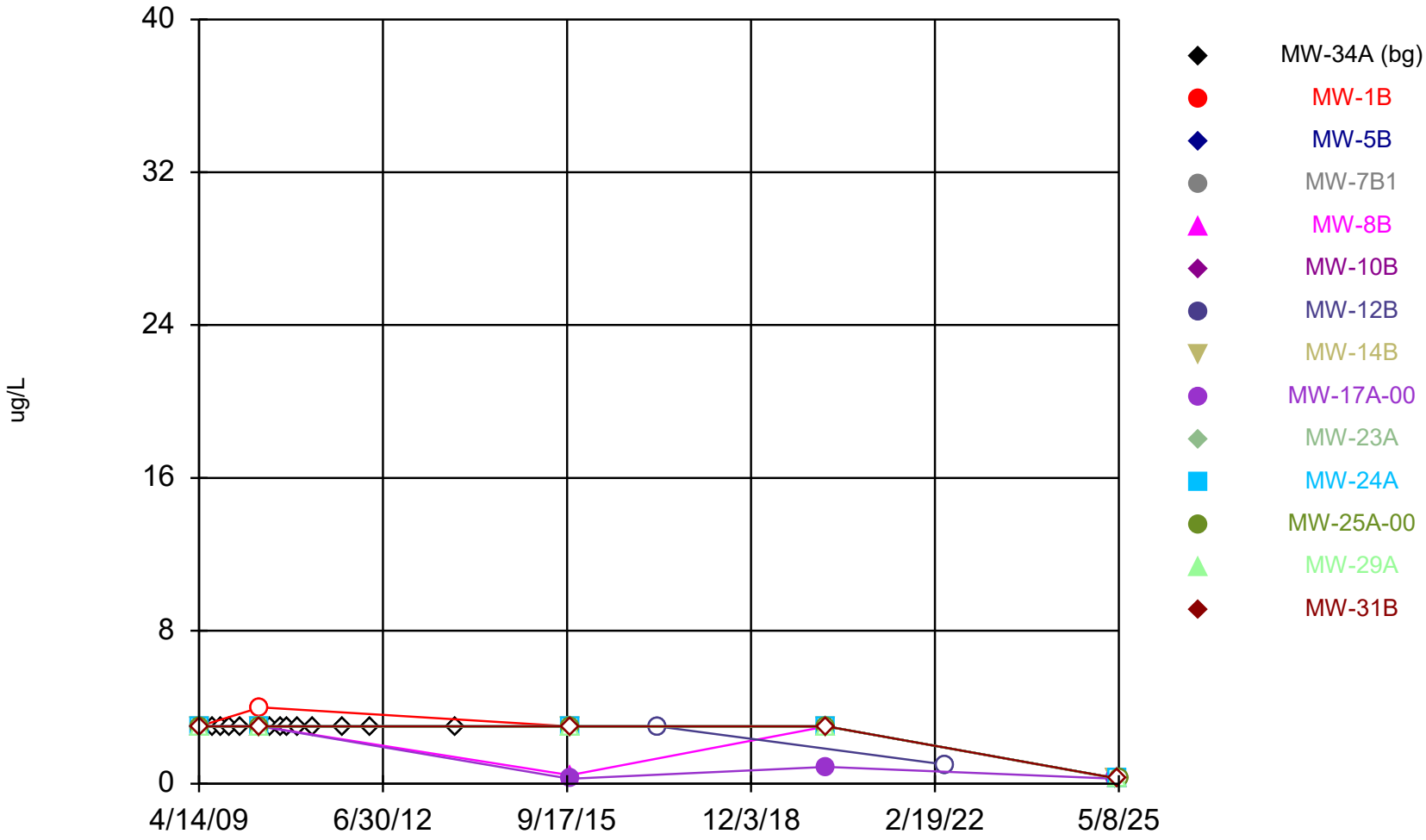


Constituent: Delta-BHC Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

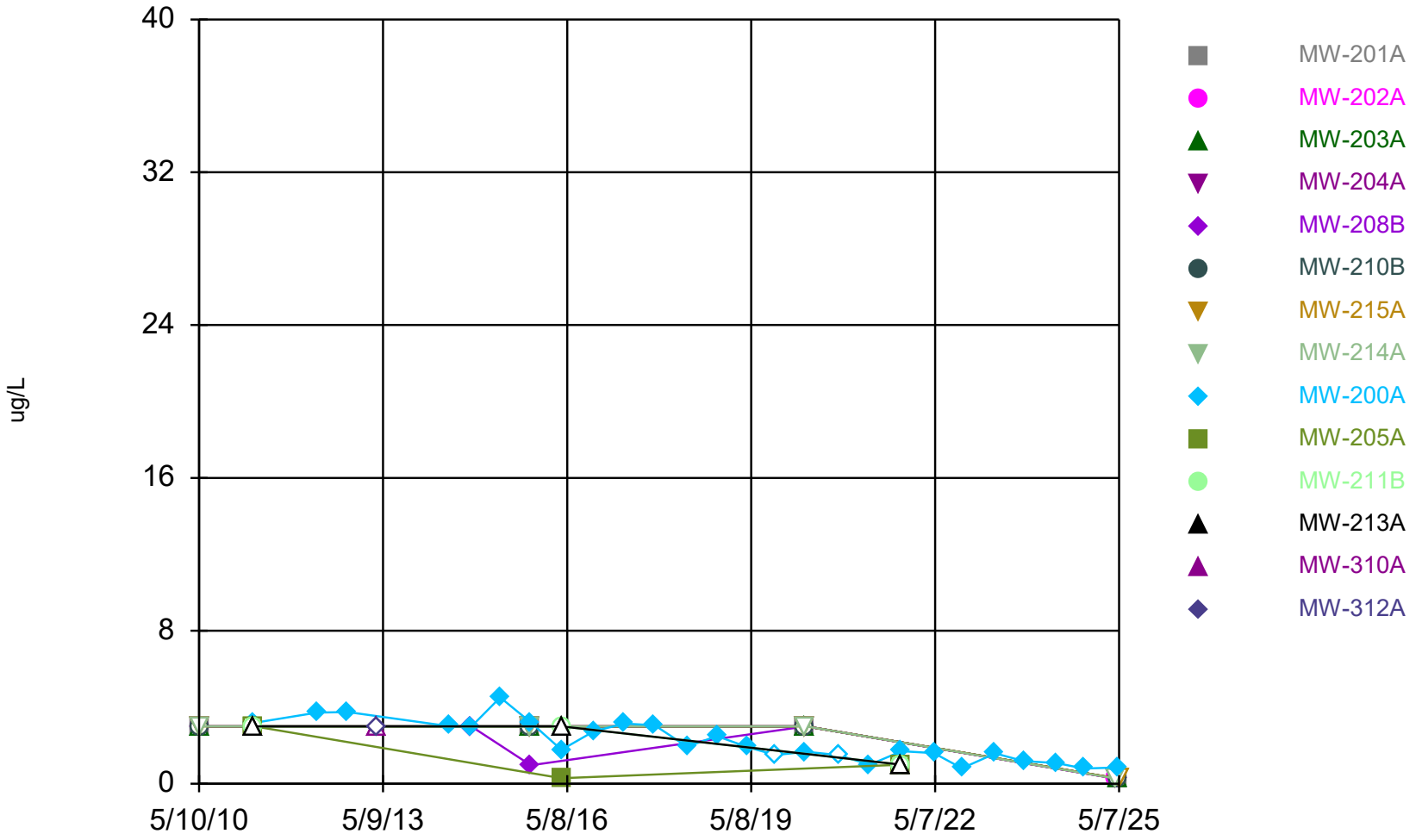


Constituent: Dichlorodifluoromethane Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

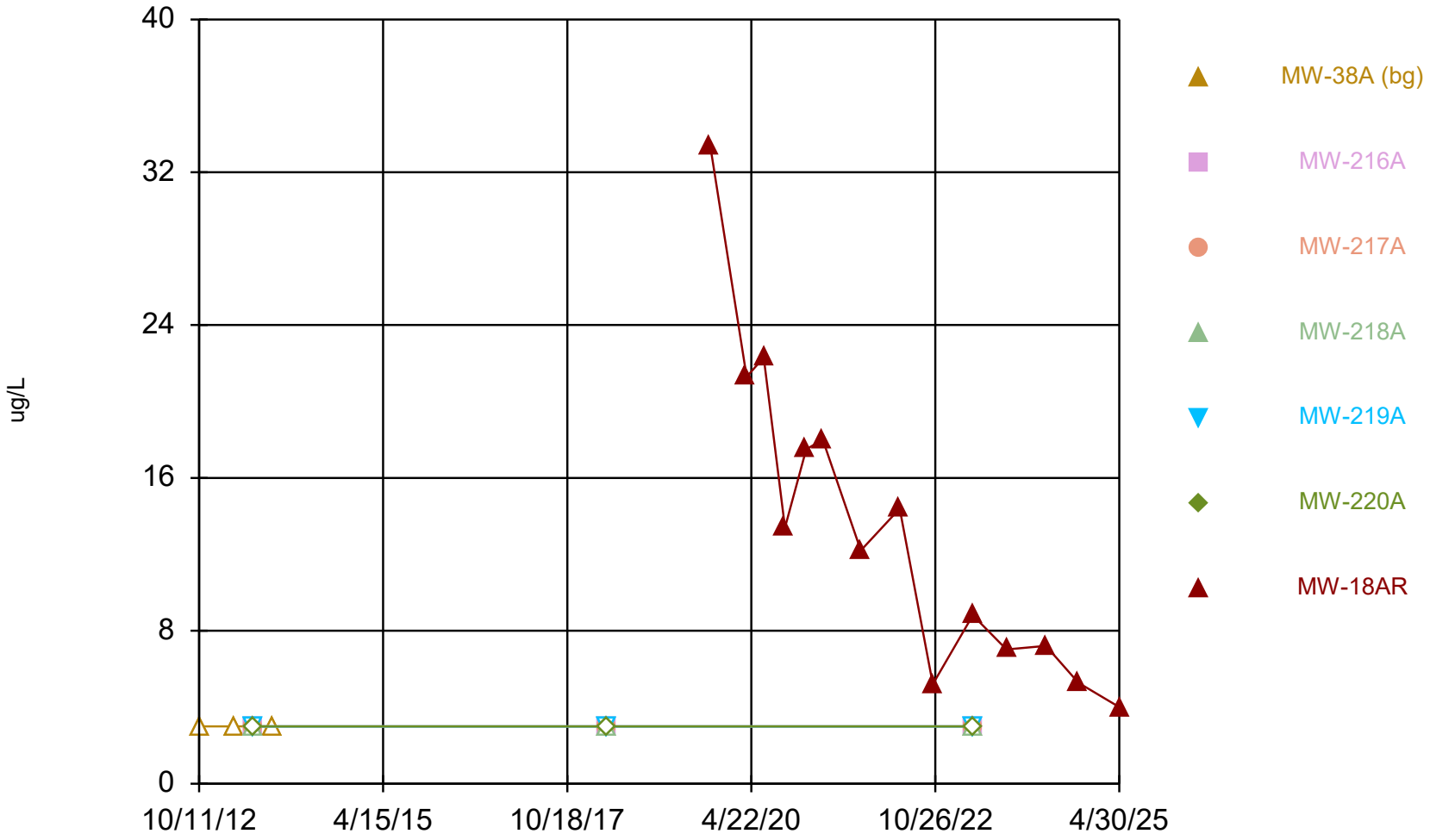


Constituent: Dichlorodifluoromethane Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

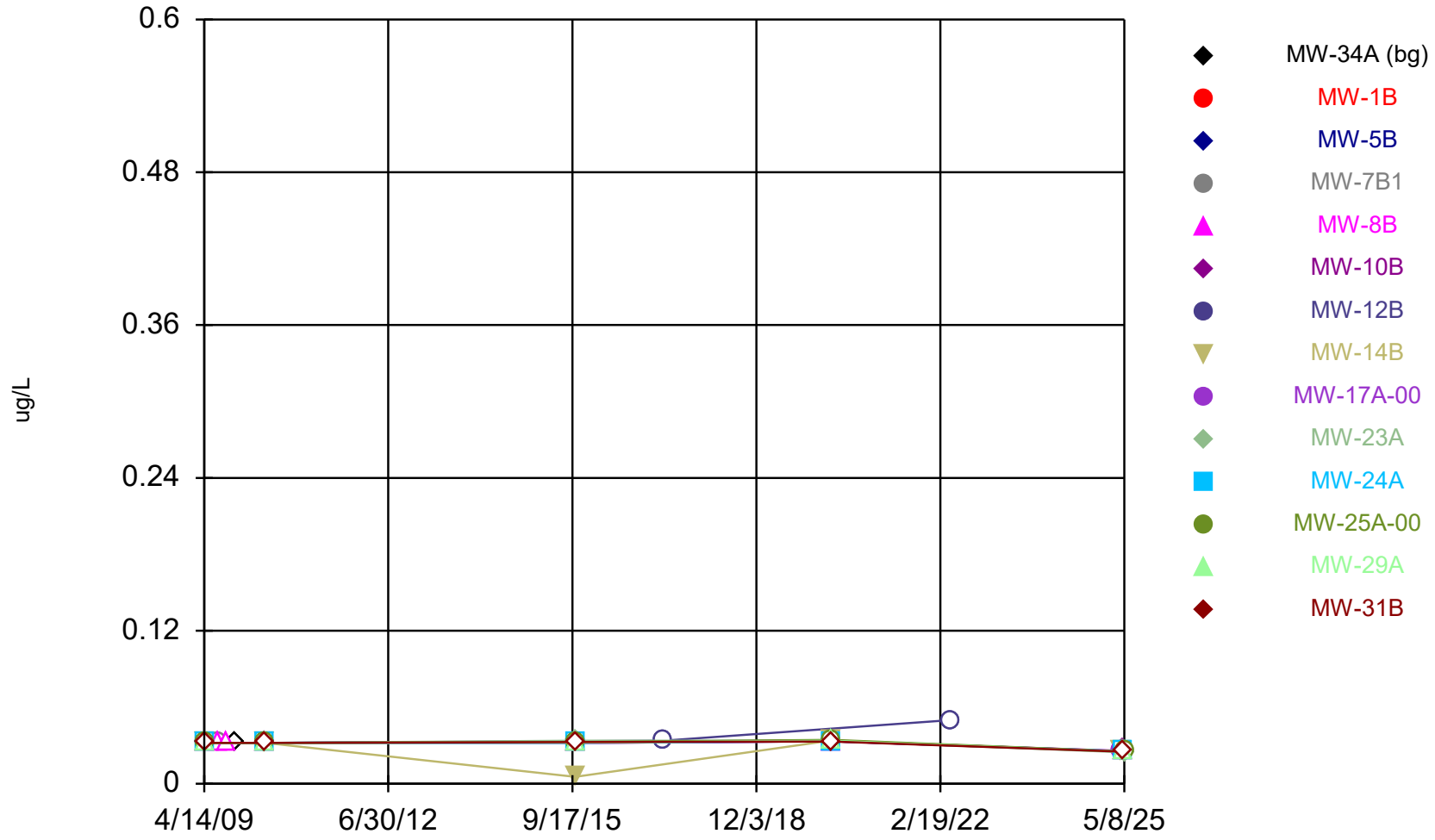


Constituent: Dichlorodifluoromethane Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

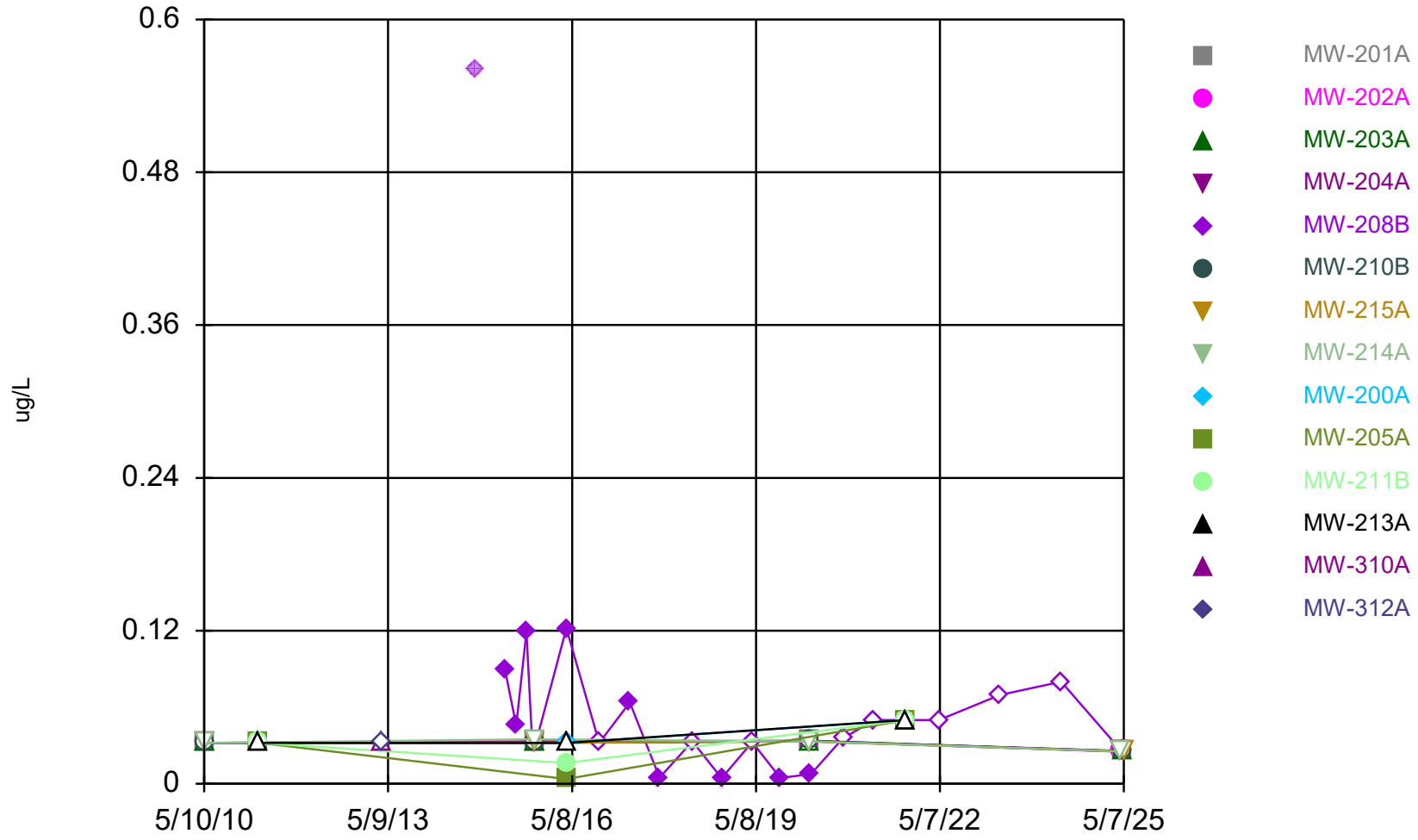


Constituent: Endrin Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

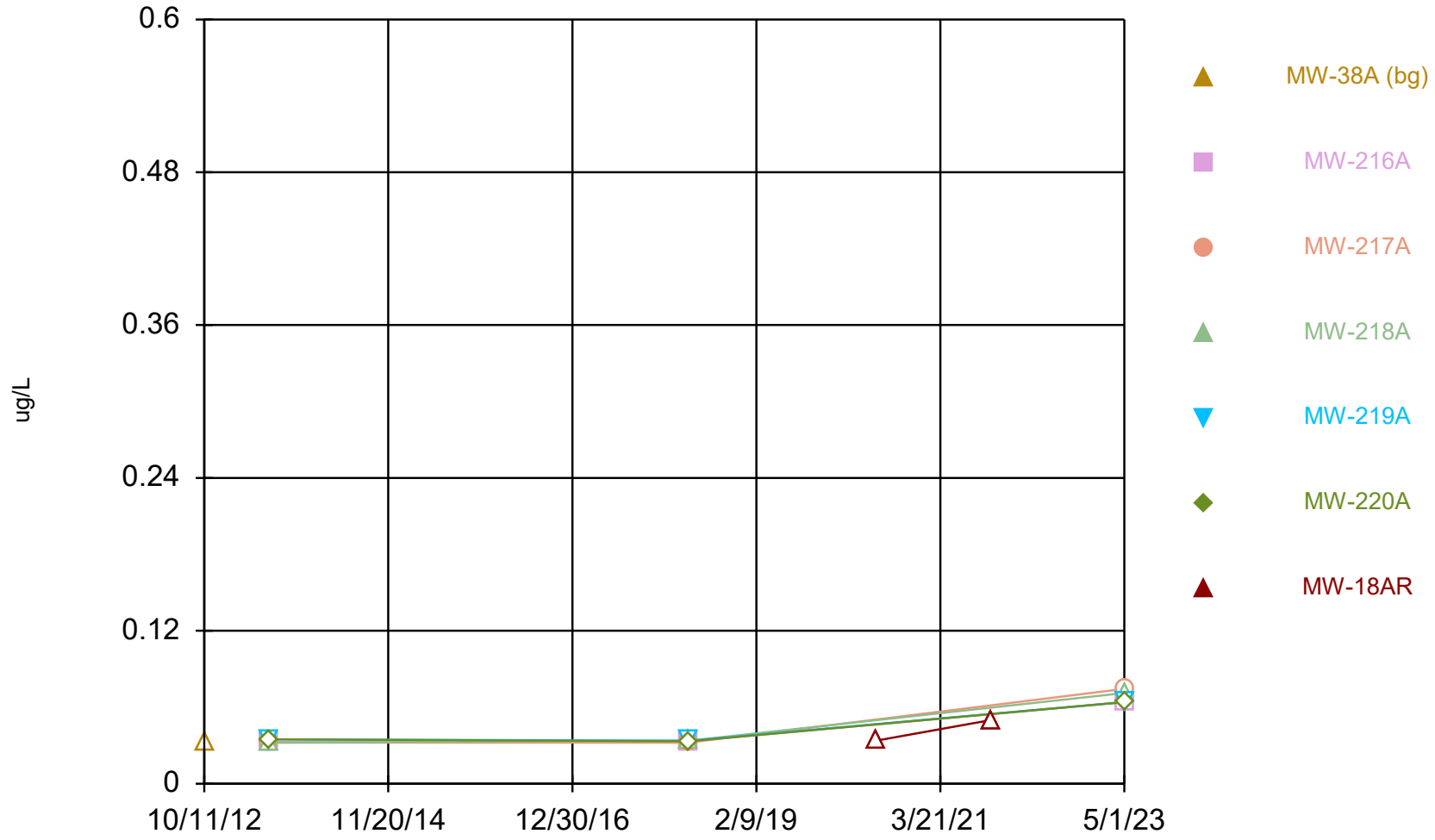


Constituent: Endrin Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

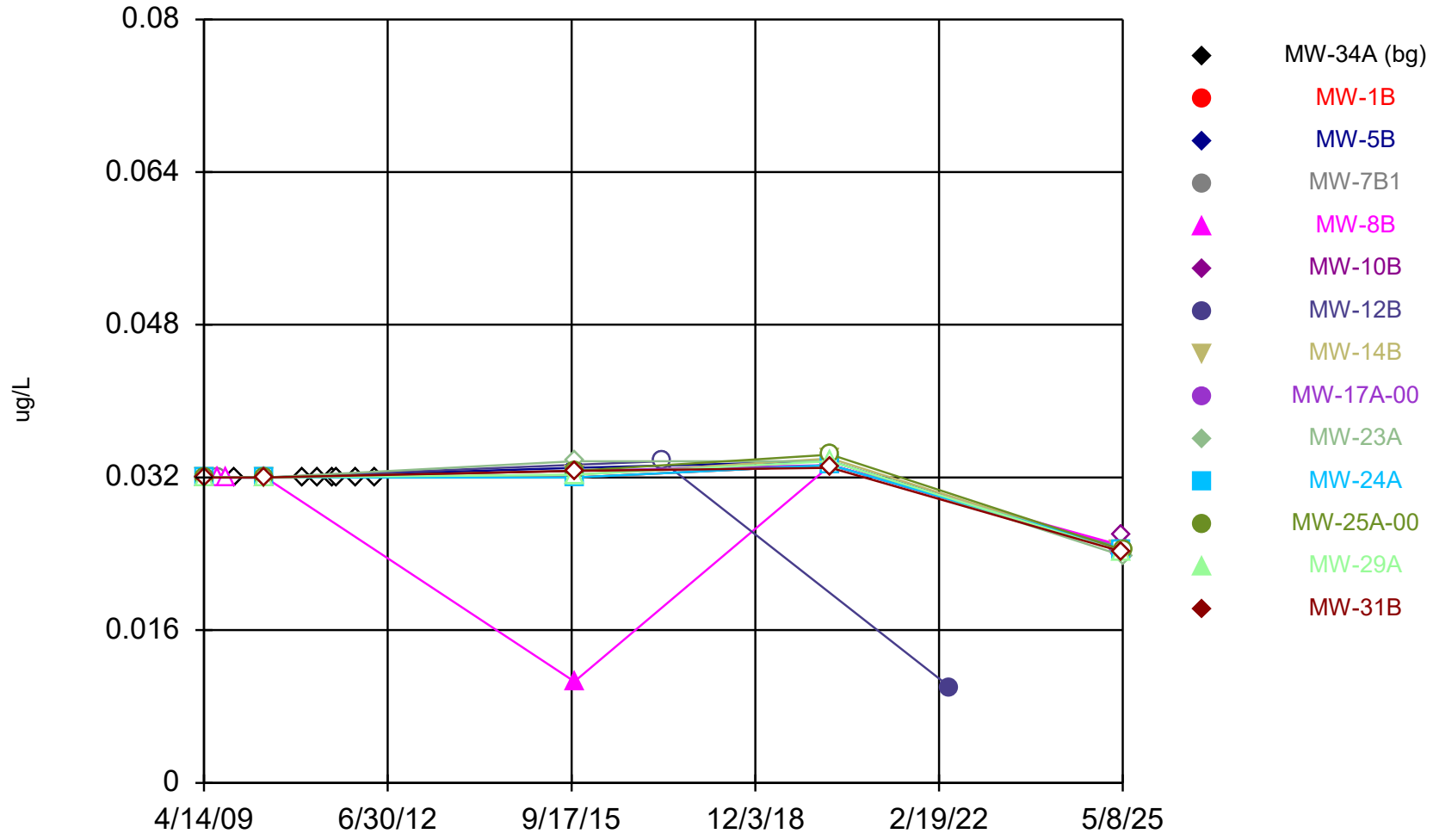


Constituent: Endrin Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

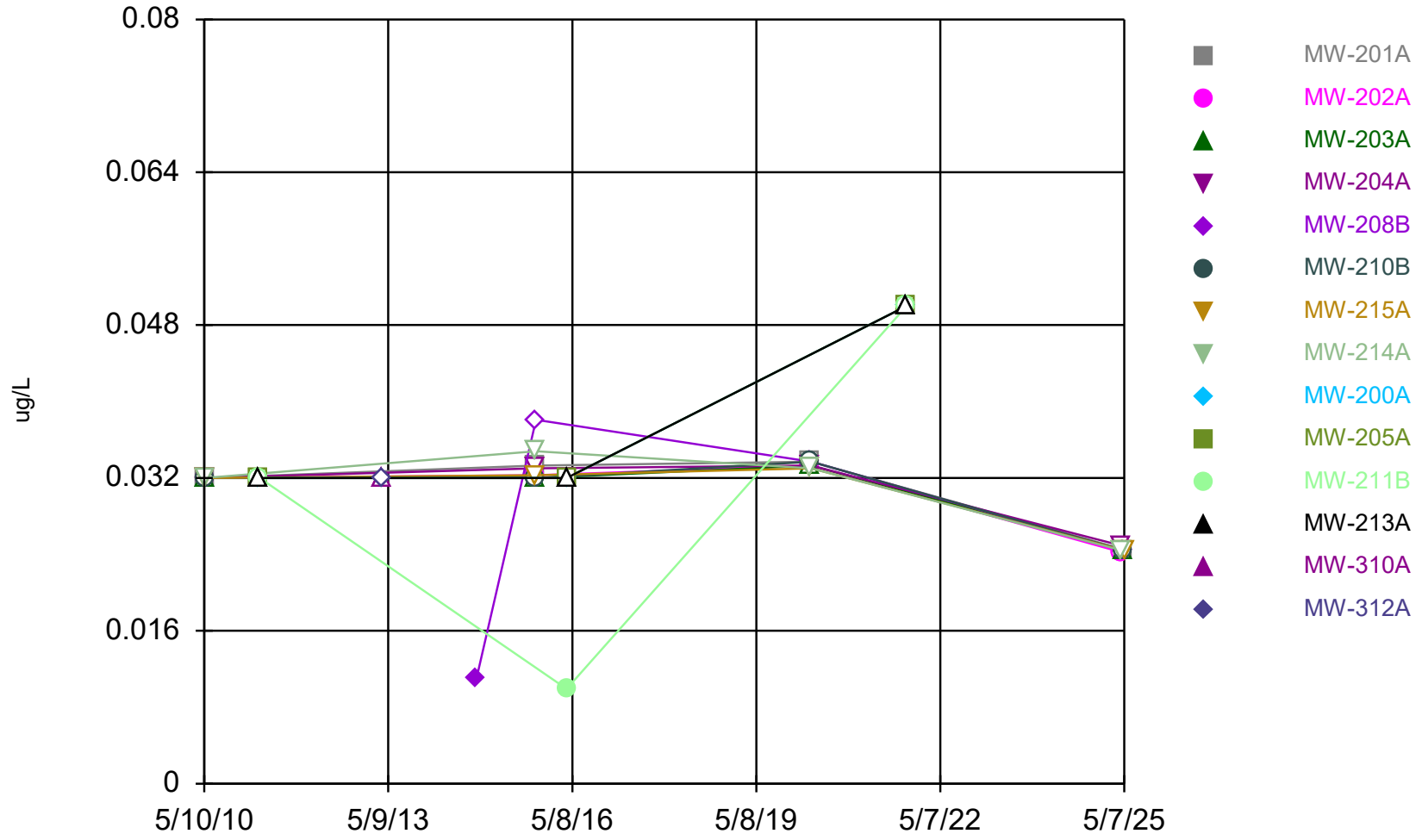


Constituent: Endrin aldehyde Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

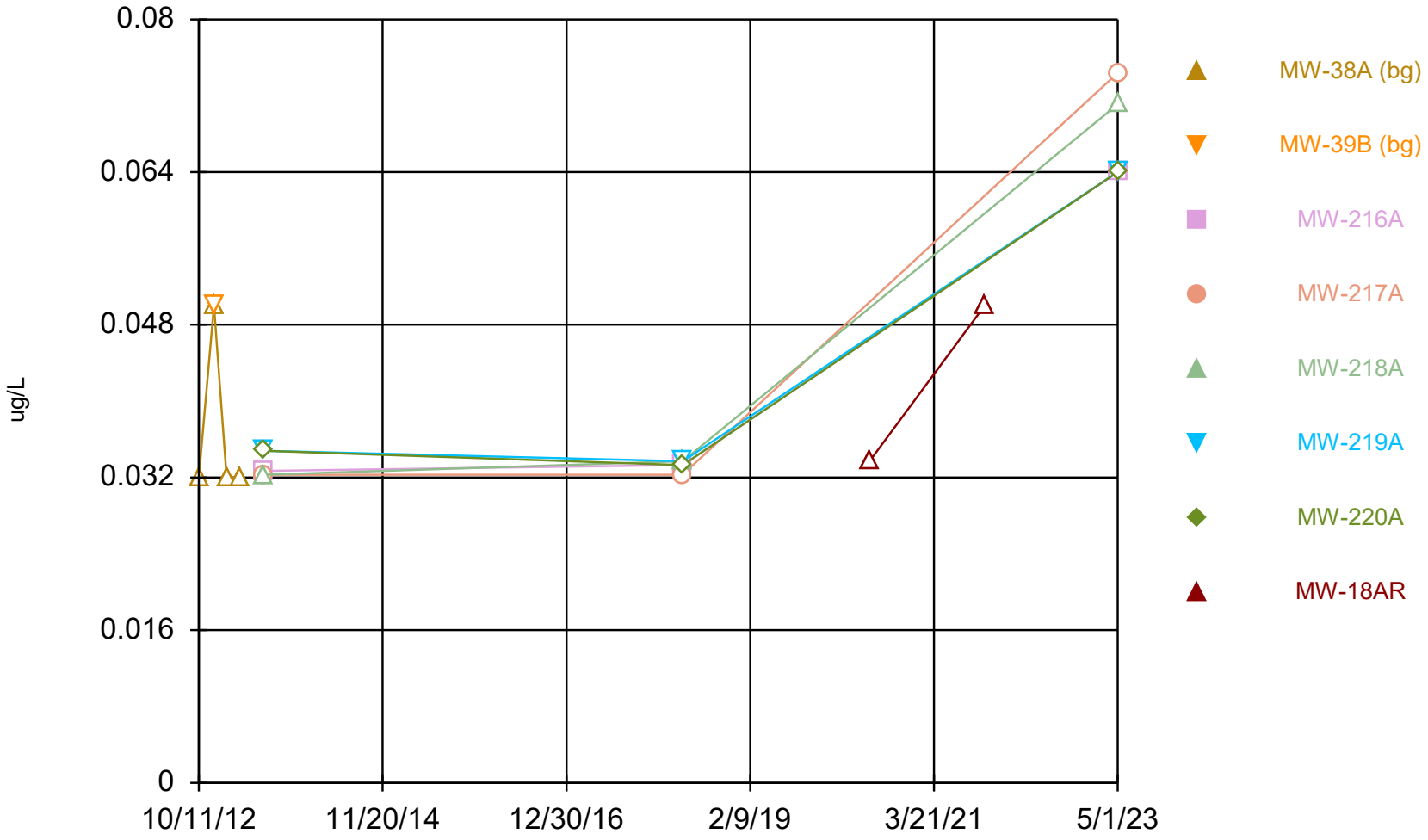


Constituent: Endrin aldehyde Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

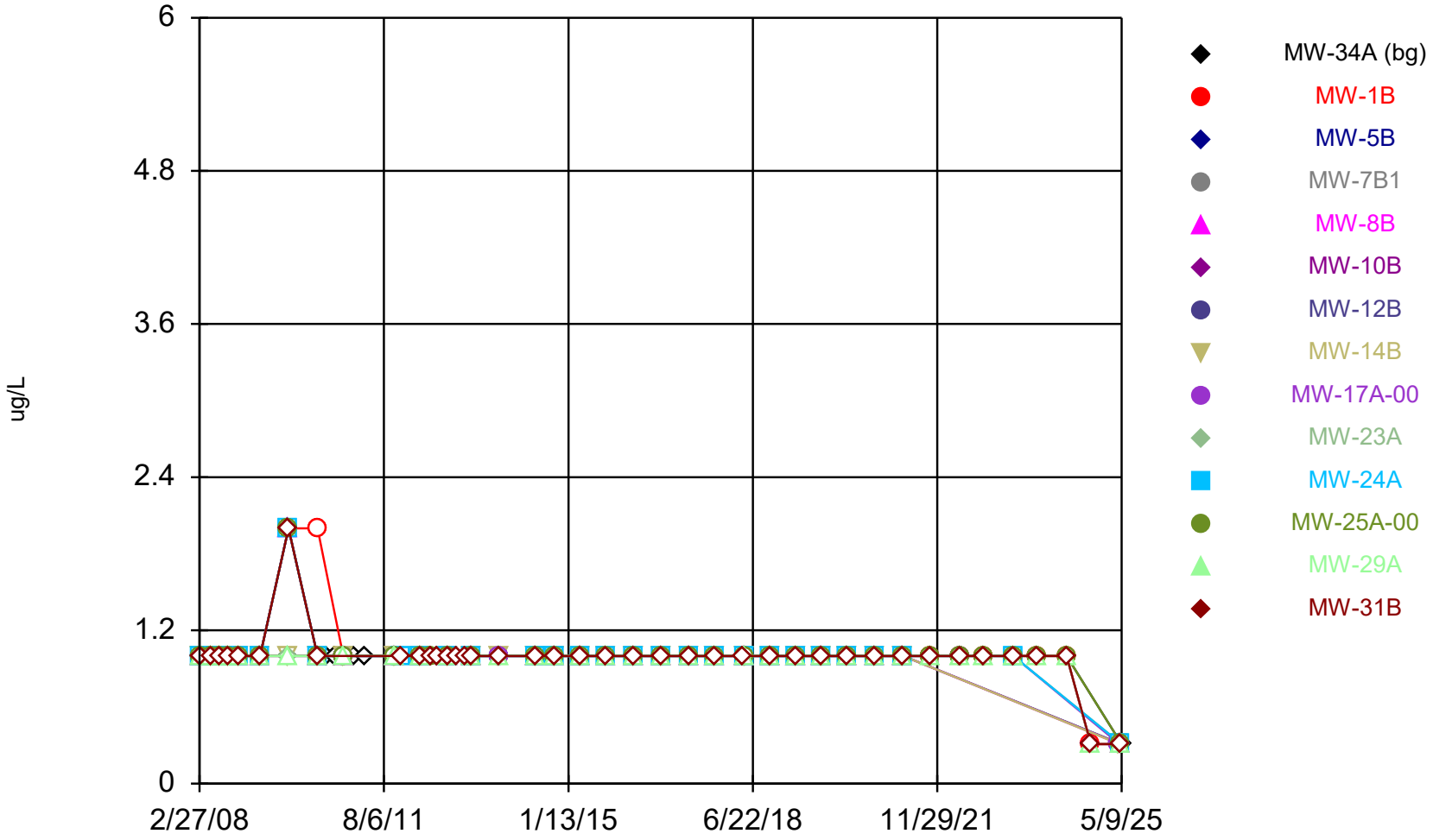


Constituent: Endrin aldehyde Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

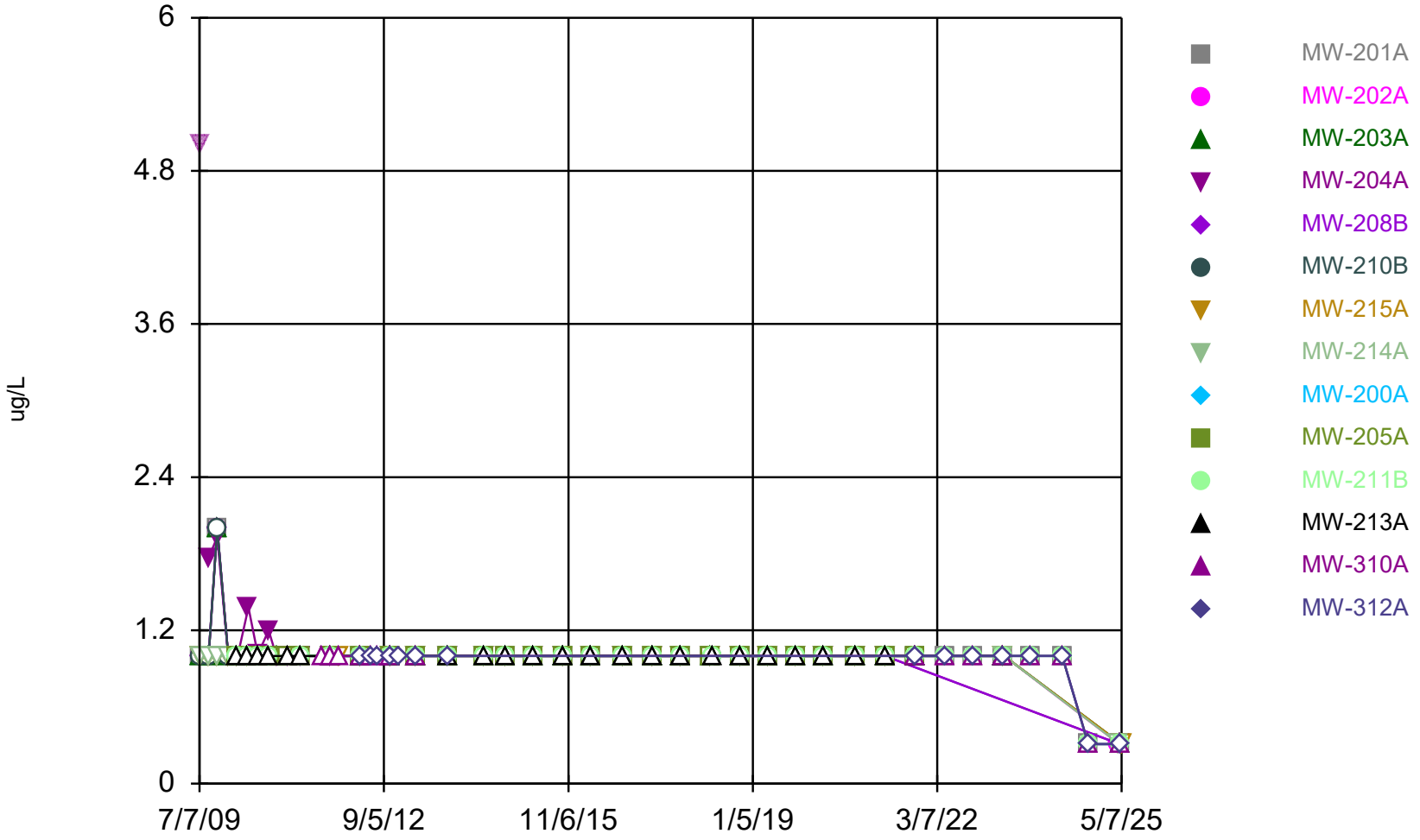


Constituent: Ethylbenzene Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

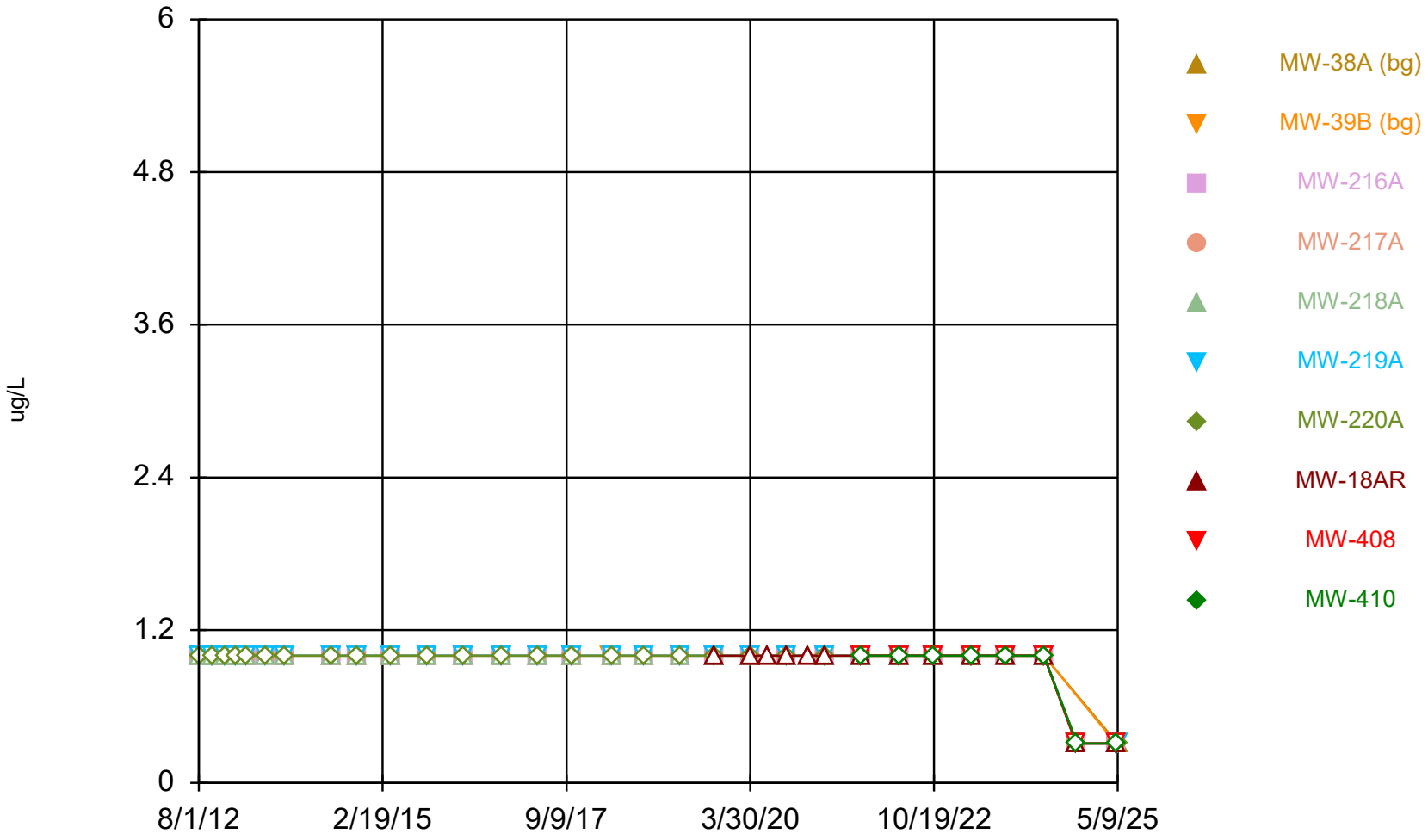


Constituent: Ethylbenzene Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Ethylbenzene Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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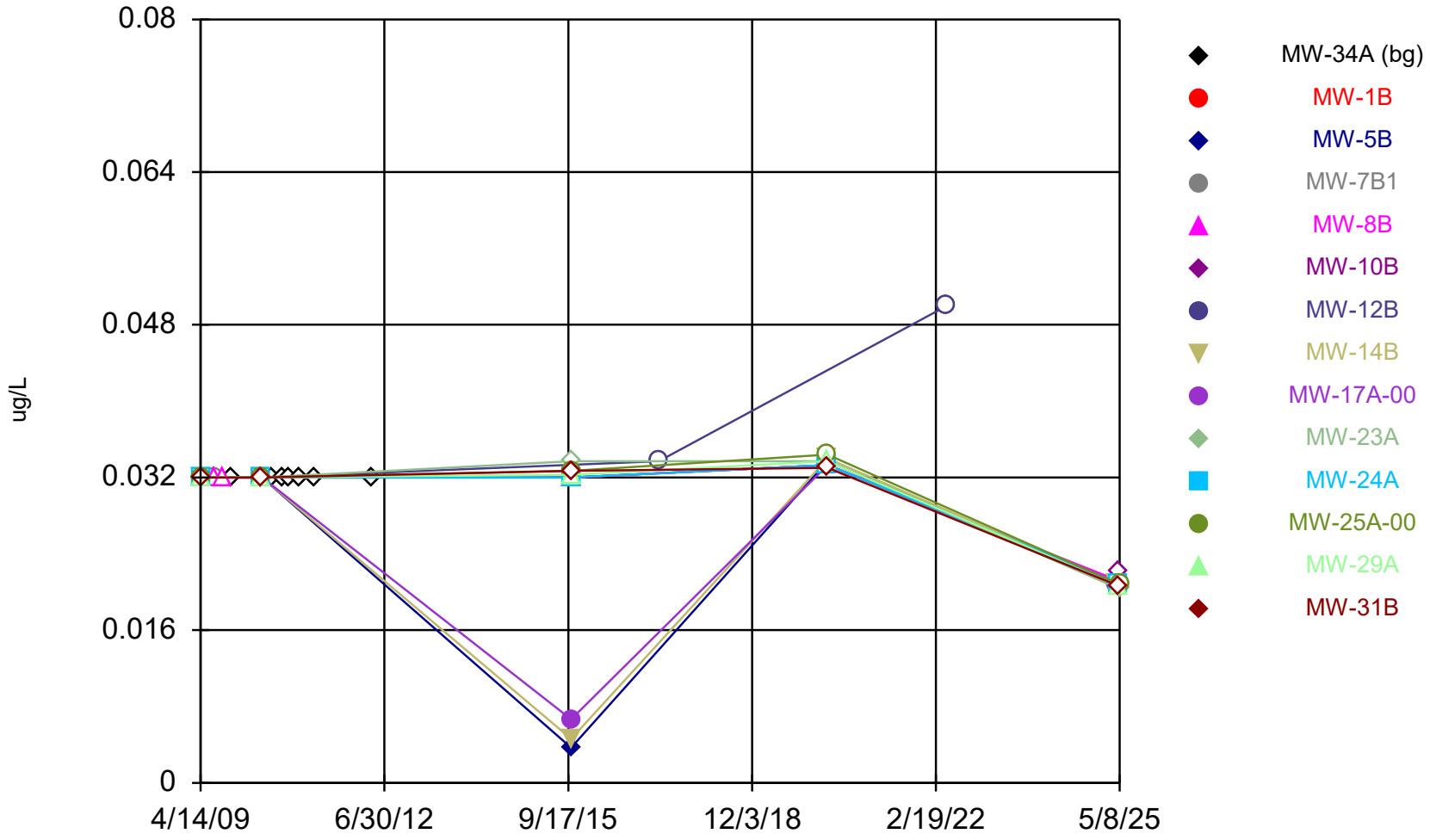
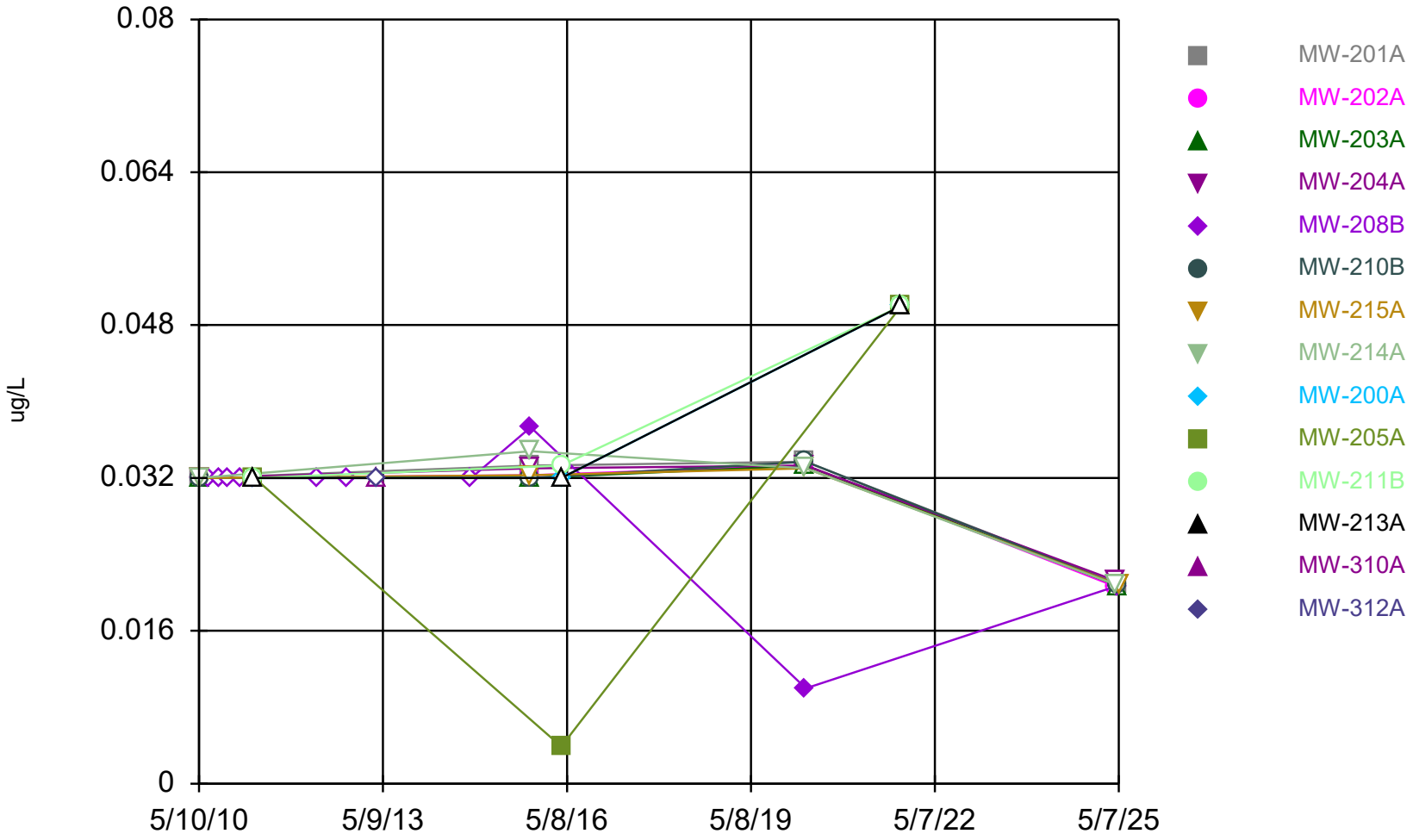


Constituent: Heptachlor Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

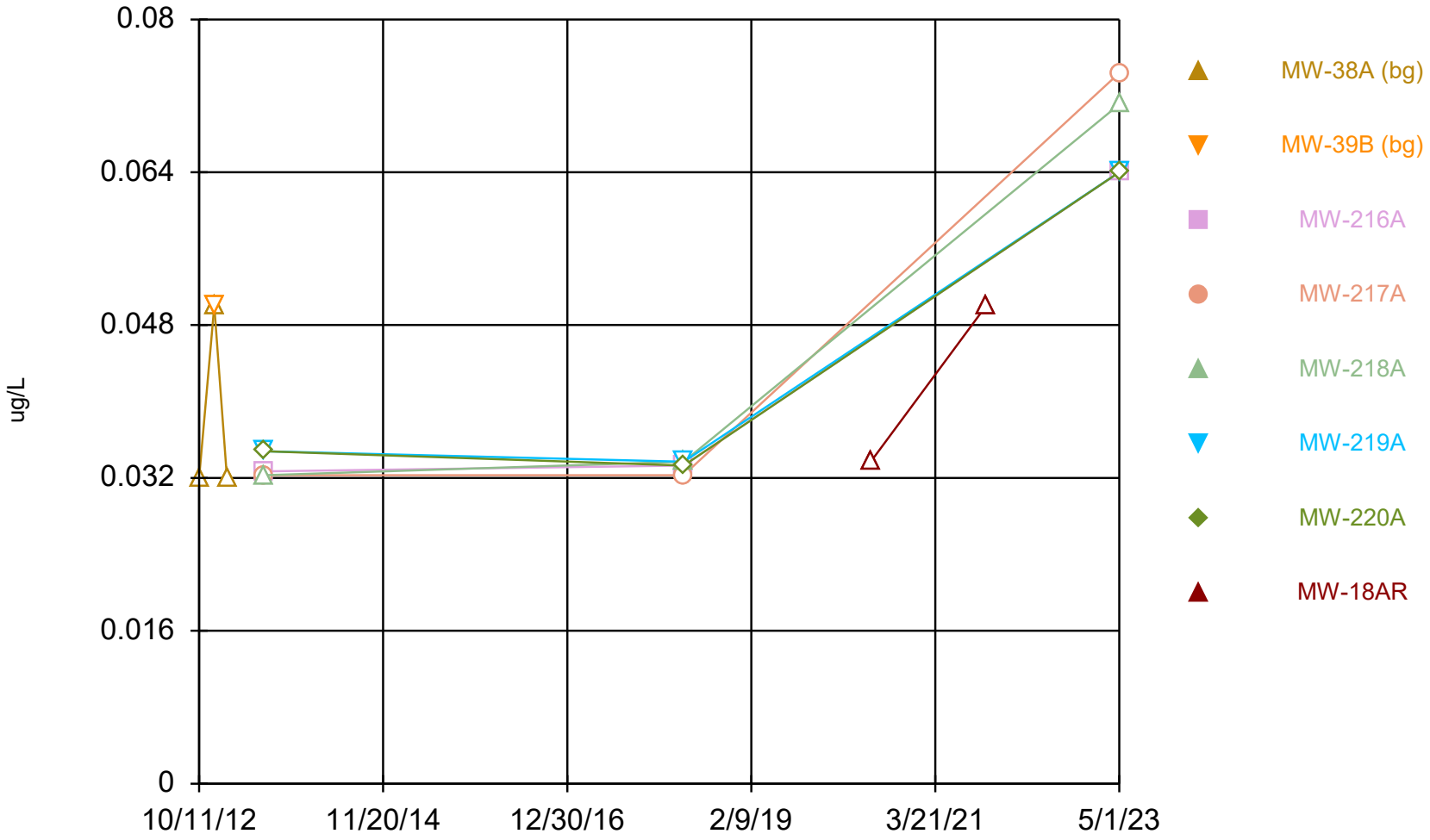


Constituent: Heptachlor Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Heptachlor Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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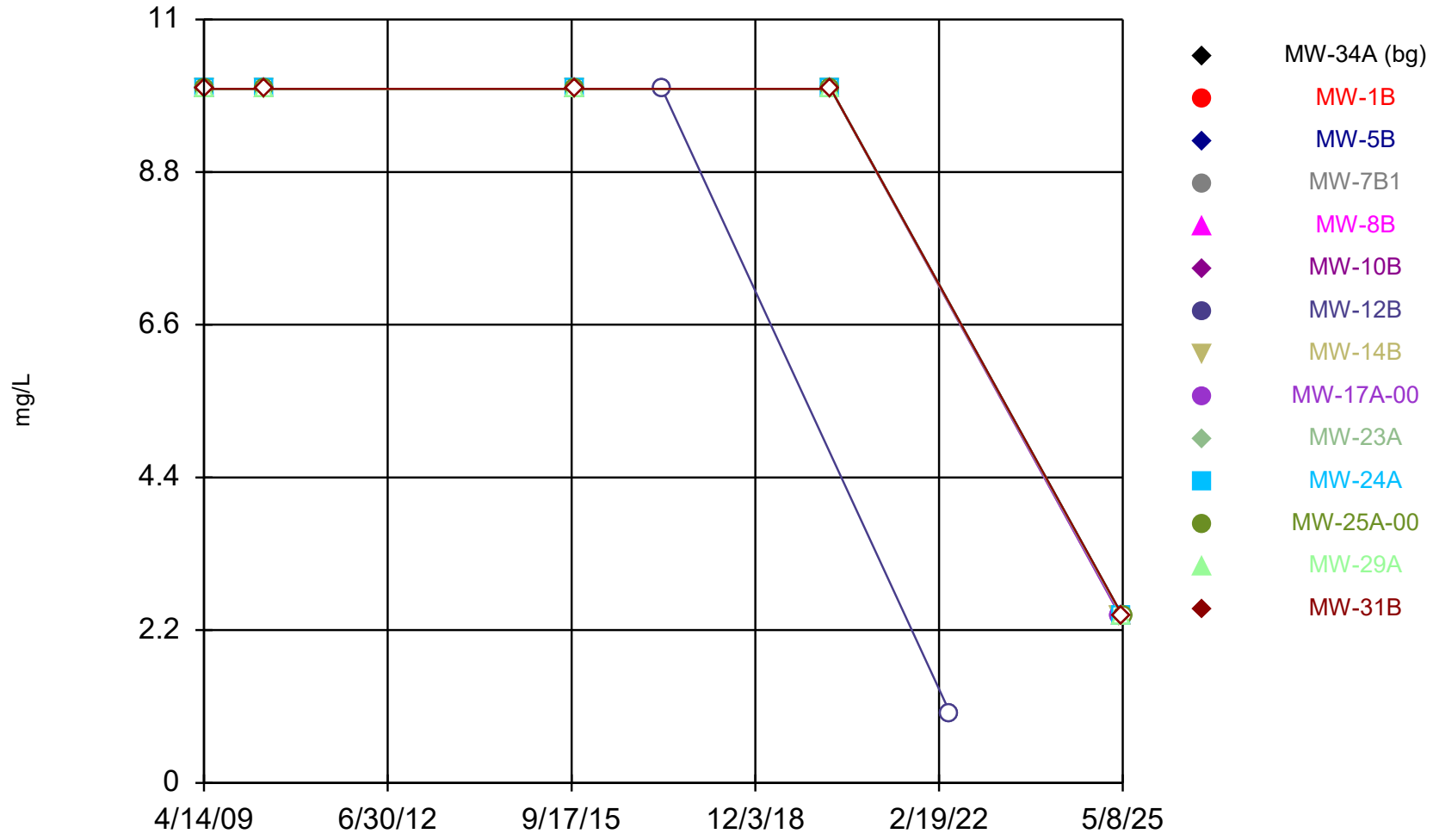
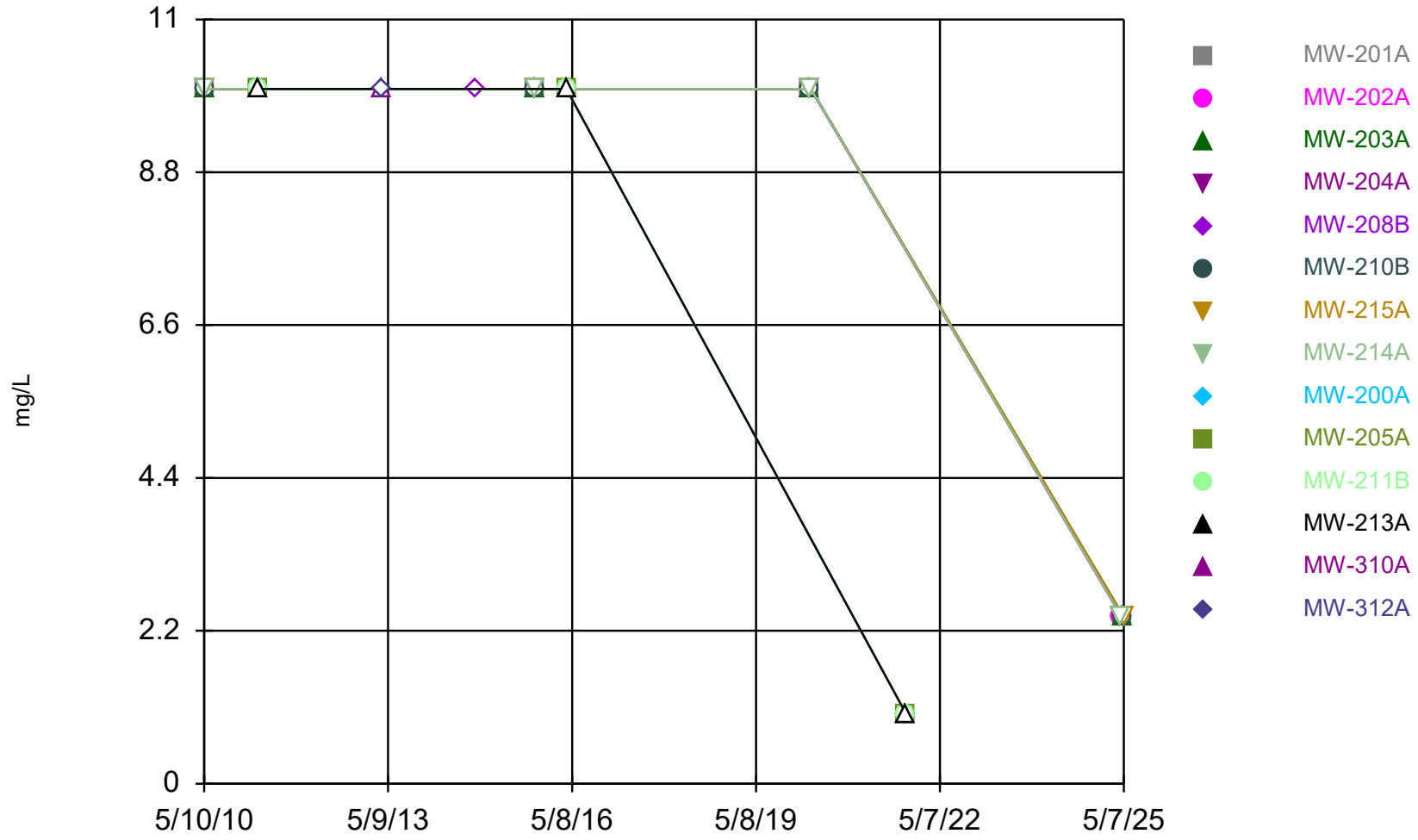


Constituent: Isobutanol Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Isobutanol Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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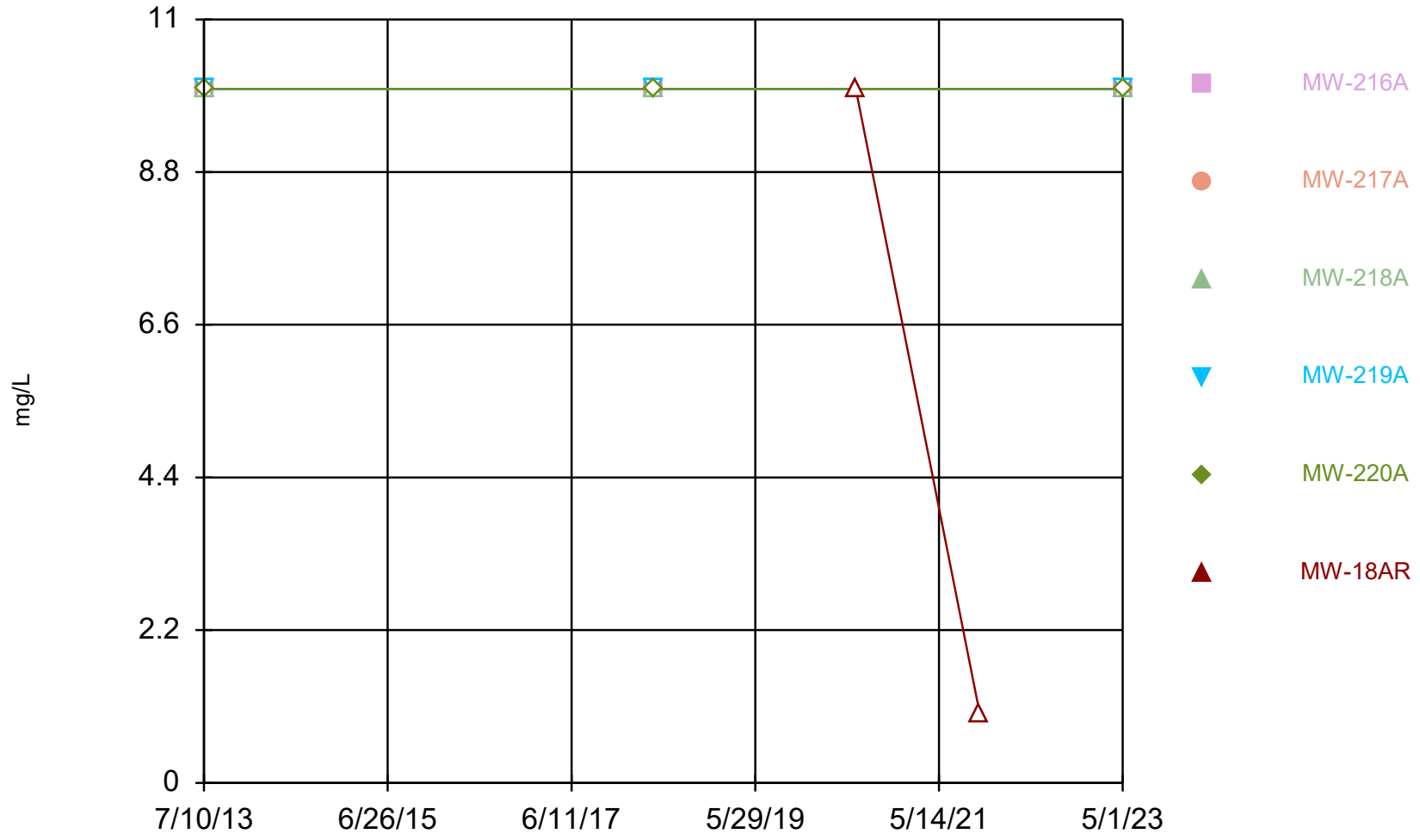

Constituent: Isobutanol Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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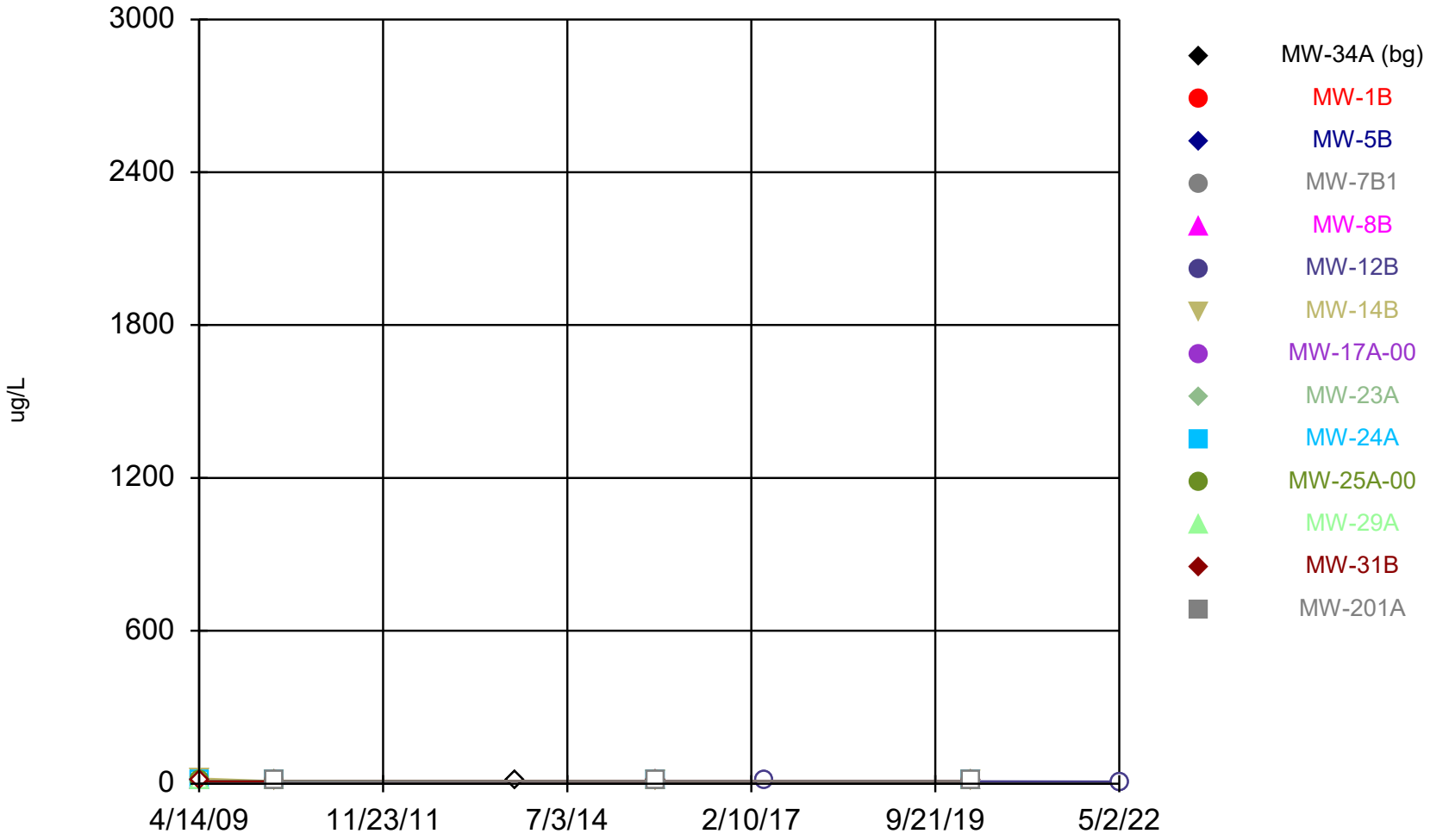
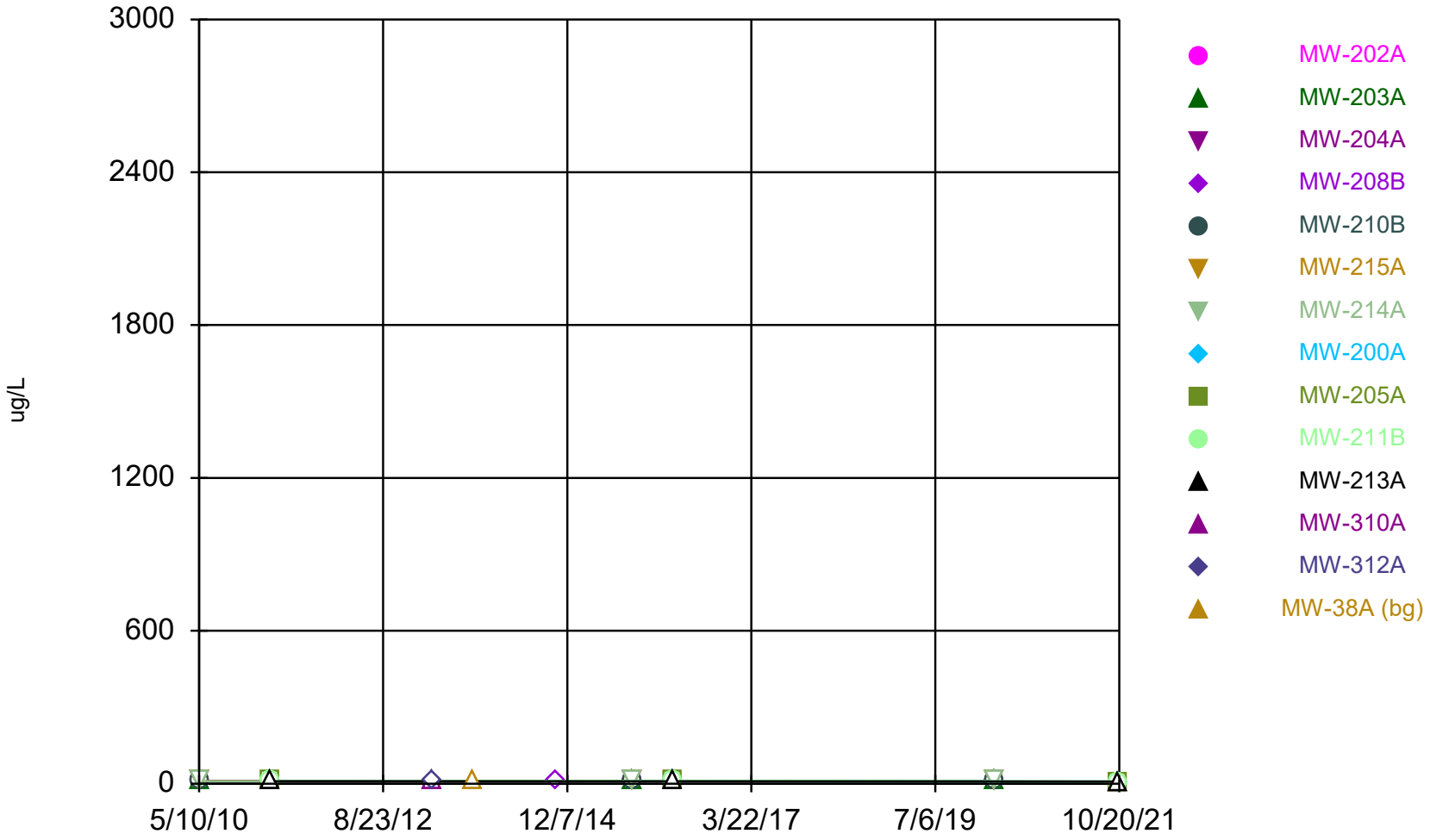


Constituent: m/p-Cresol Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

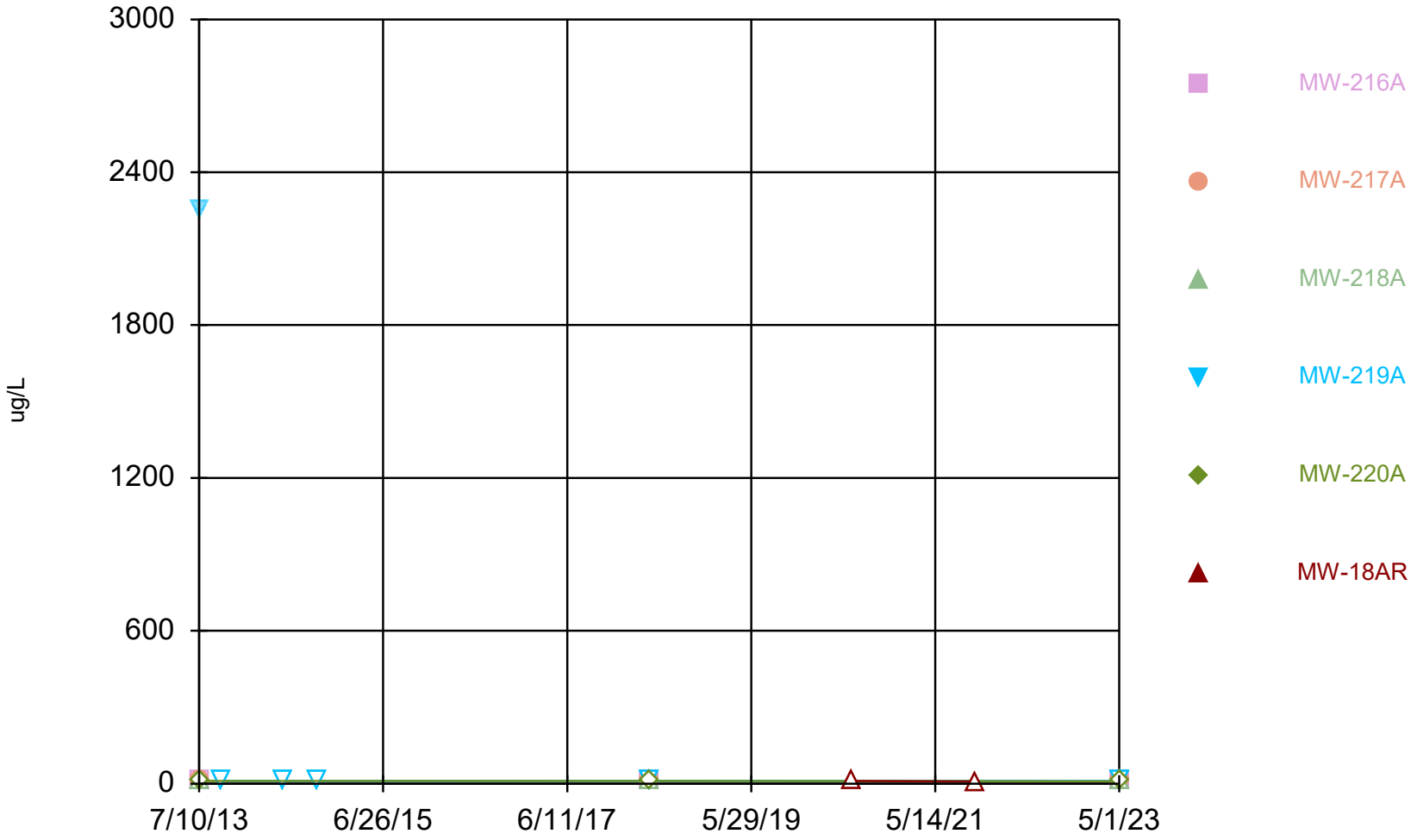


Constituent: m/p-Cresol Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: m/p-Cresol Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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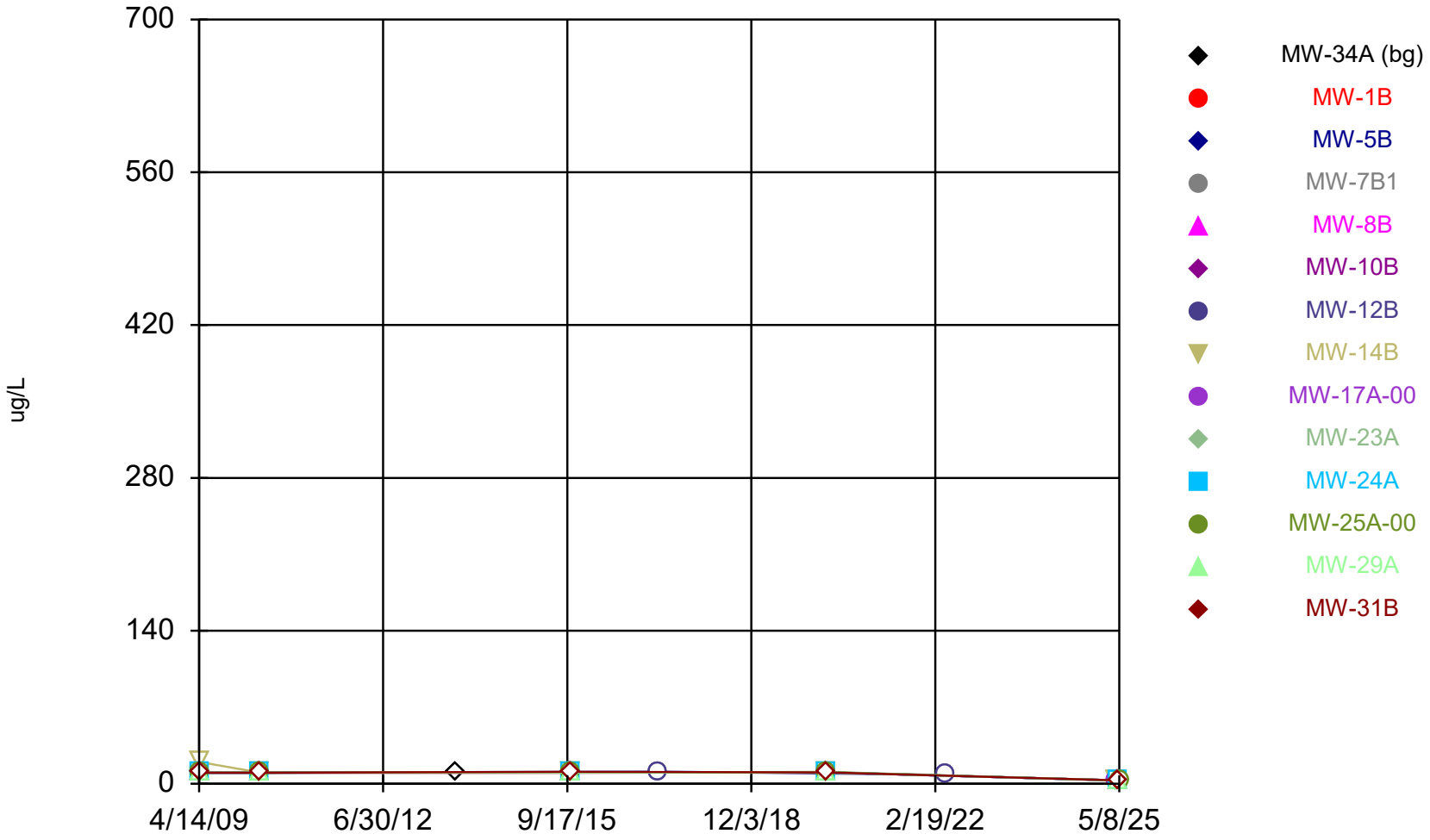
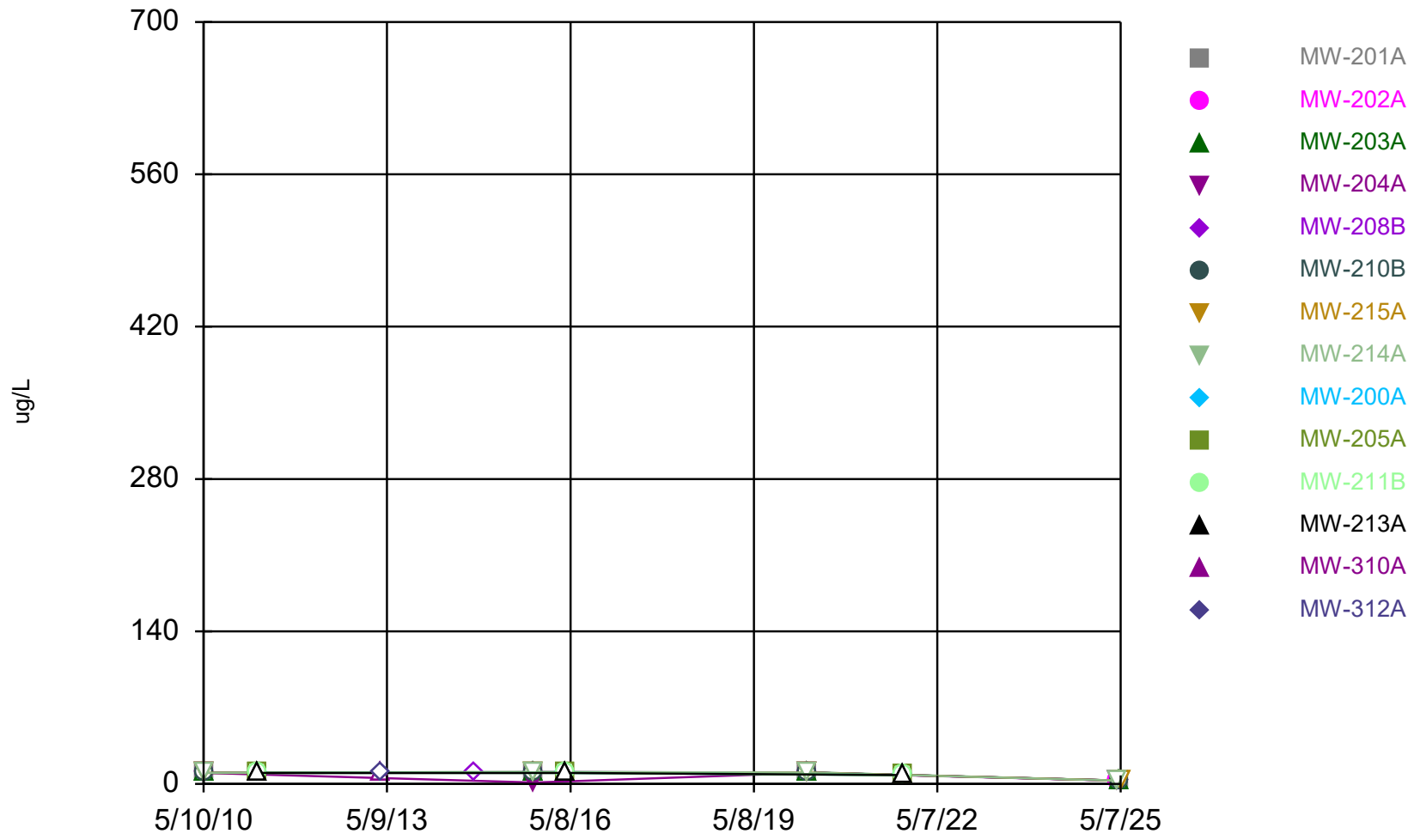


Constituent: O-Toluidine Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

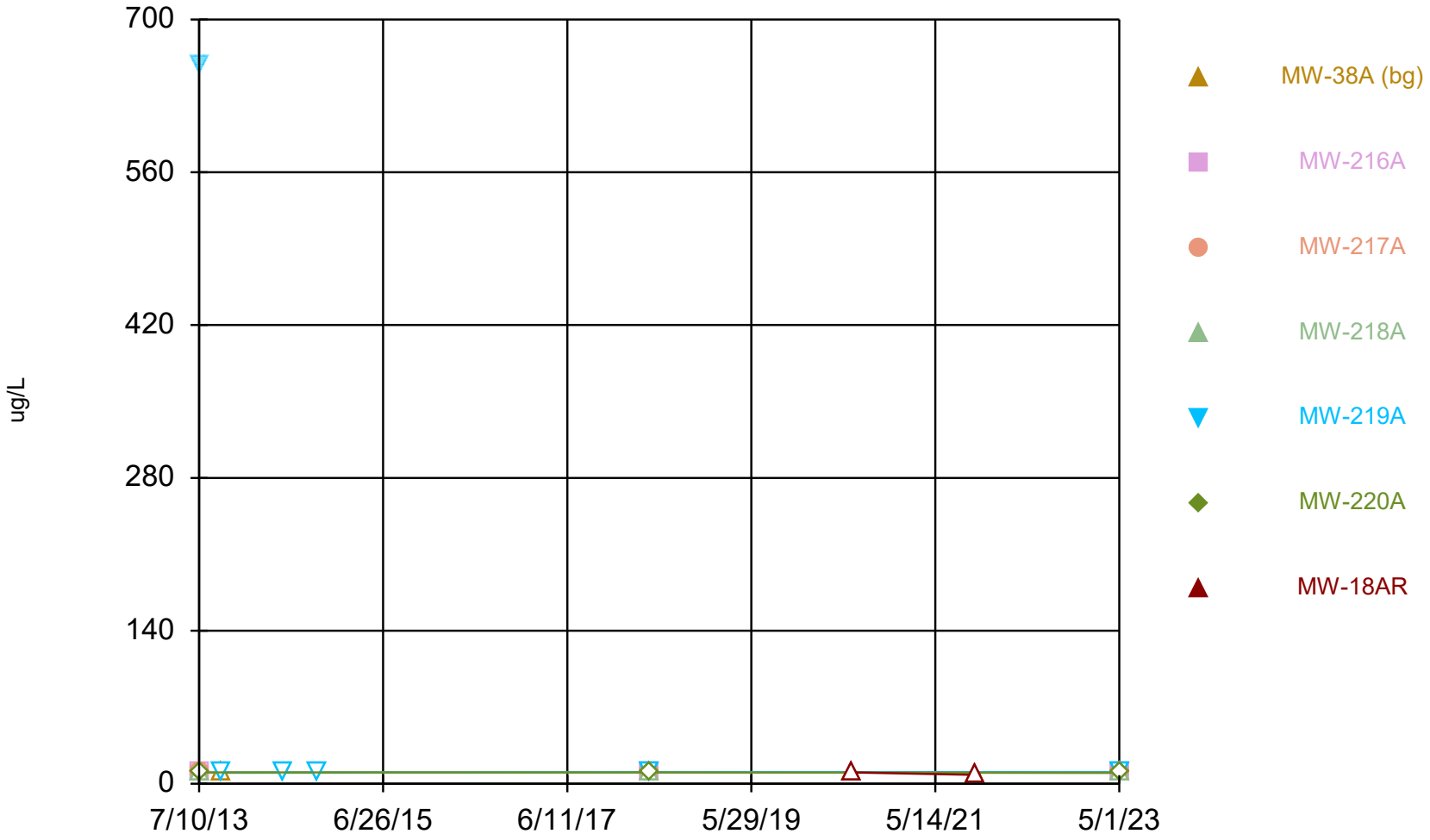


Constituent: O-Toluidine Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: O-Toluidine Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
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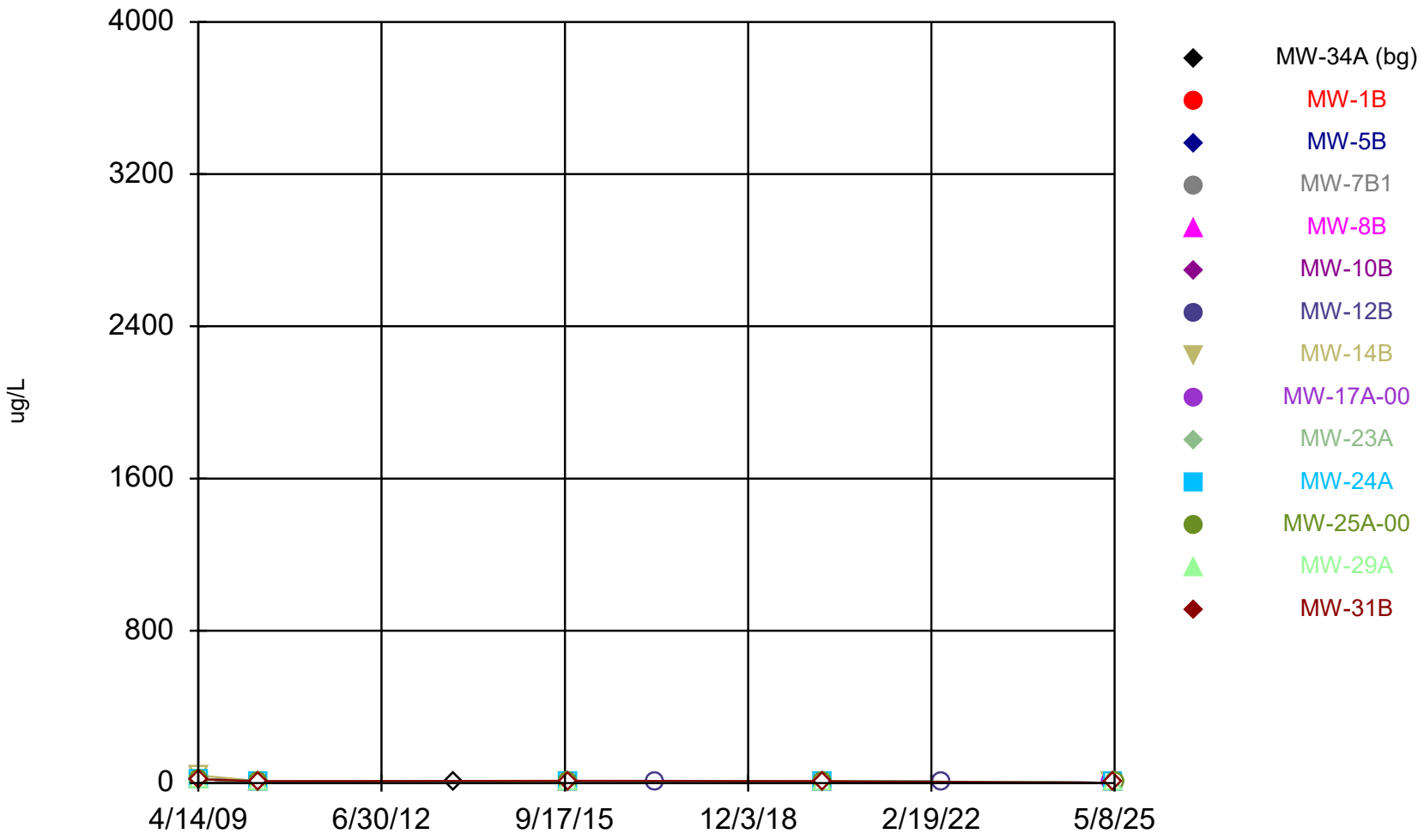
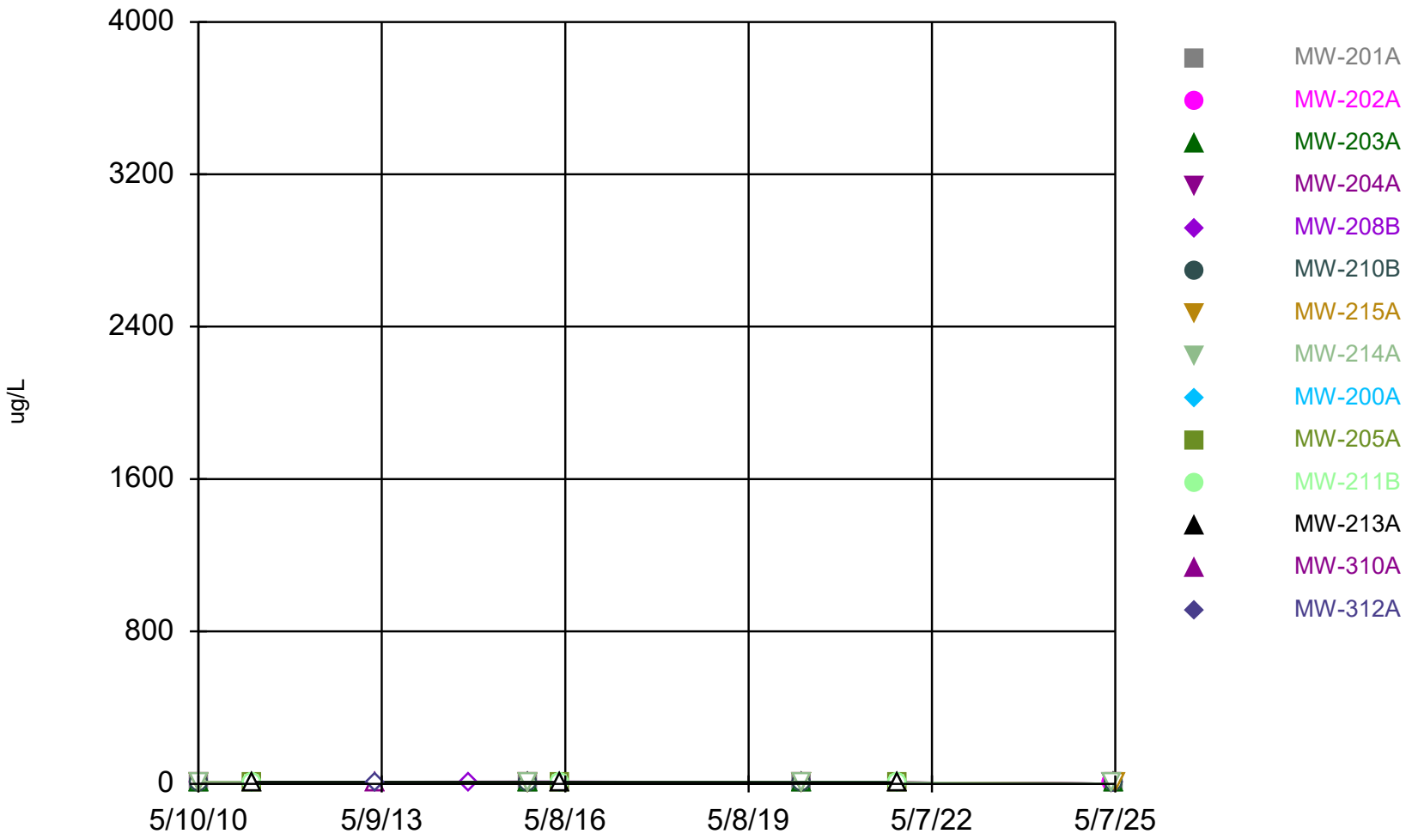


Constituent: Phenol Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Phenol Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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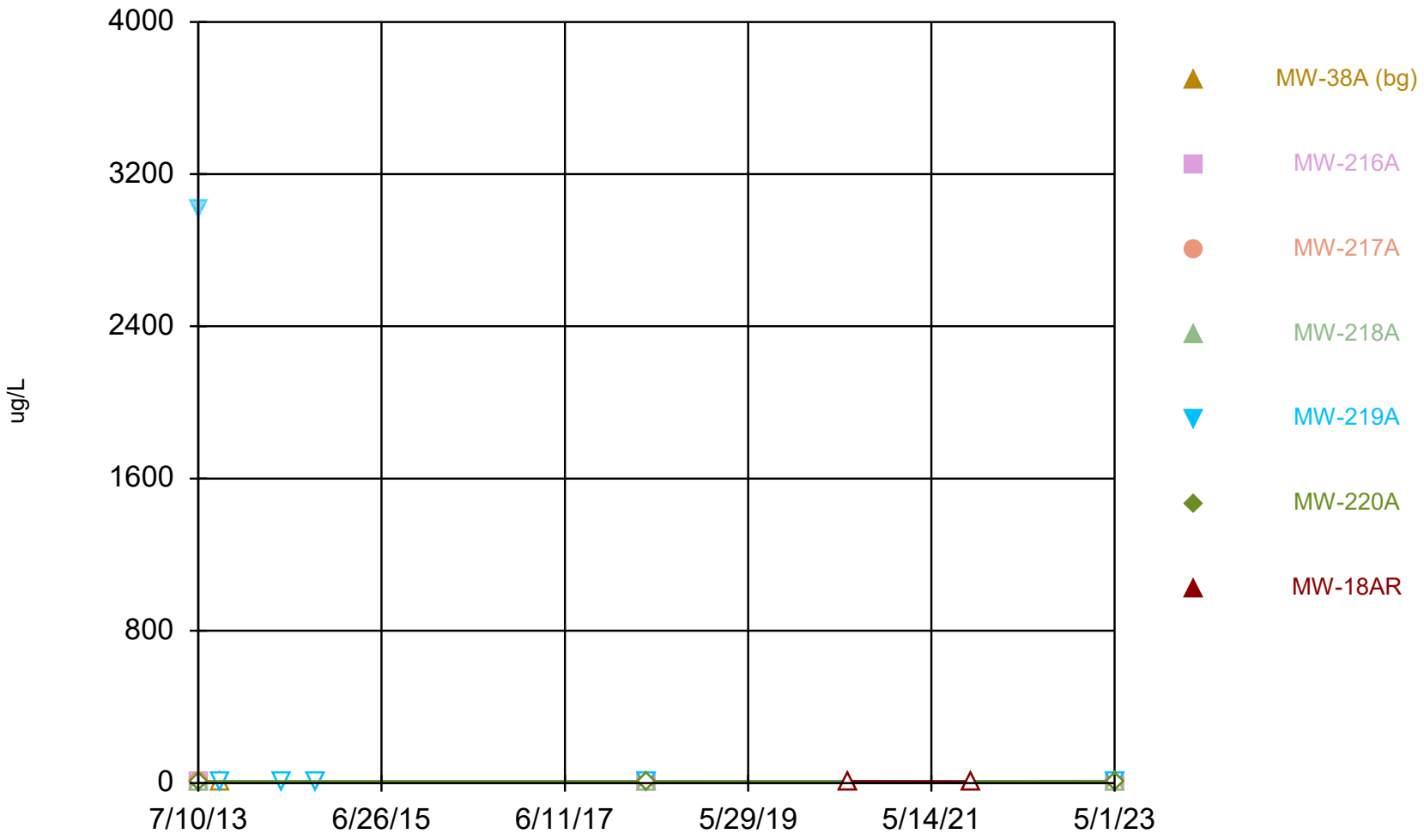

Constituent: Phenol Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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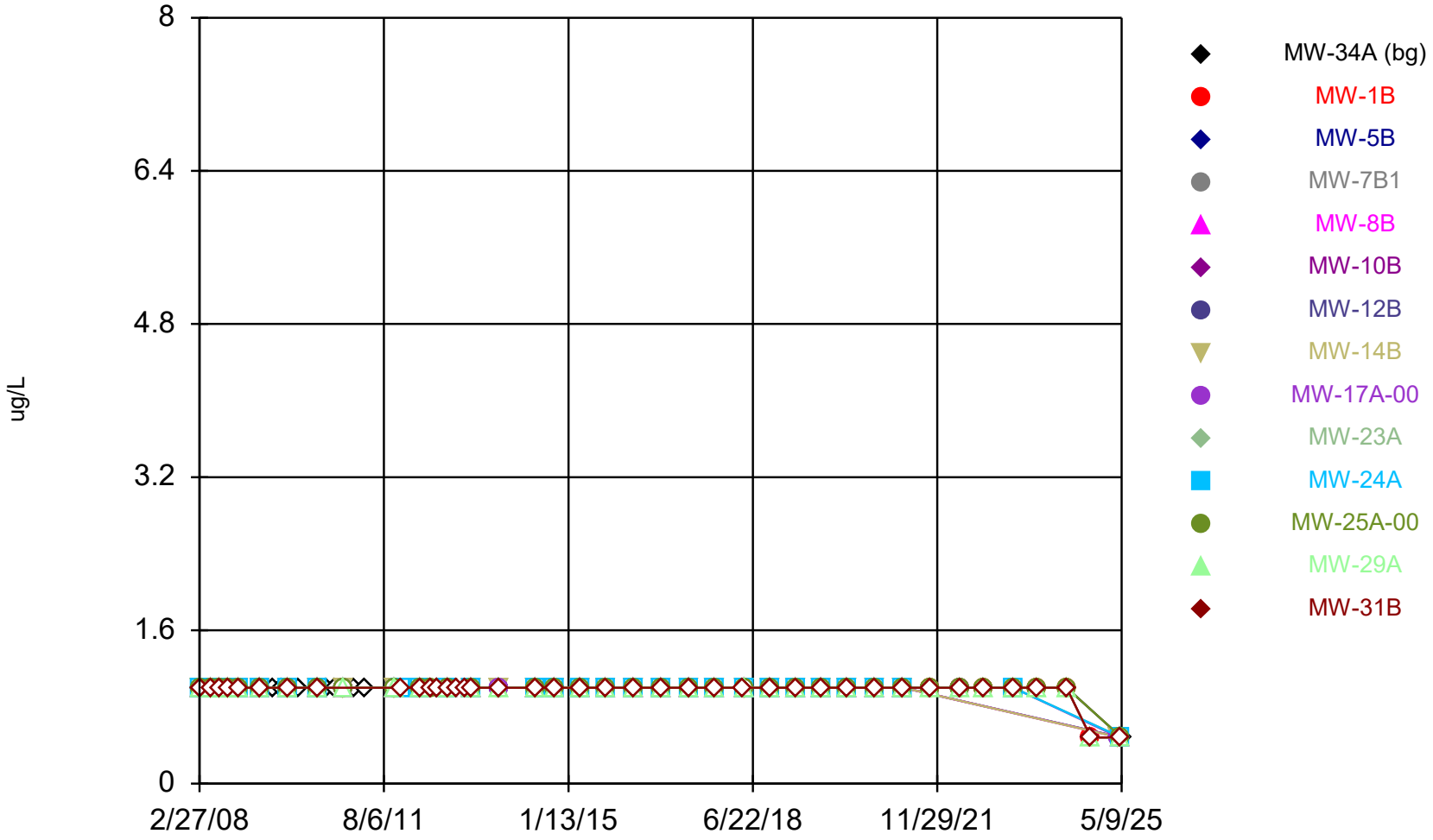
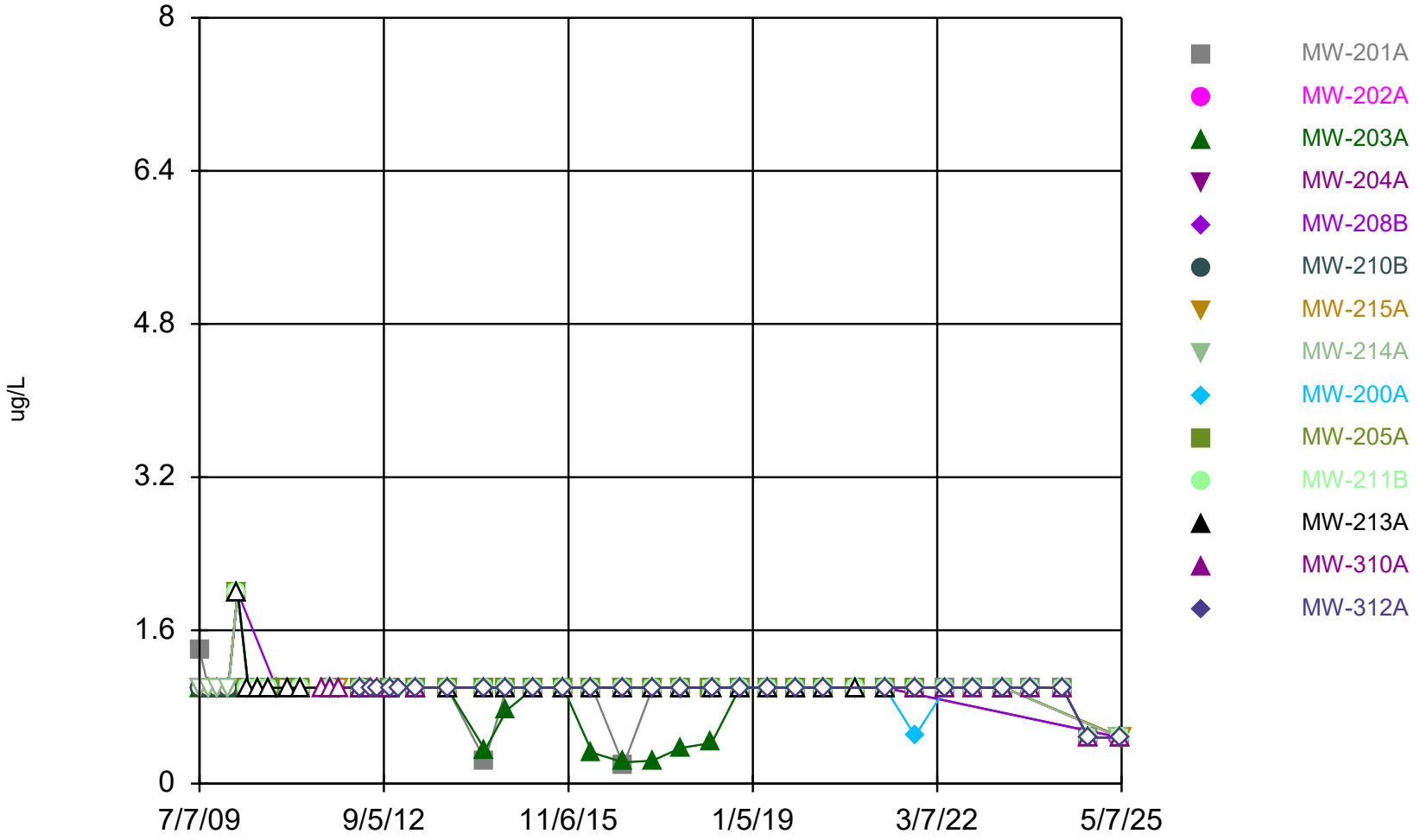


Constituent: Tetrachloroethene Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

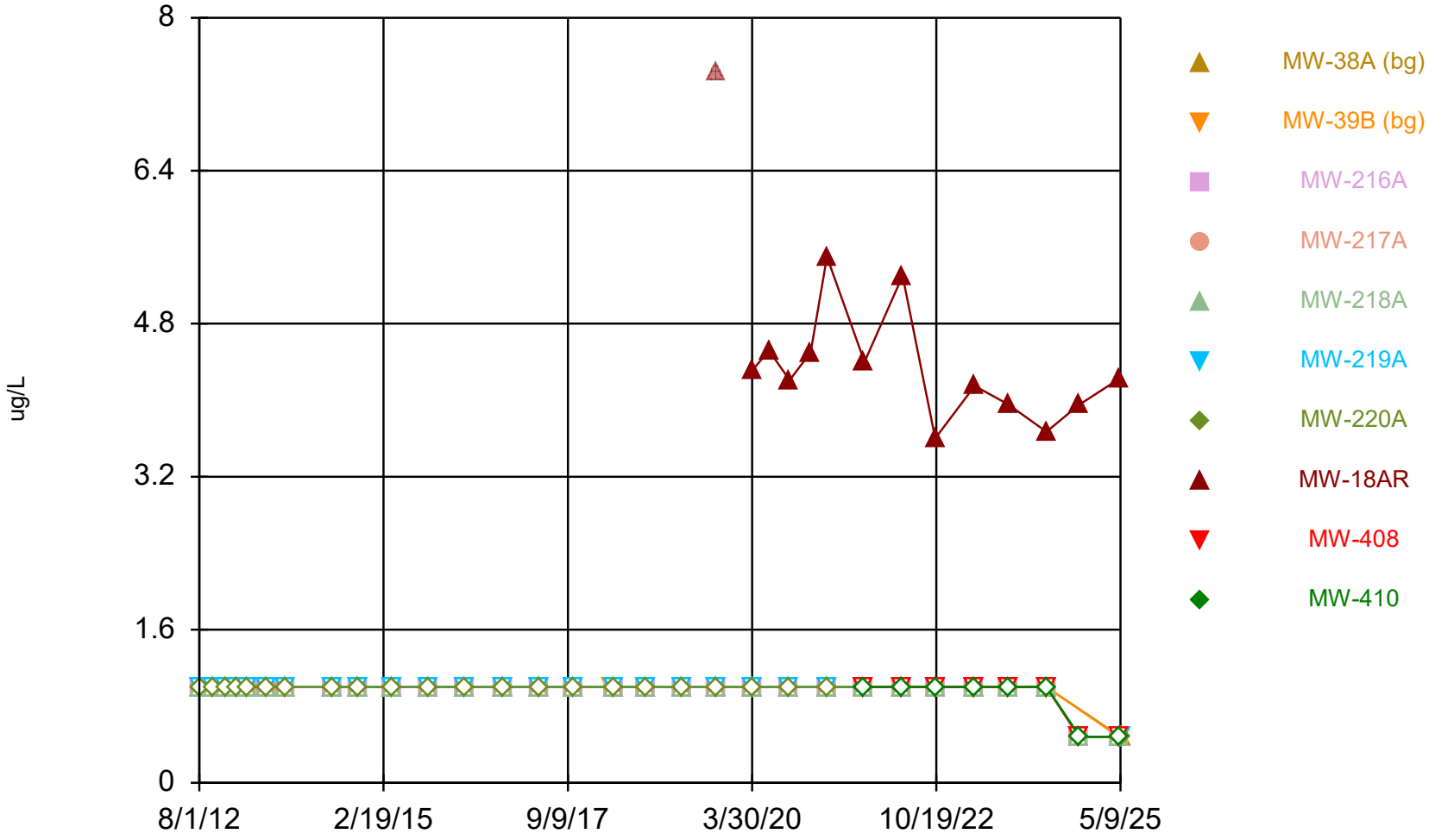


Constituent: Tetrachloroethene Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

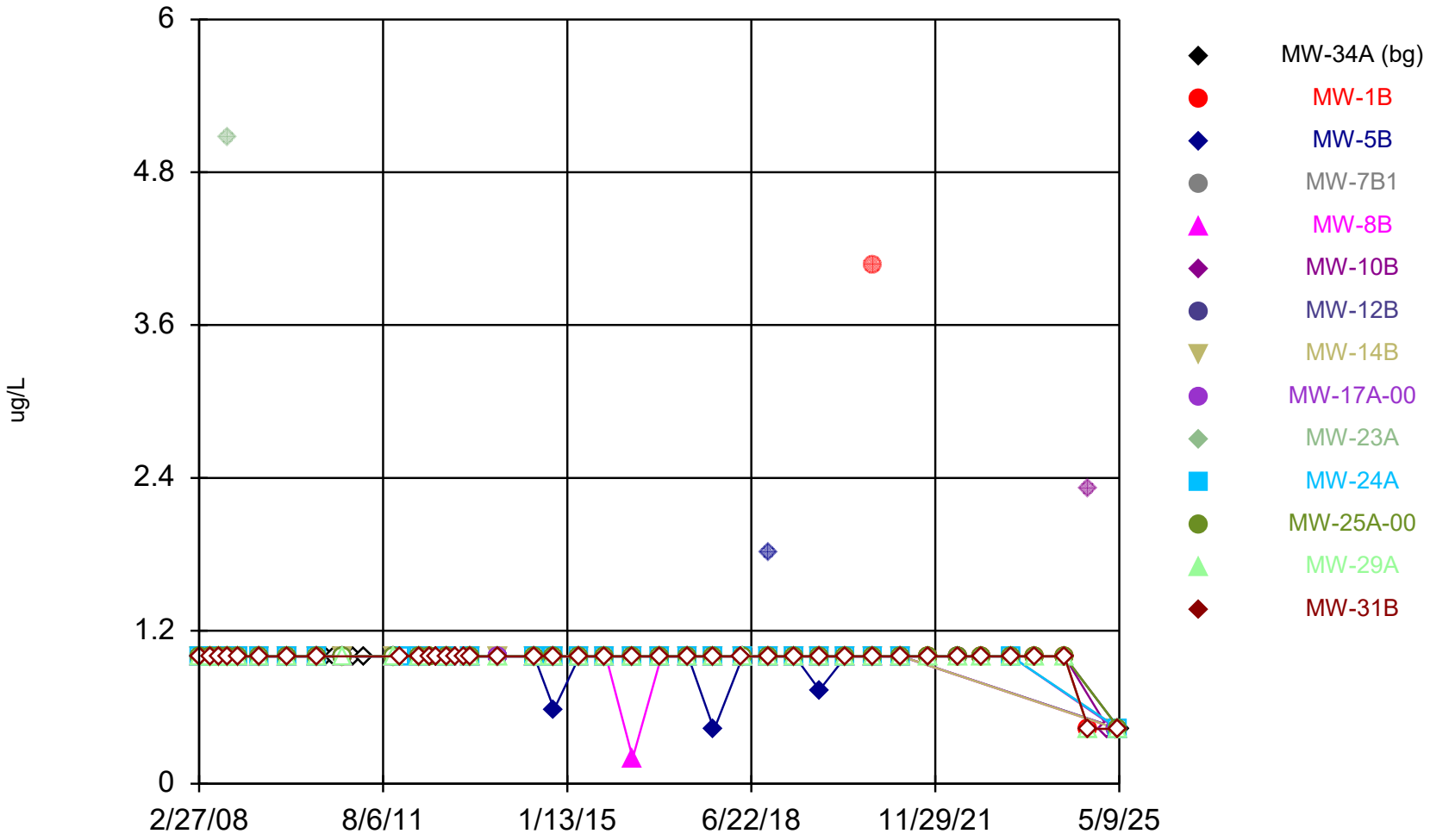


Constituent: Tetrachloroethene Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

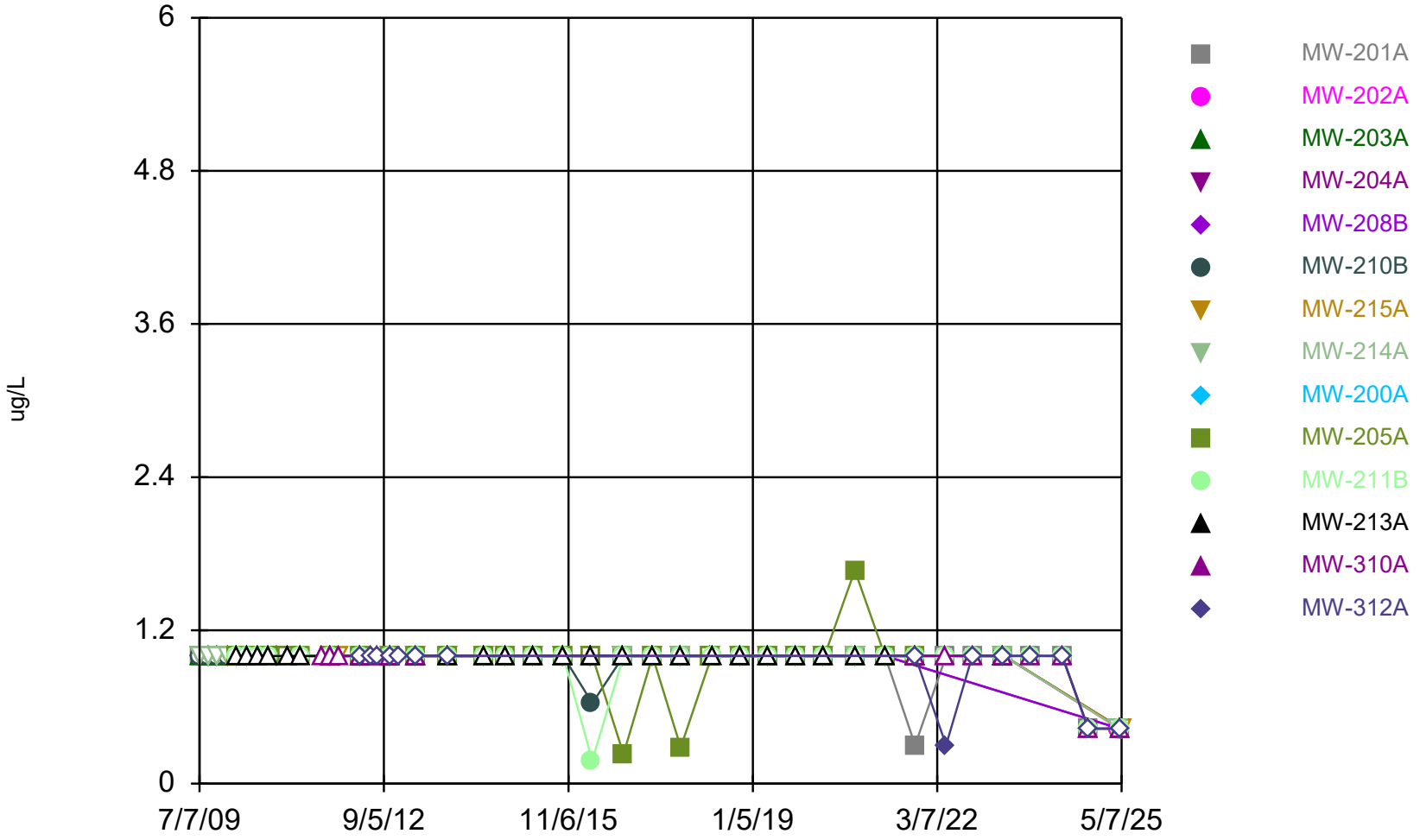


Constituent: Toluene Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

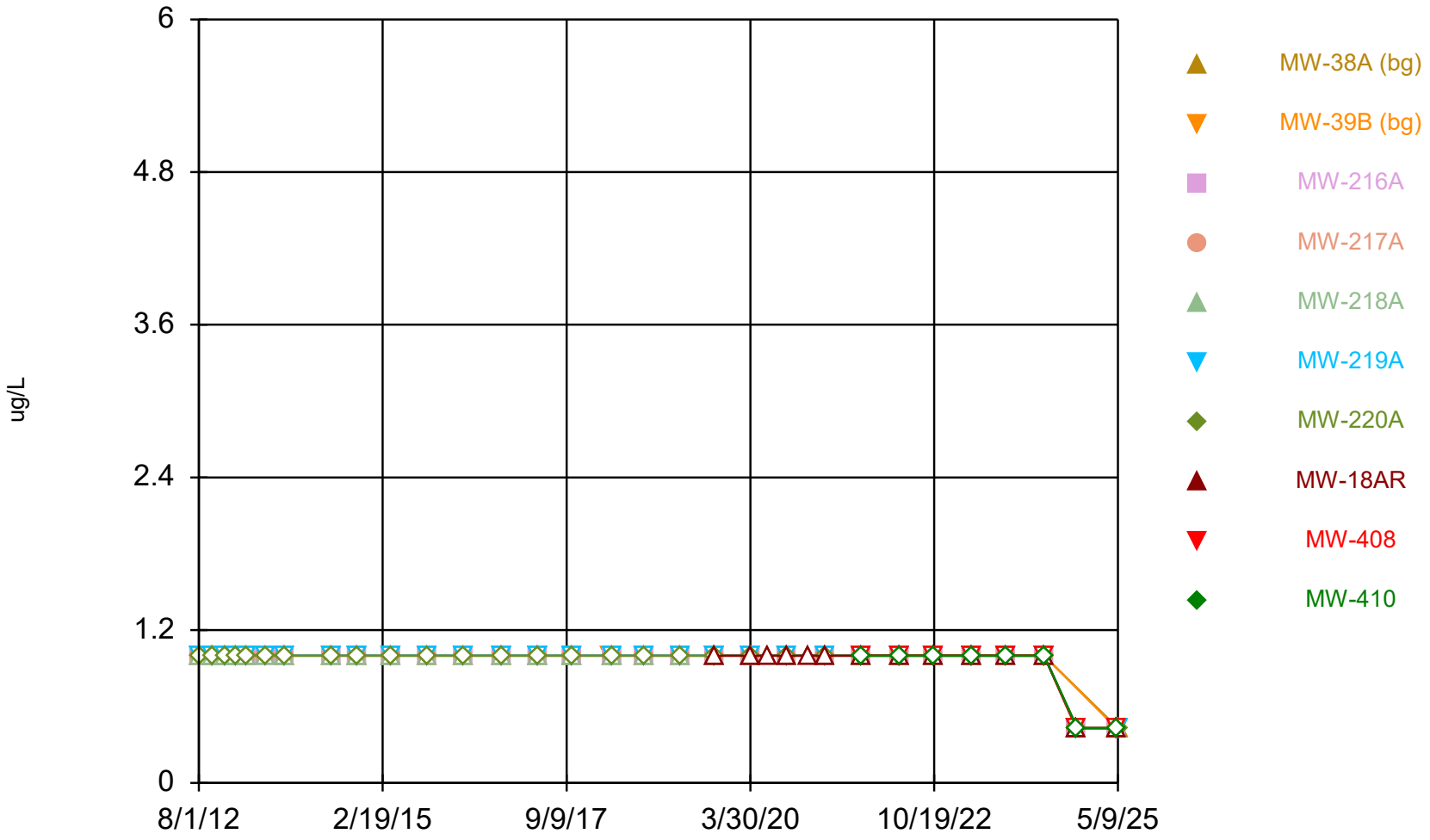


Constituent: Toluene Analysis Run 7/13/2025 11:42 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

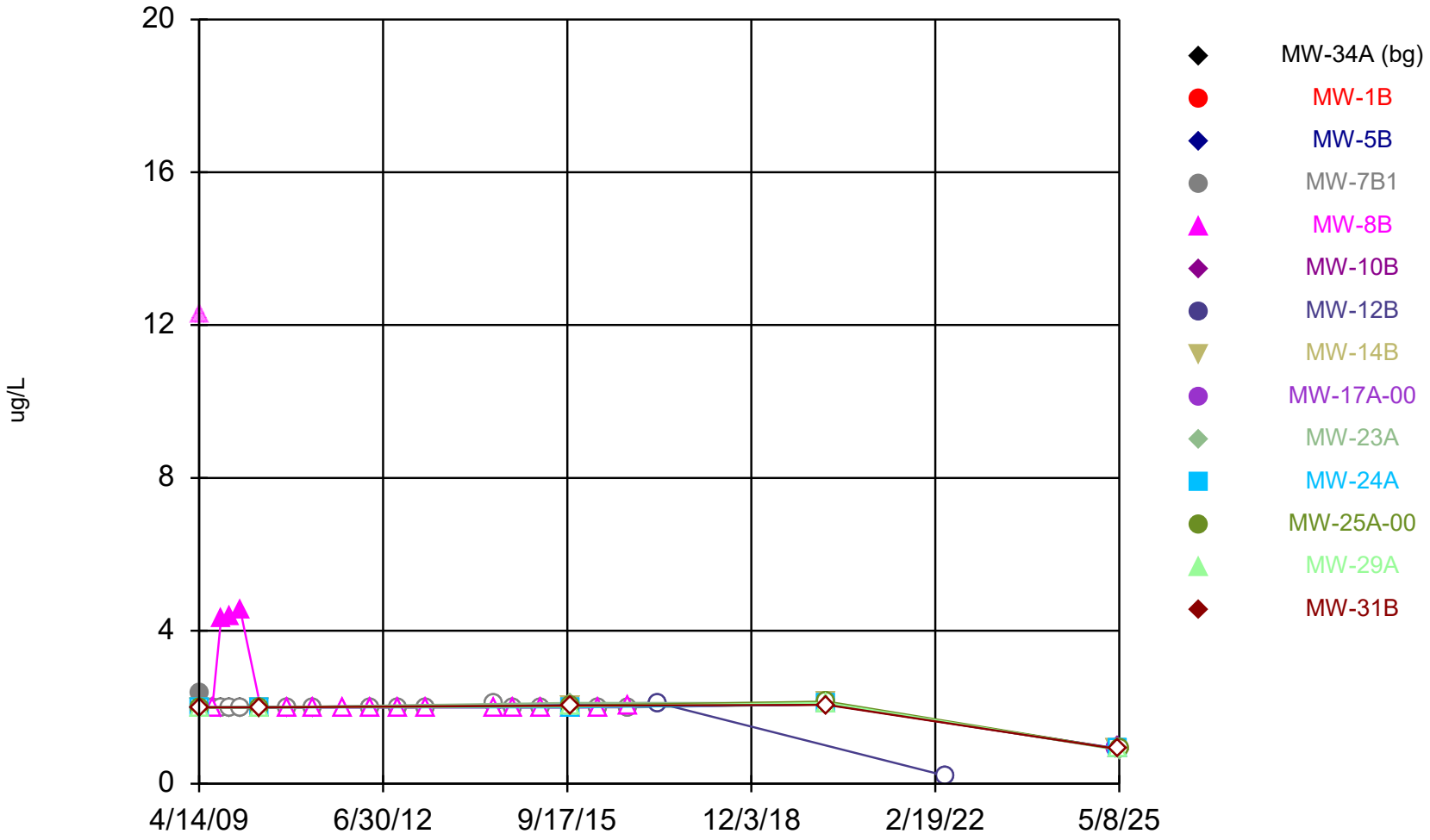


Constituent: Toluene Analysis Run 7/13/2025 11:43 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

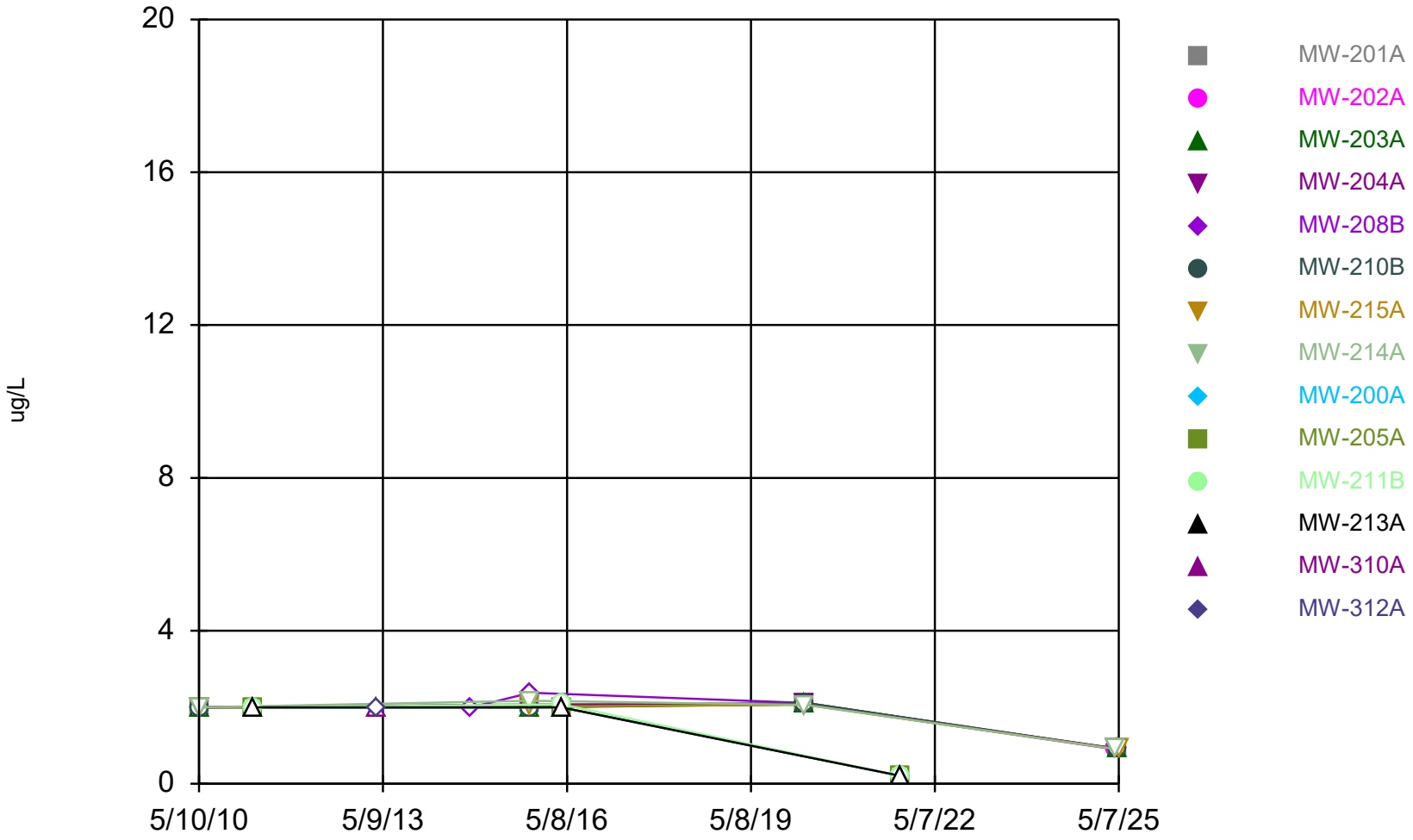


Constituent: Toxaphene Analysis Run 7/13/2025 11:43 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

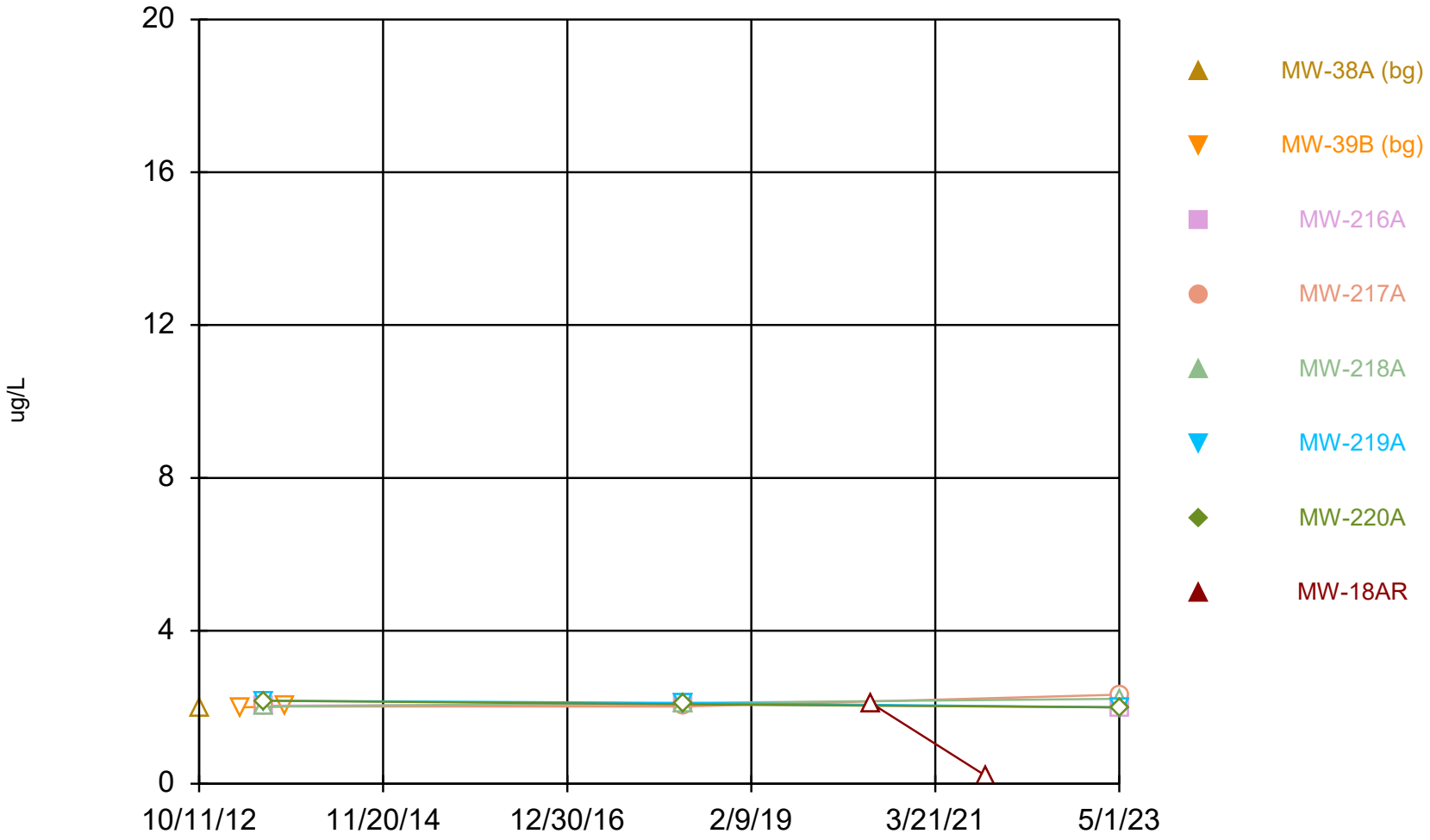


Constituent: Toxaphene Analysis Run 7/13/2025 11:43 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

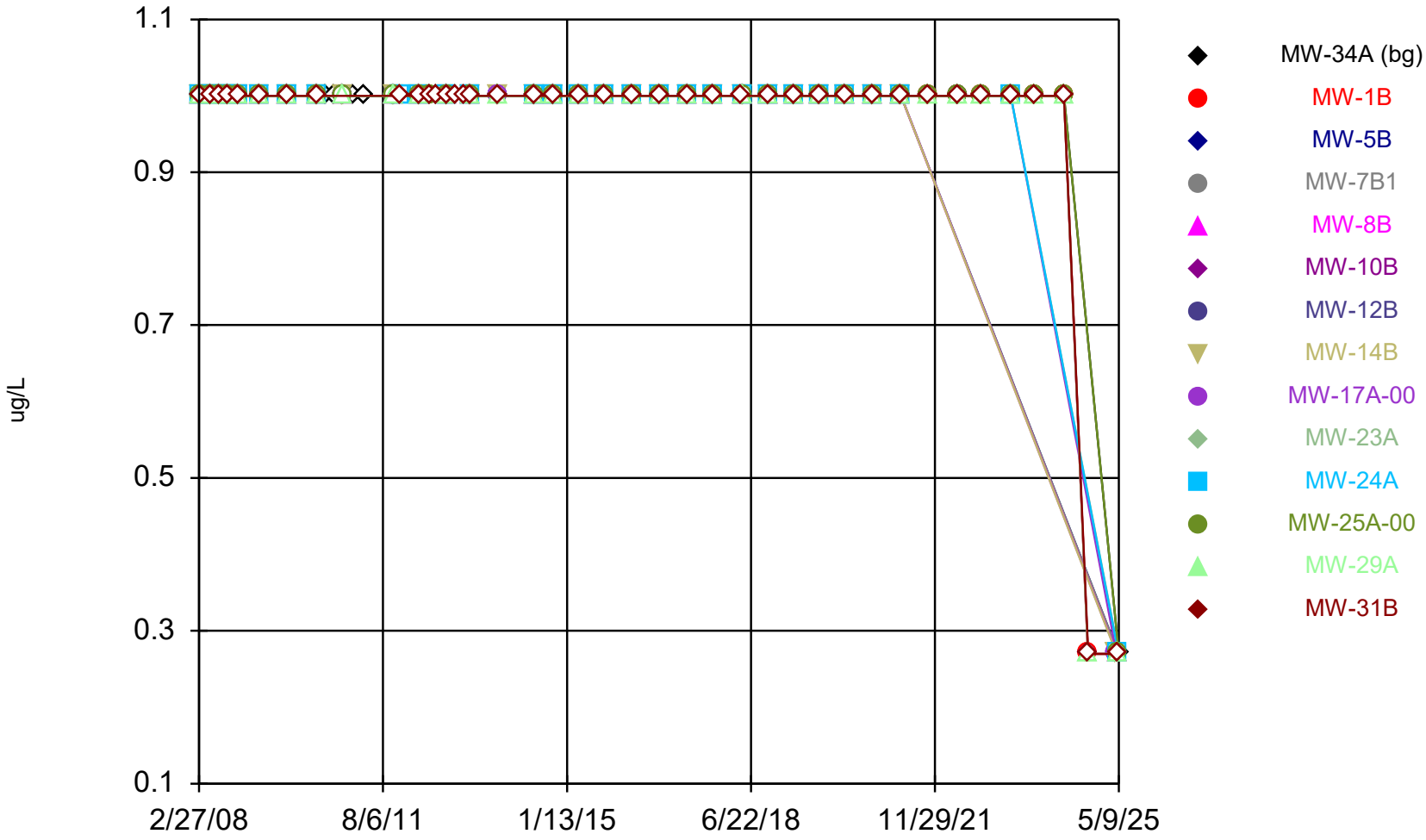


Constituent: Toxaphene Analysis Run 7/13/2025 11:43 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

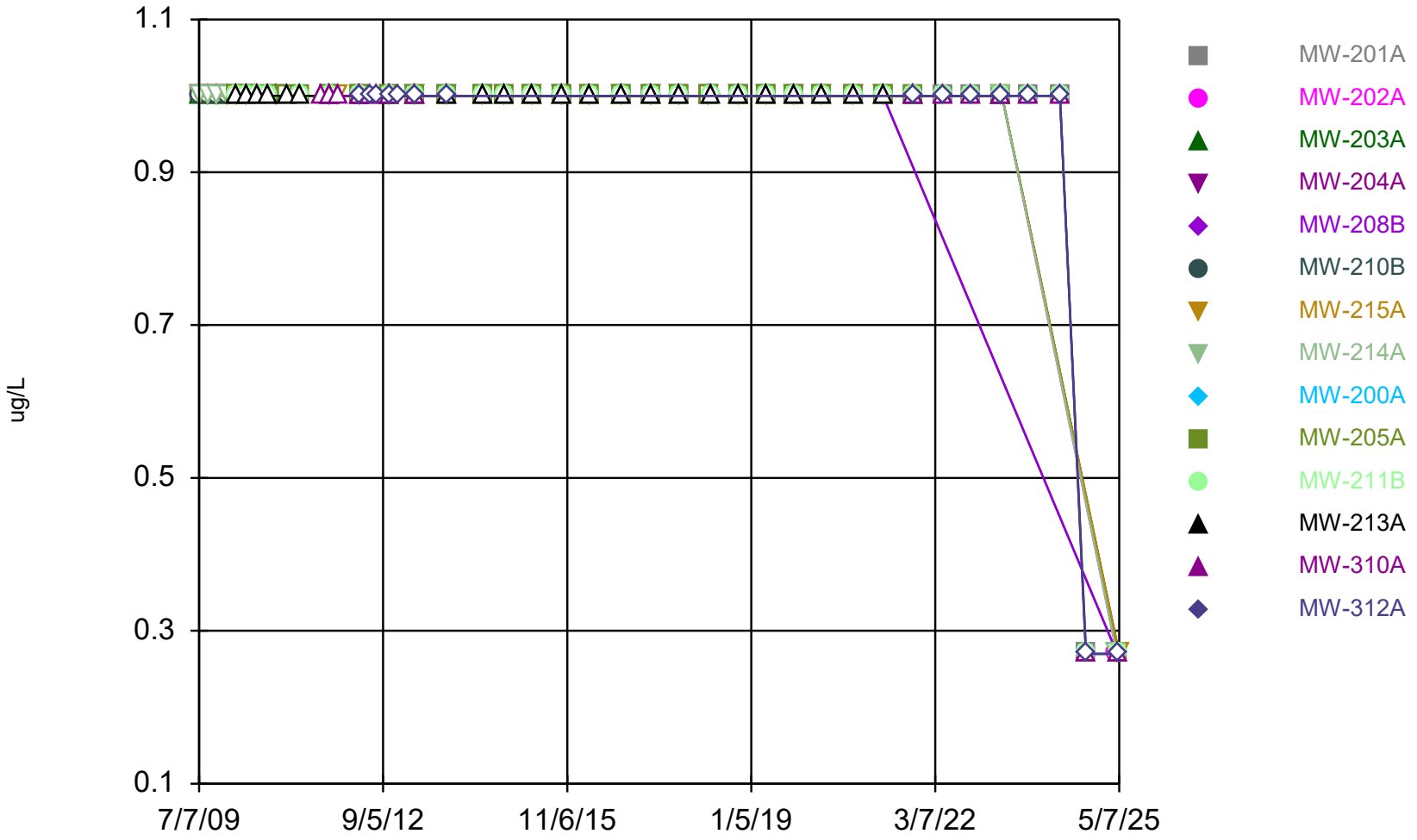


Constituent: trans-1,2-Dichloroethene Analysis Run 7/13/2025 11:43 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

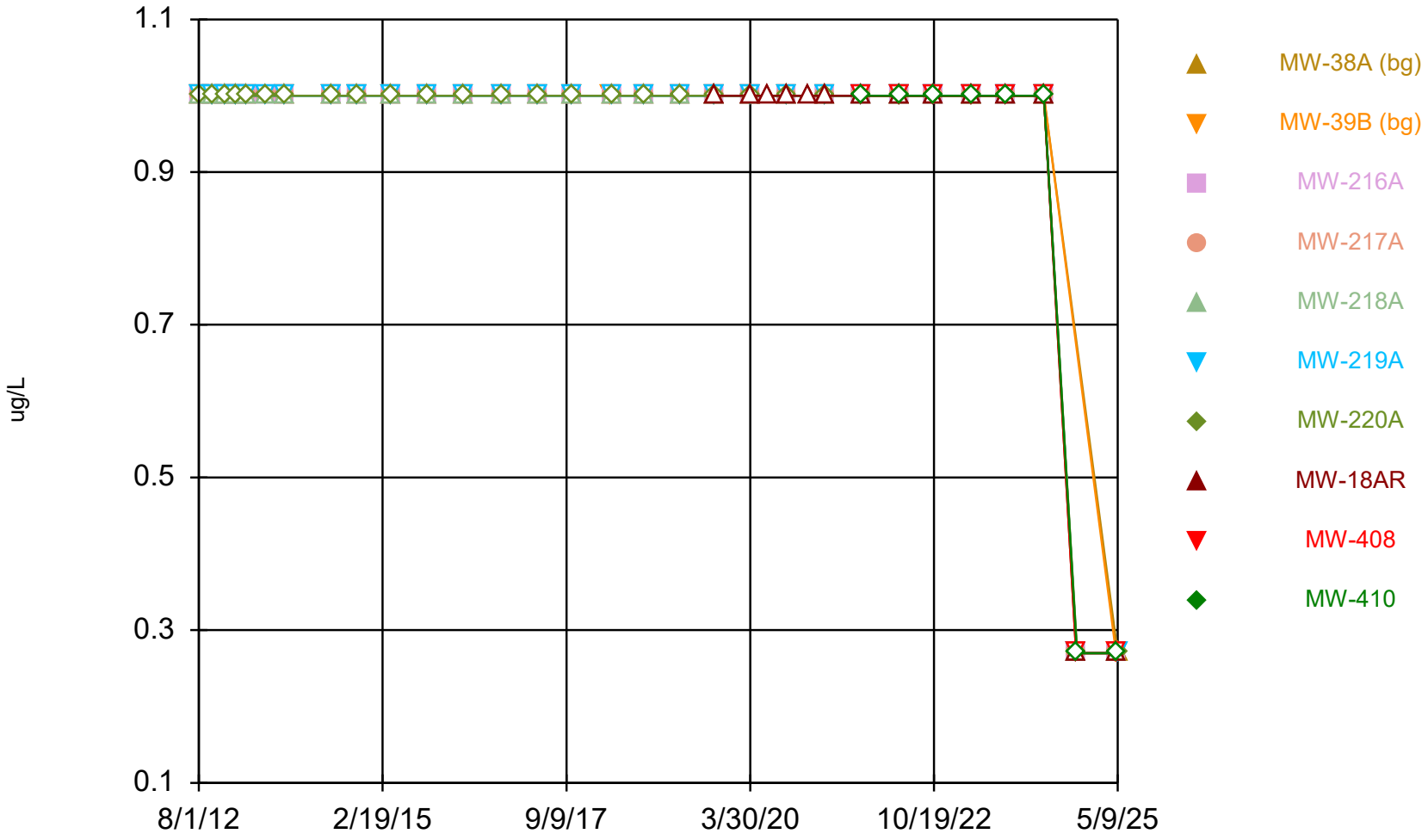


Constituent: trans-1,2-Dichloroethene Analysis Run 7/13/2025 11:43 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series

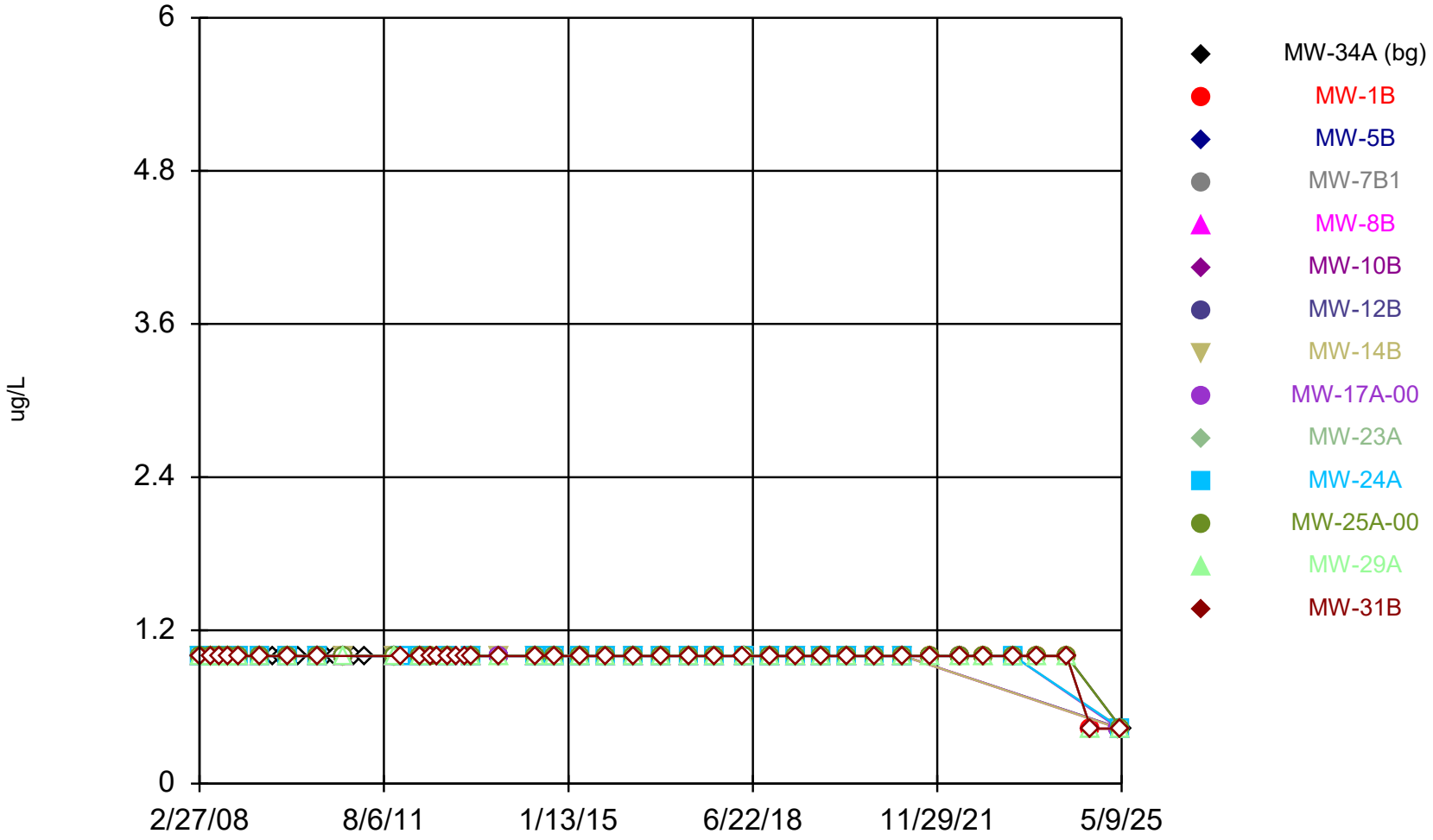


Constituent: trans-1,2-Dichloroethene Analysis Run 7/13/2025 11:43 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



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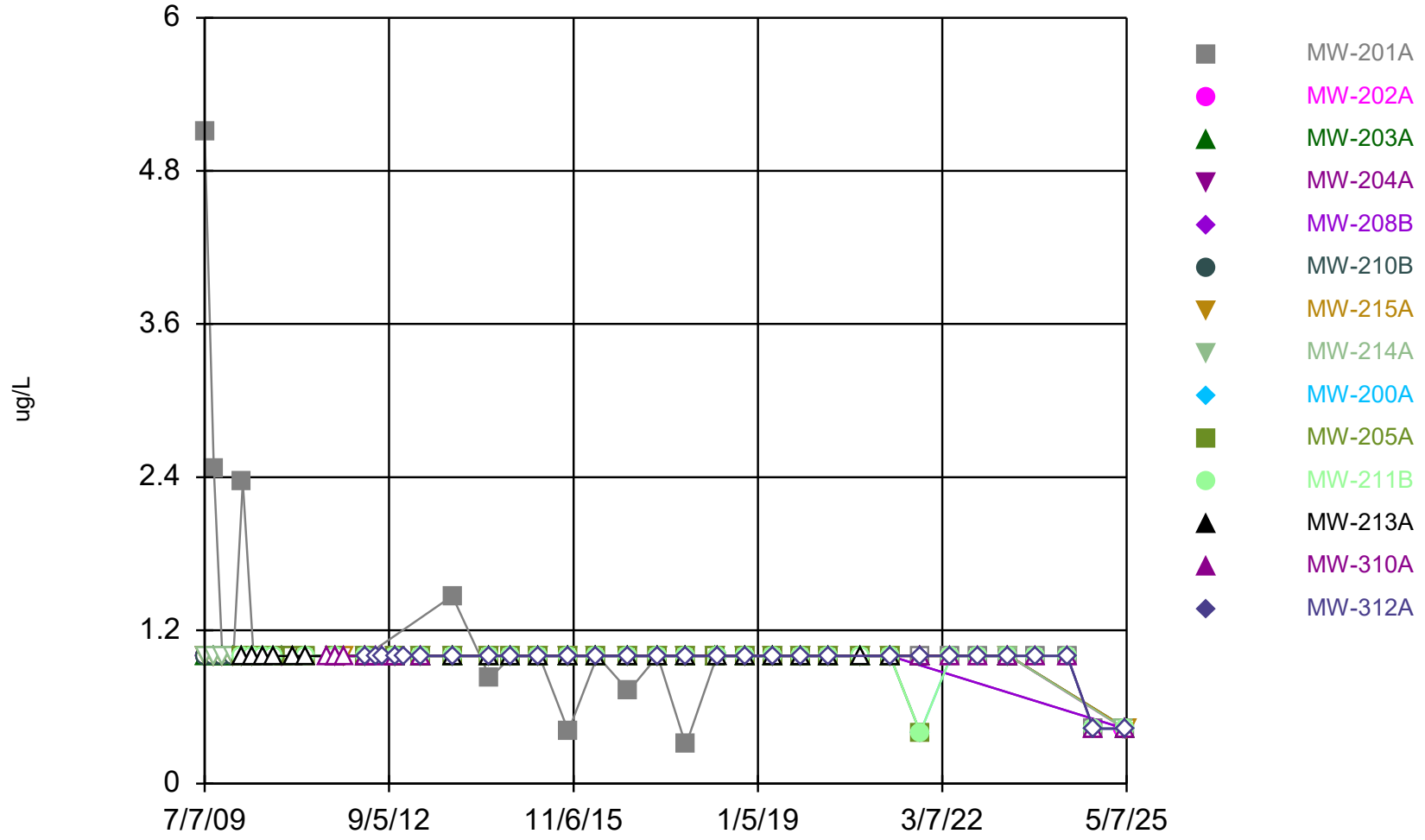
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



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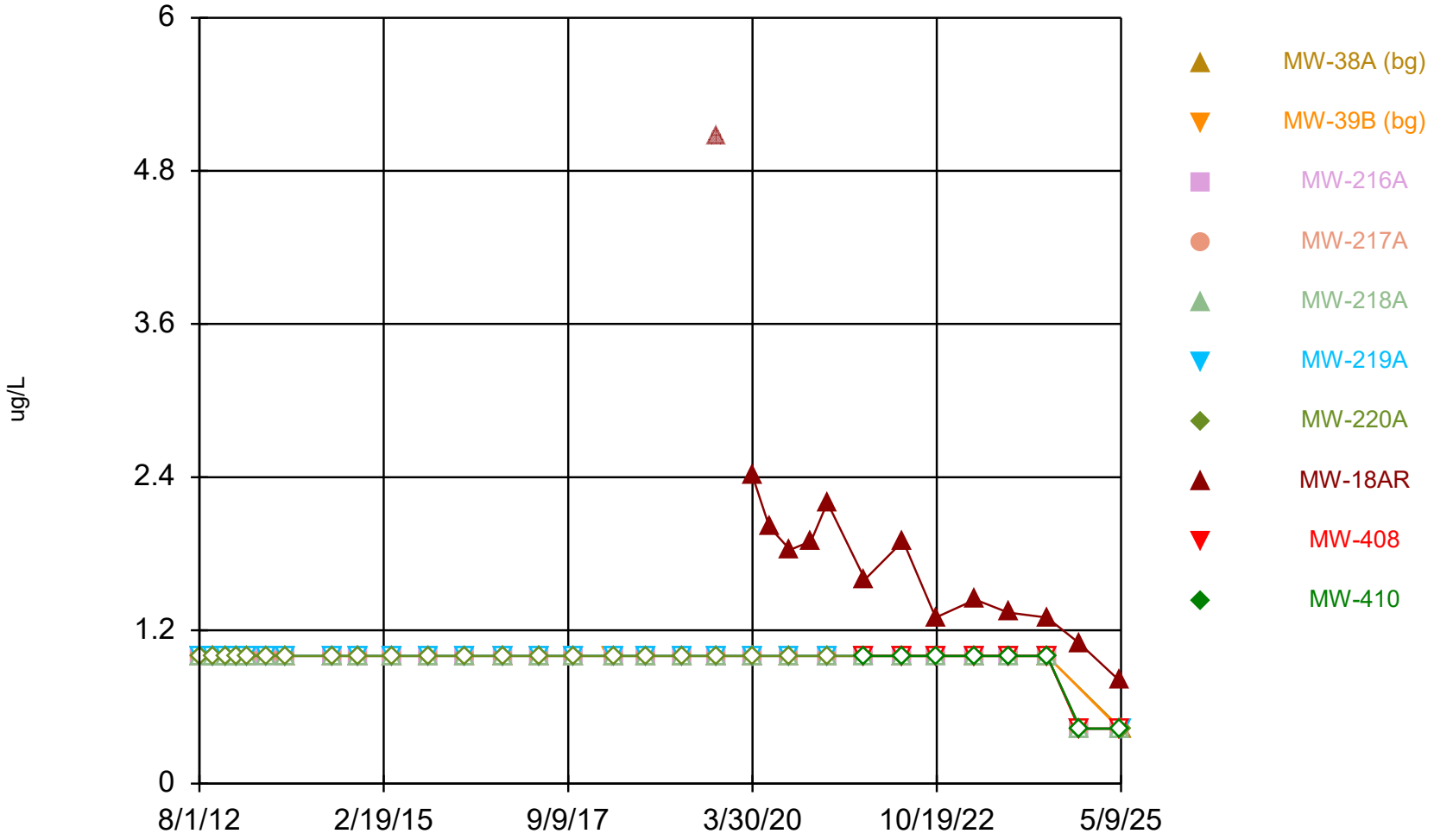
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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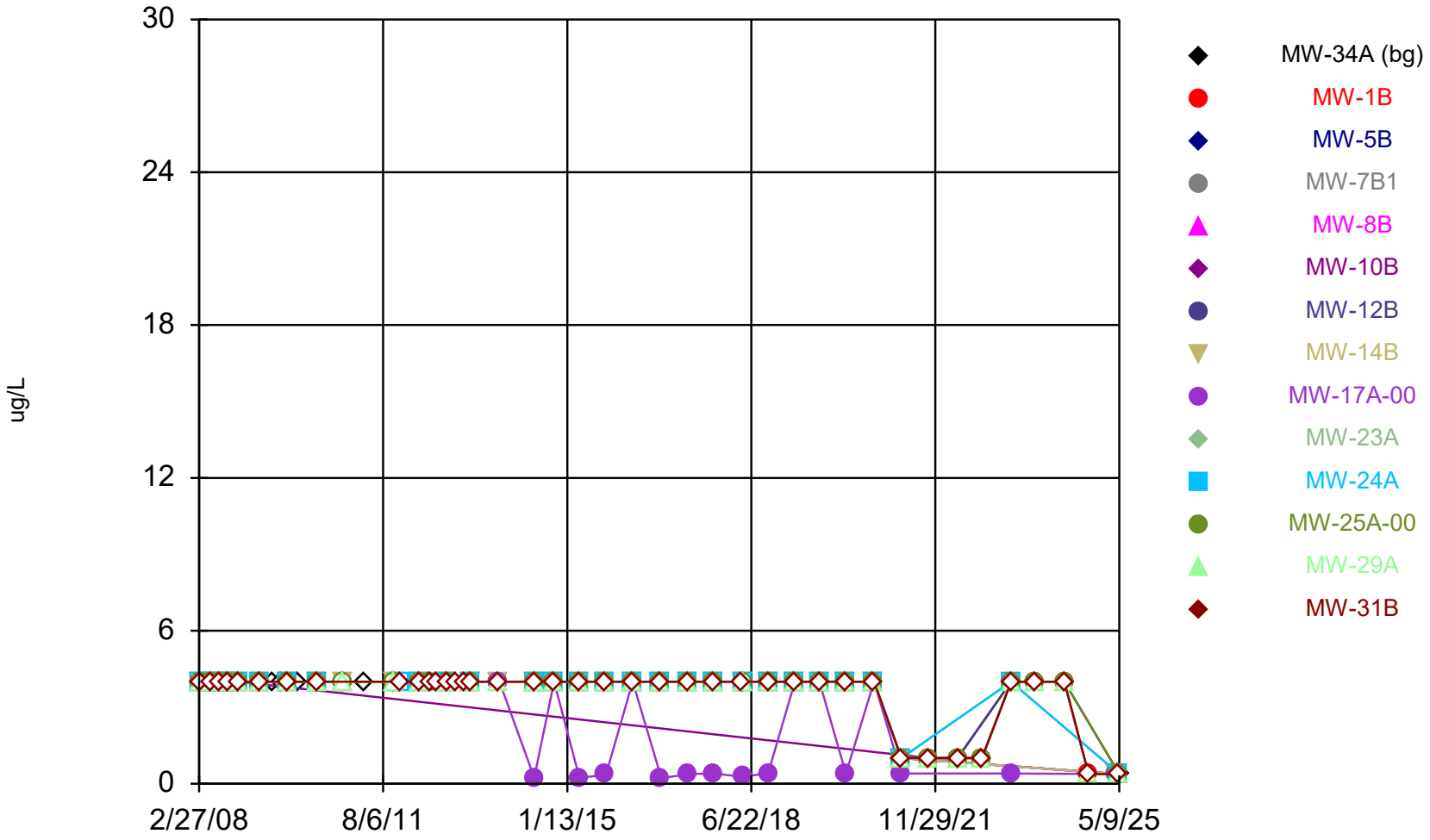
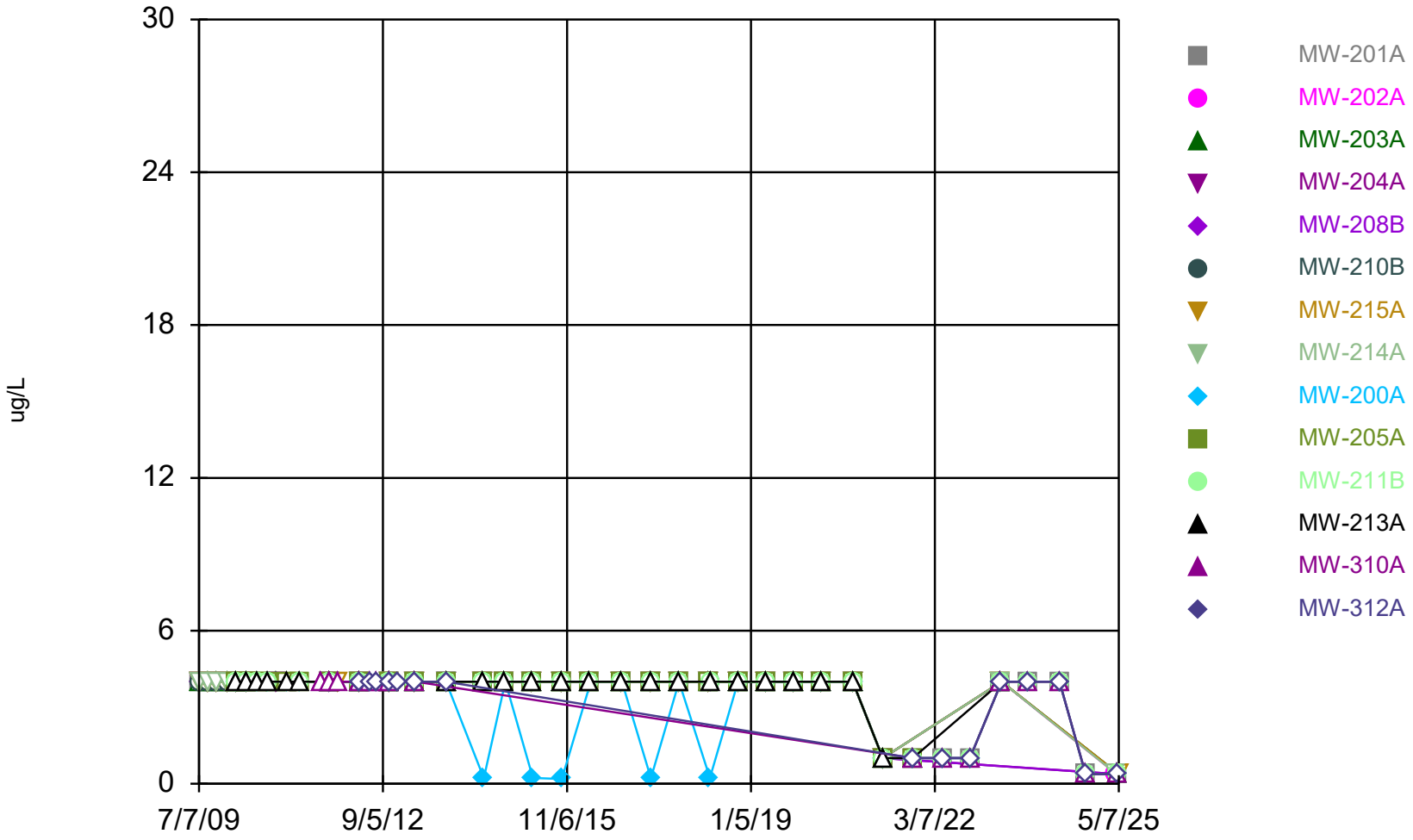


Constituent: Trichlorofluoromethane Analysis Run 7/13/2025 11:43 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

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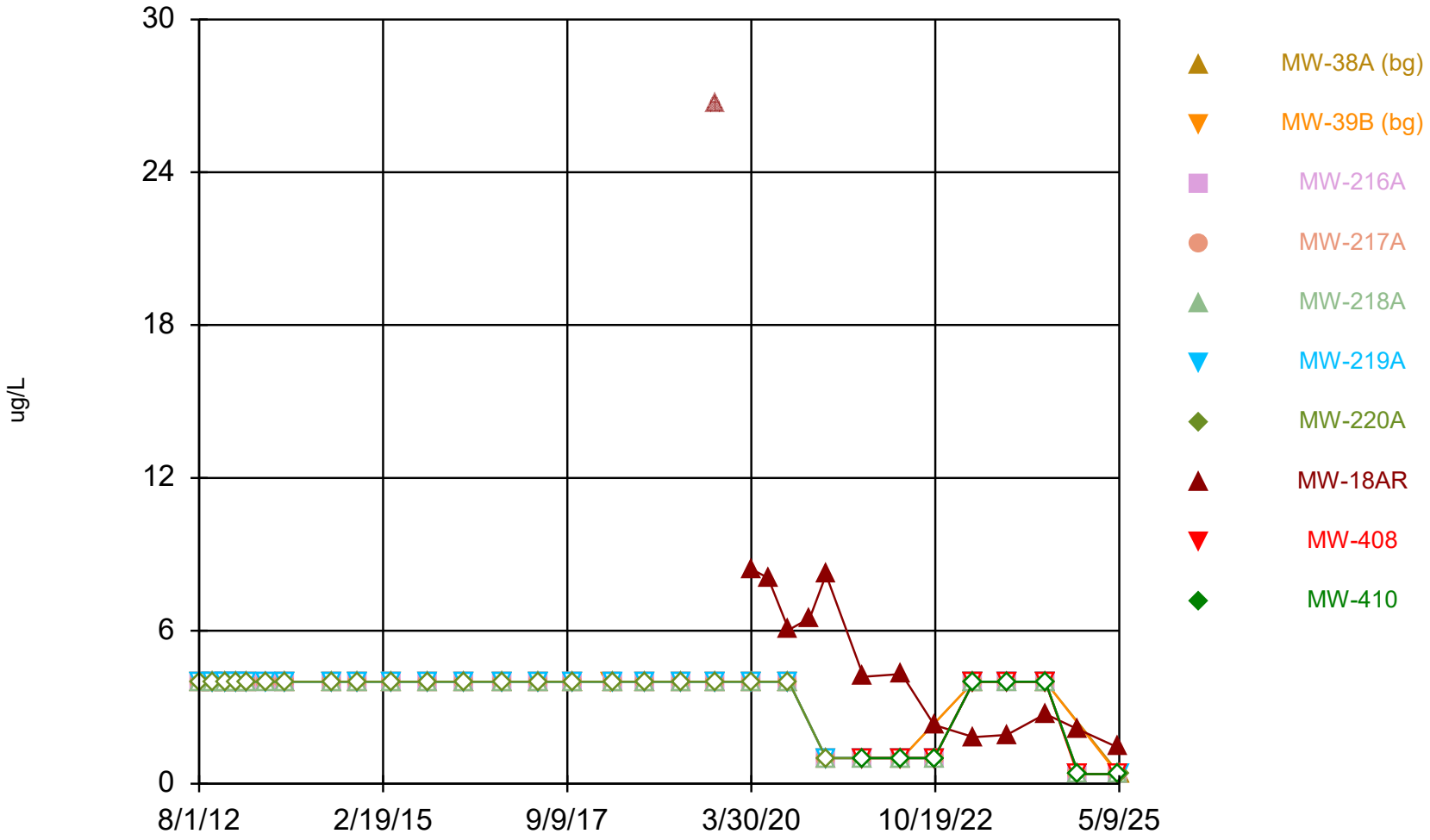

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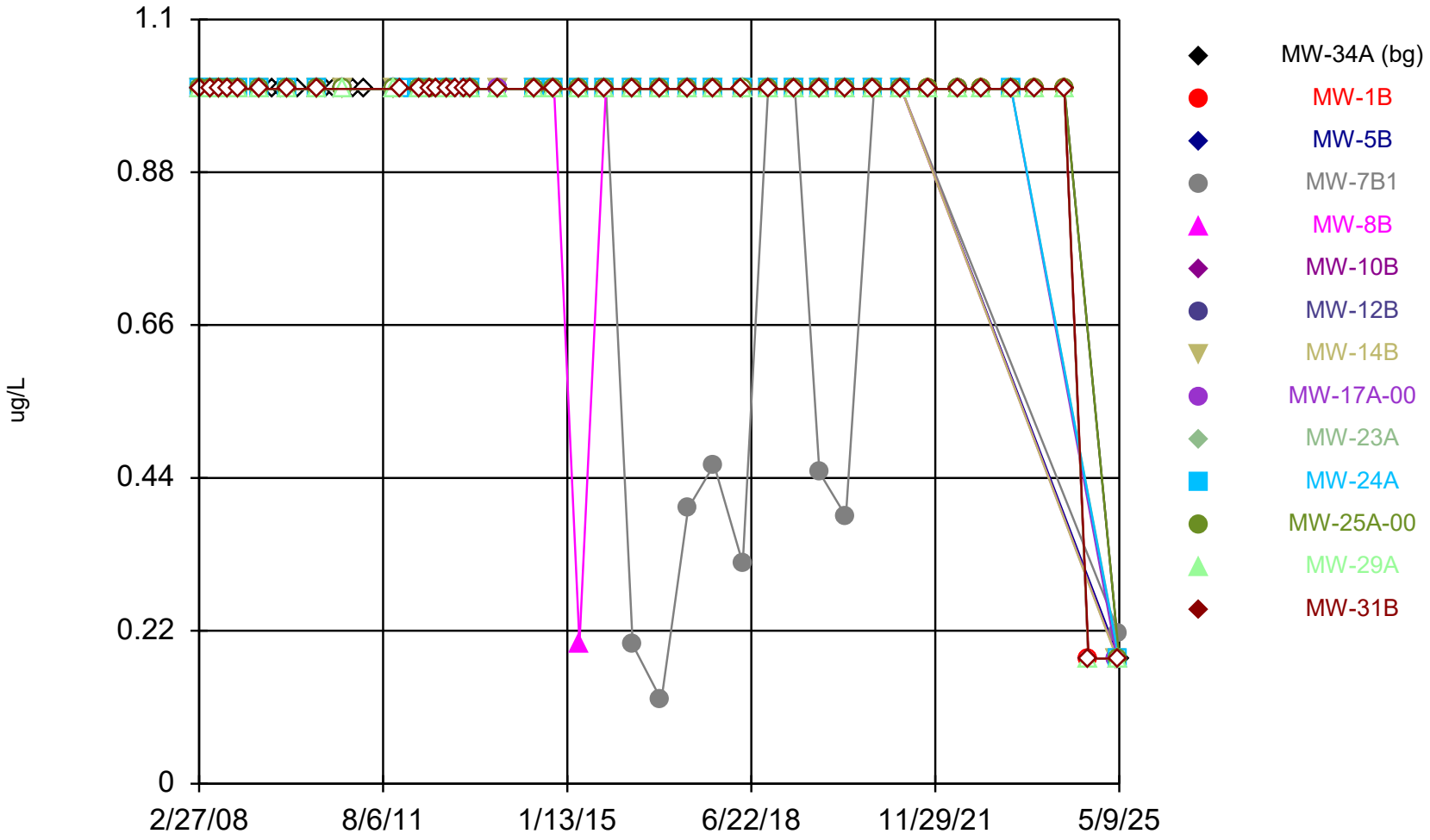
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Vinyl Chloride Analysis Run 7/13/2025 11:43 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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Time Series

Constituent: Vinyl Chloride Analysis Run 7/13/2025 11:43 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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Hollow symbols indicate censored values.

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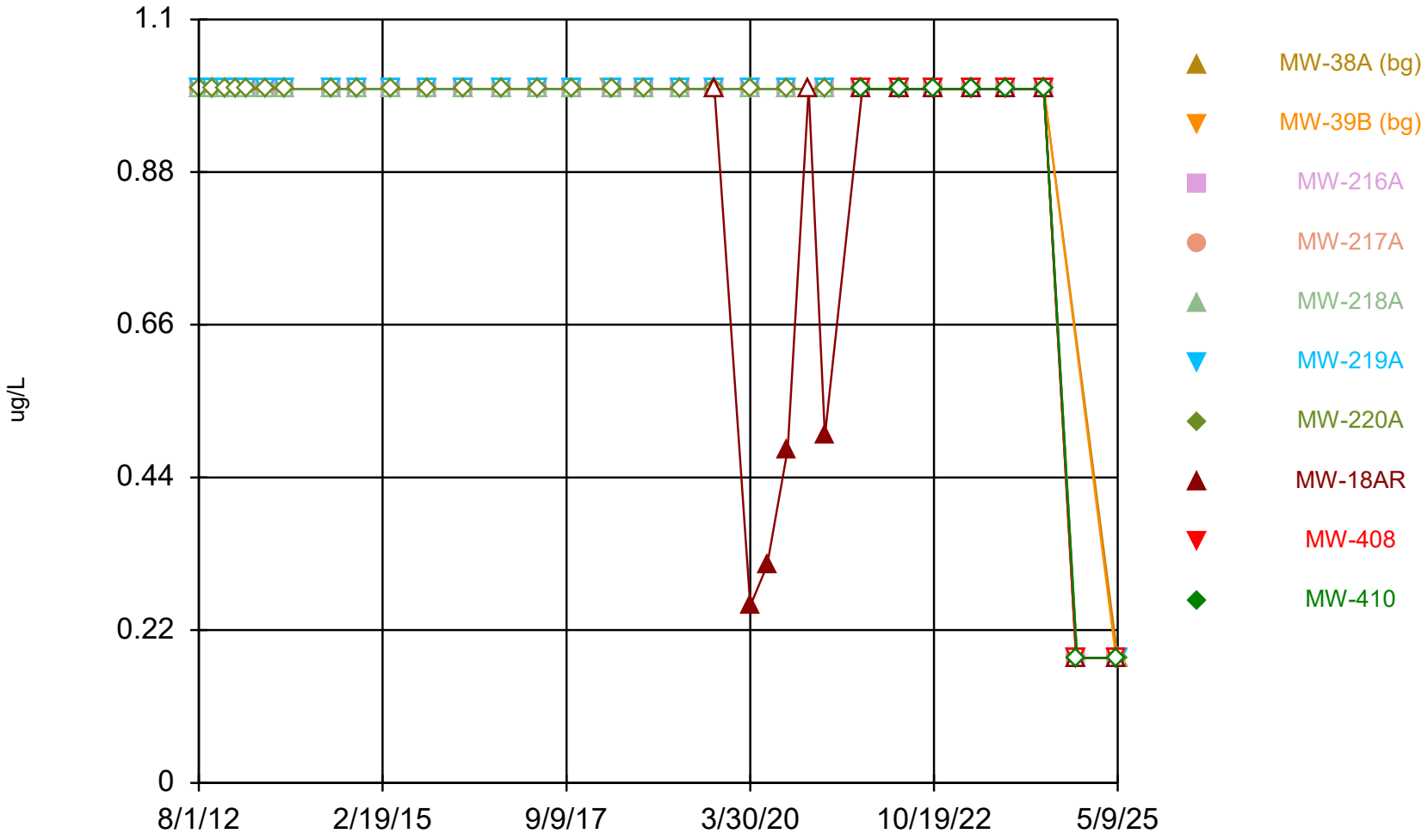

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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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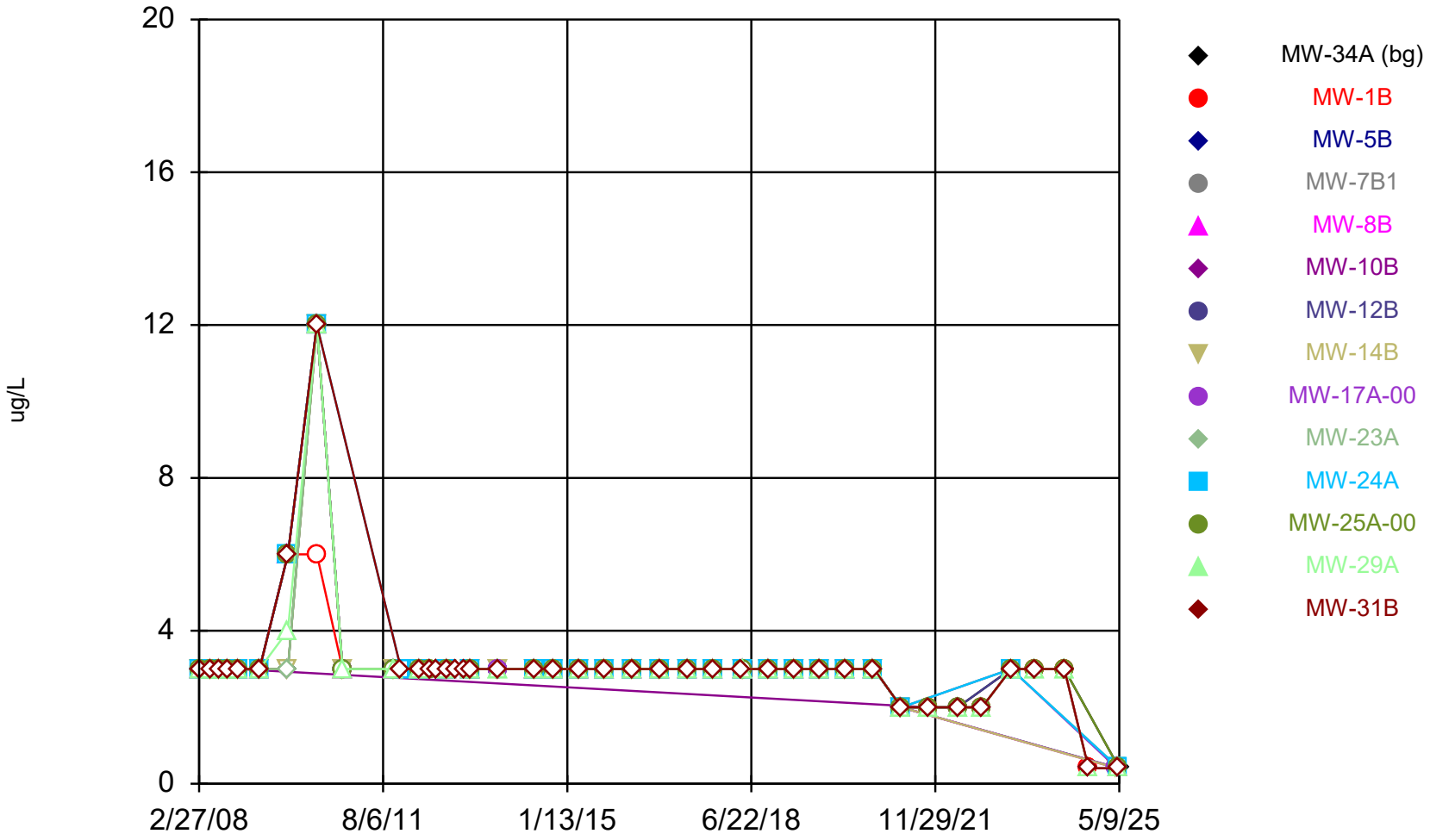

Constituent: Xylenes, Total Analysis Run 7/13/2025 11:43 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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Hollow symbols indicate censored values.

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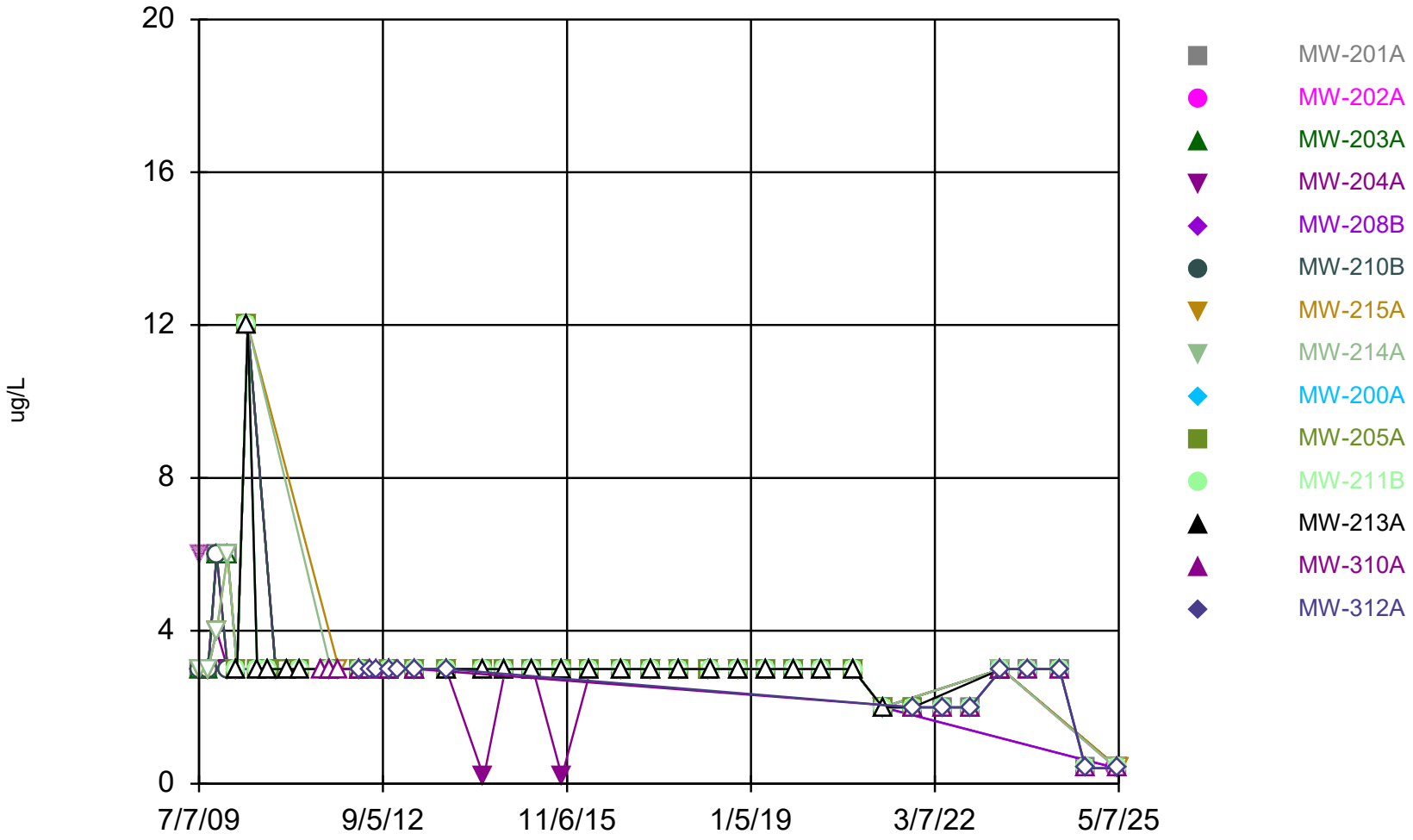

Constituent: Xylenes, Total Analysis Run 7/13/2025 11:43 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
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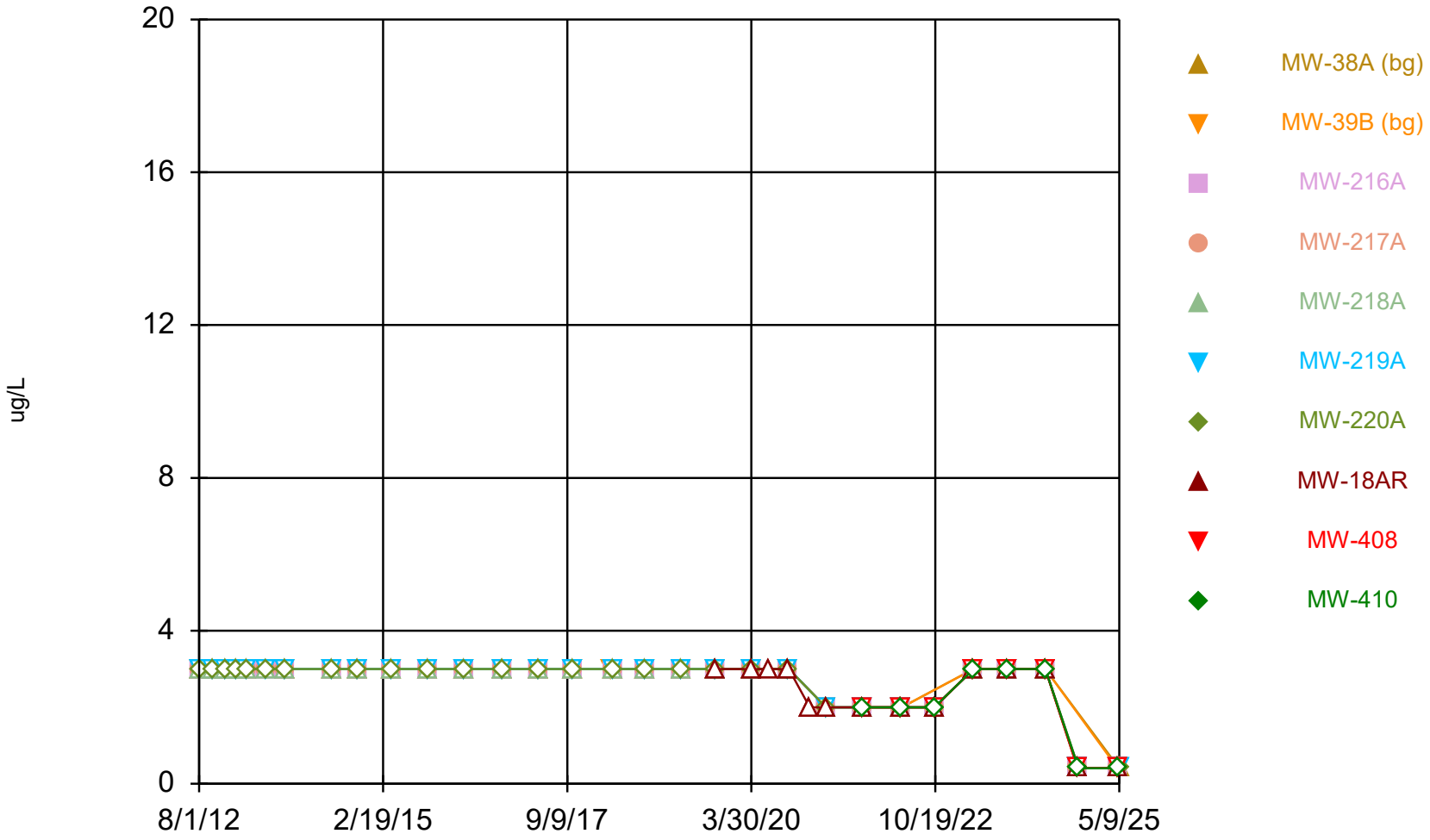

Constituent: Xylenes, Total Analysis Run 7/13/2025 11:43 PM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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Groundwater Monitoring Wells –

Box & Whiskers Plots

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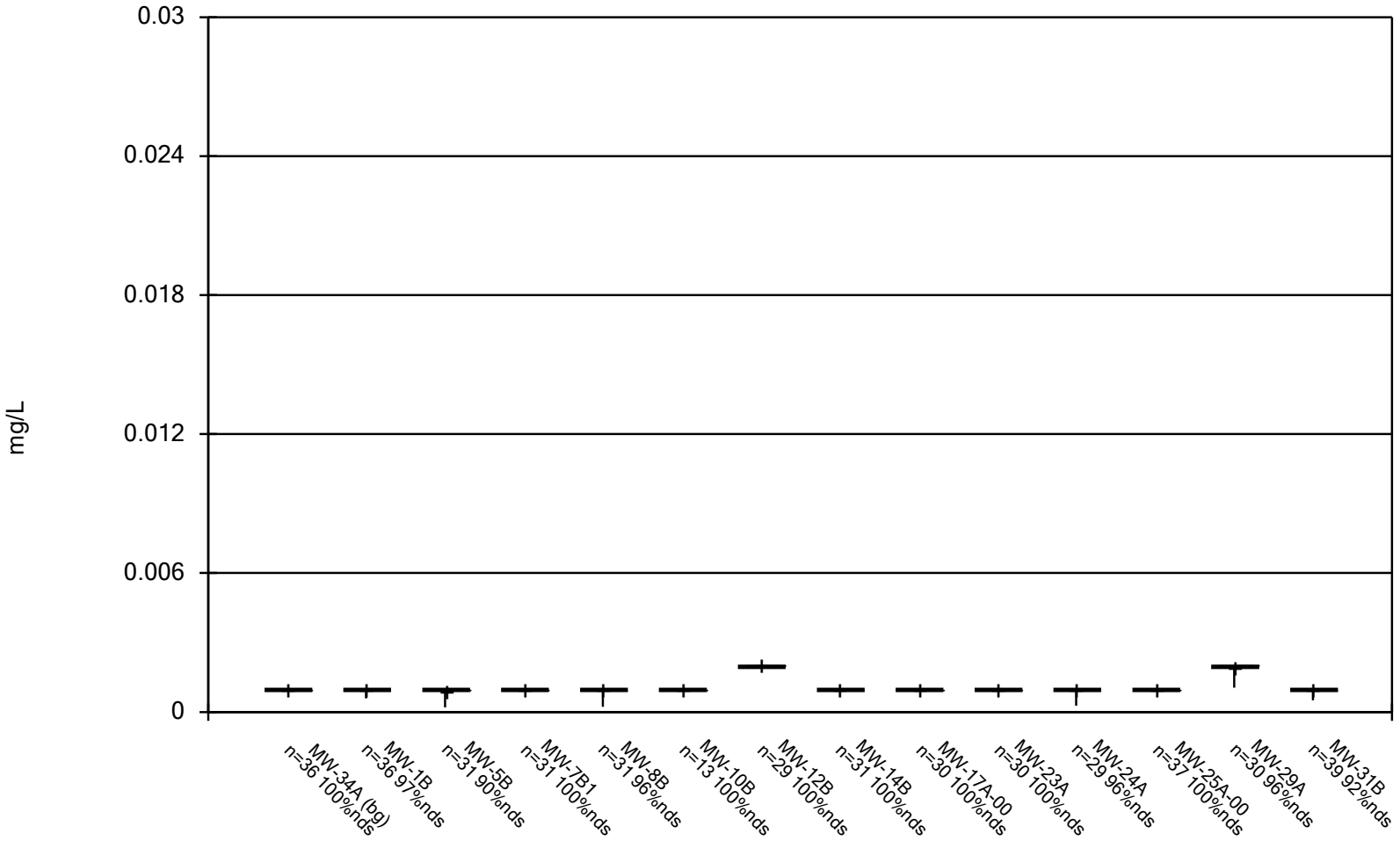
Box & Whiskers Plot



Constituent: Antimony Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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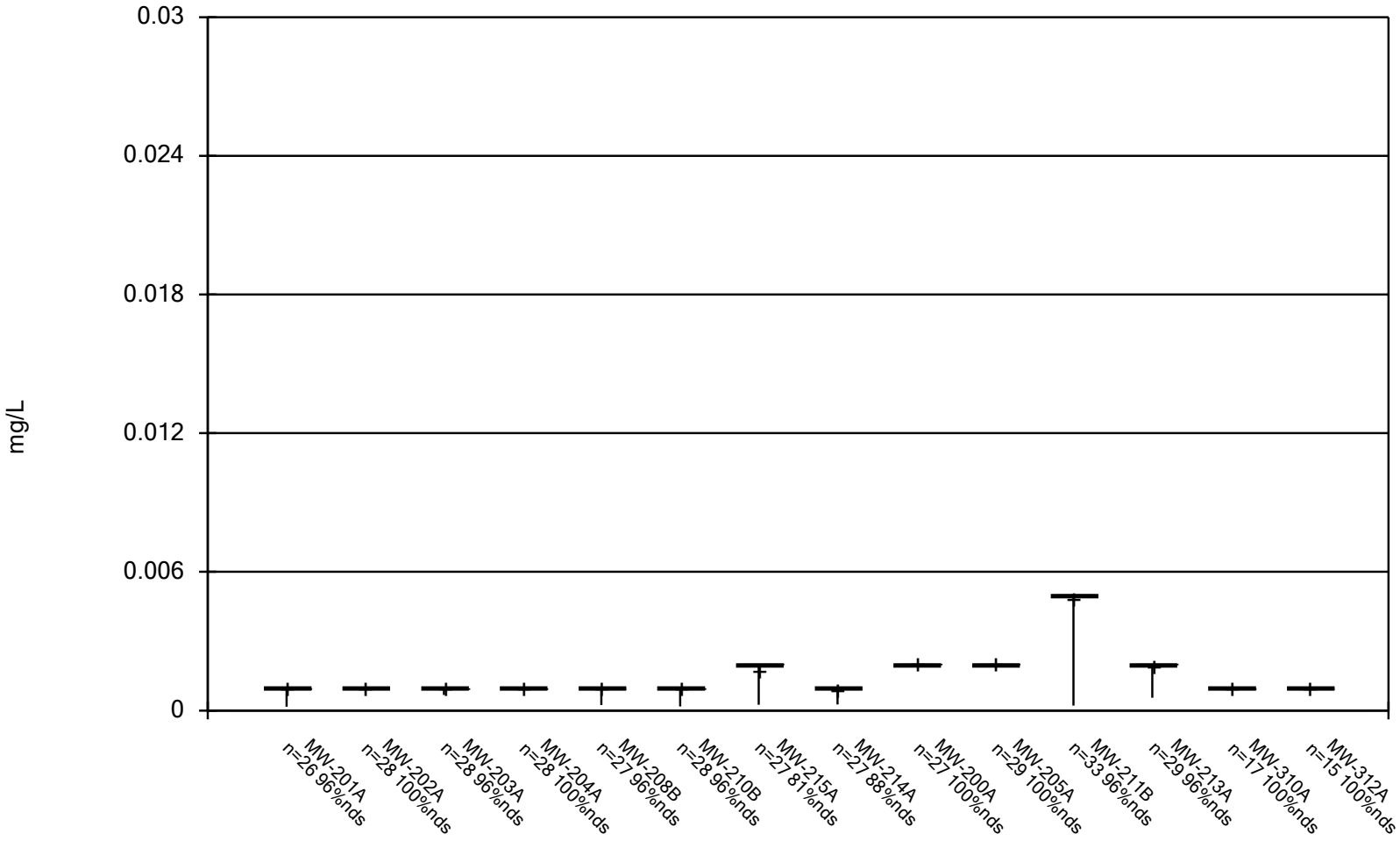
Box & Whiskers Plot



Constituent: Antimony Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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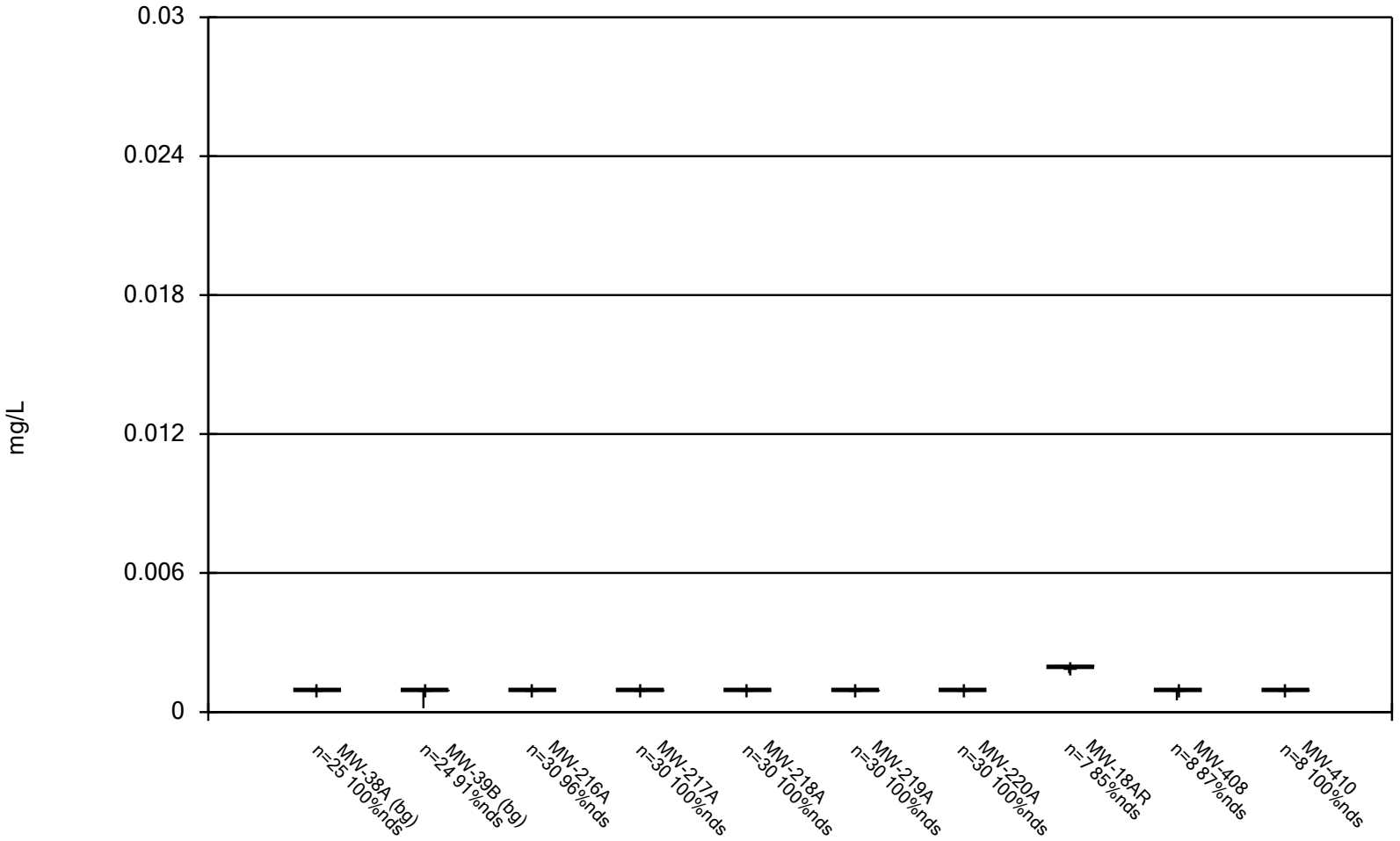
Box & Whiskers Plot



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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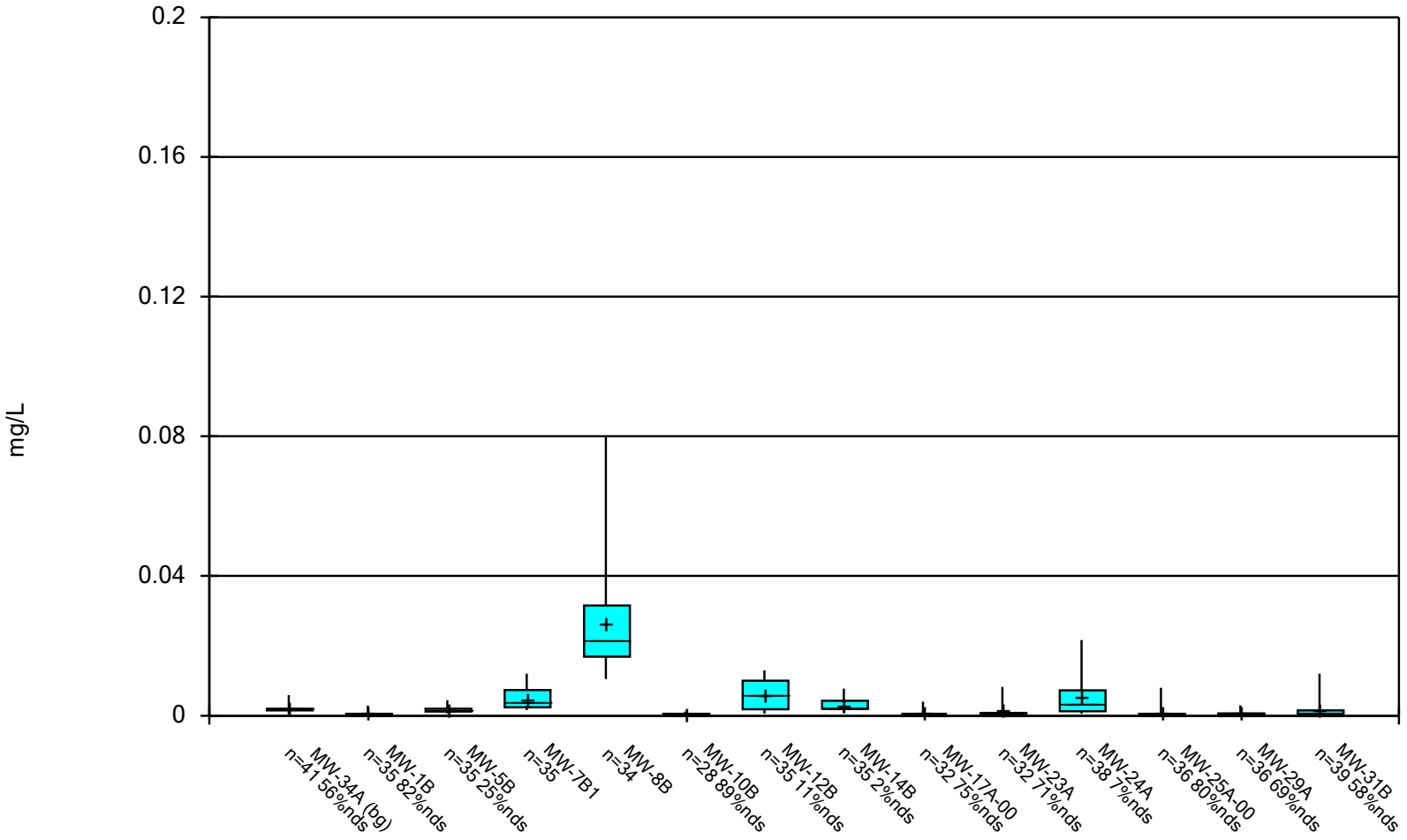
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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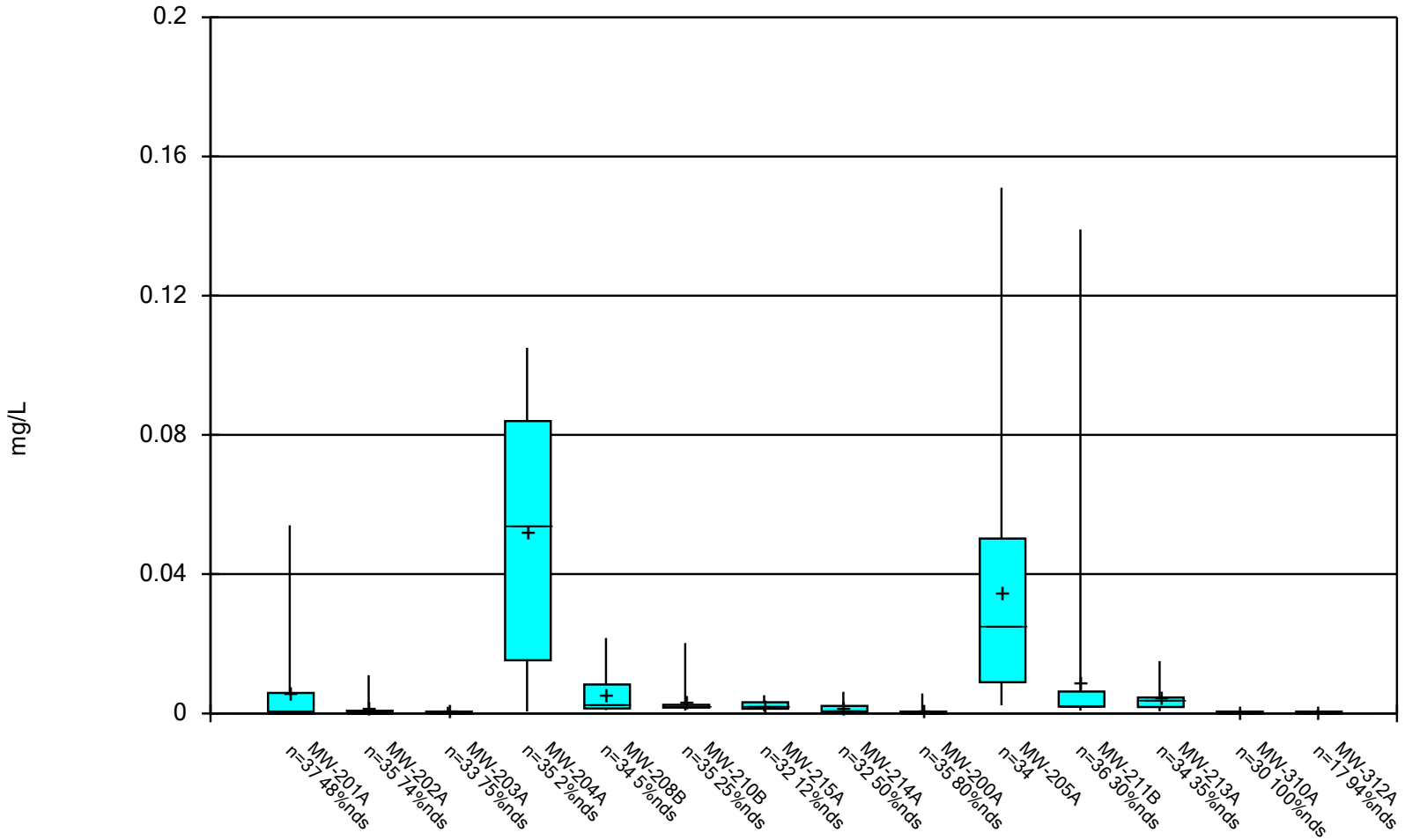
Box & Whiskers Plot



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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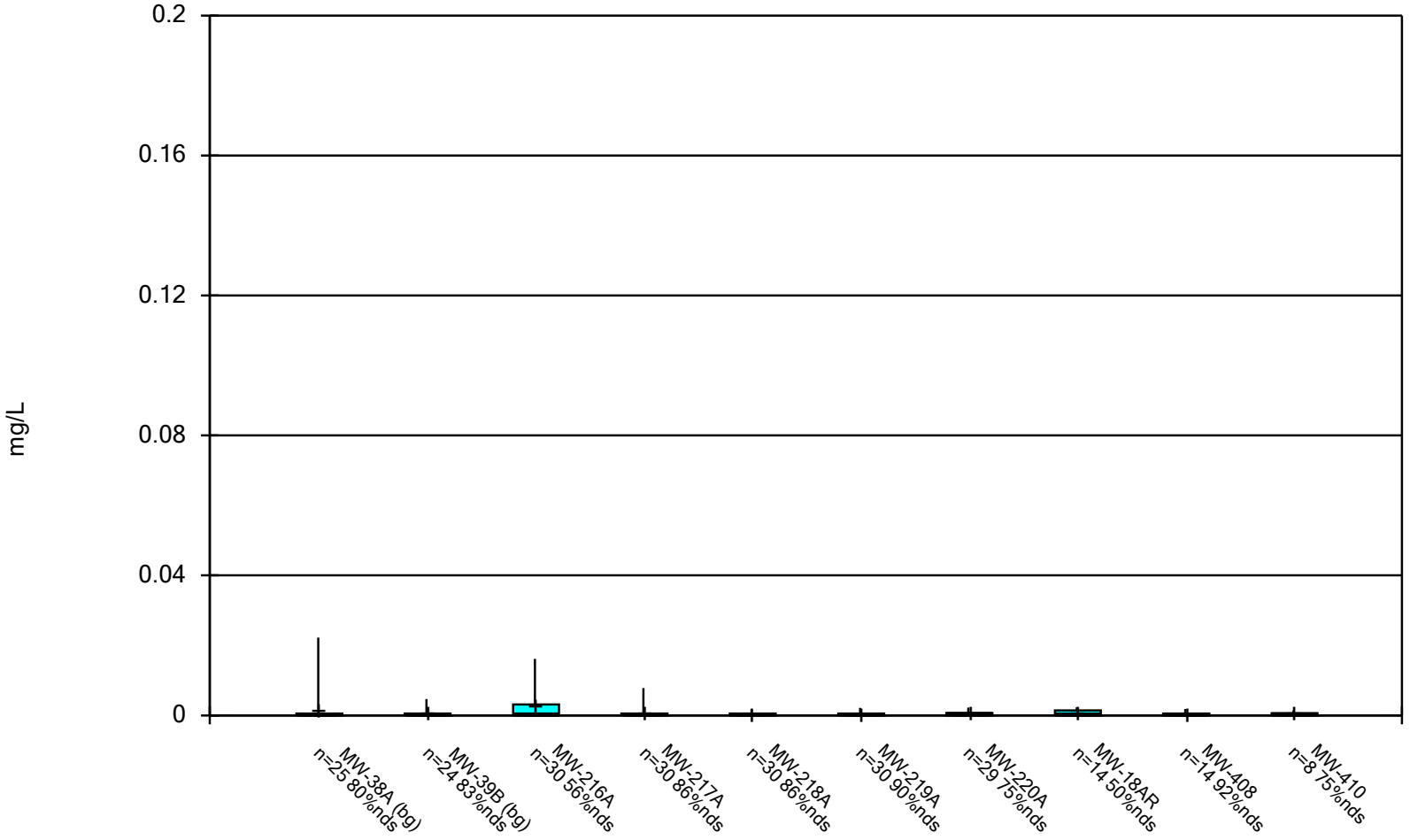
Box & Whiskers Plot



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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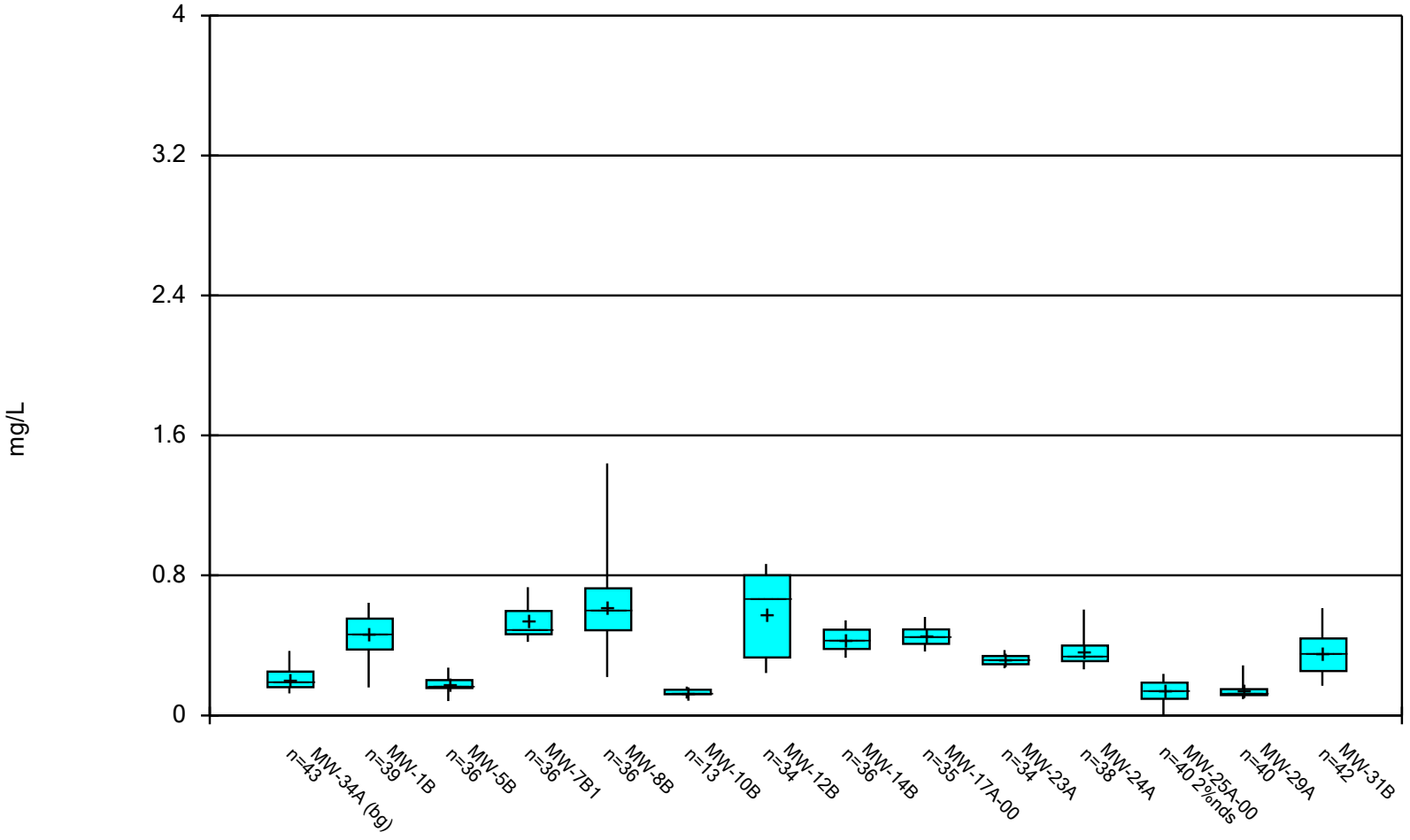
Box & Whiskers Plot



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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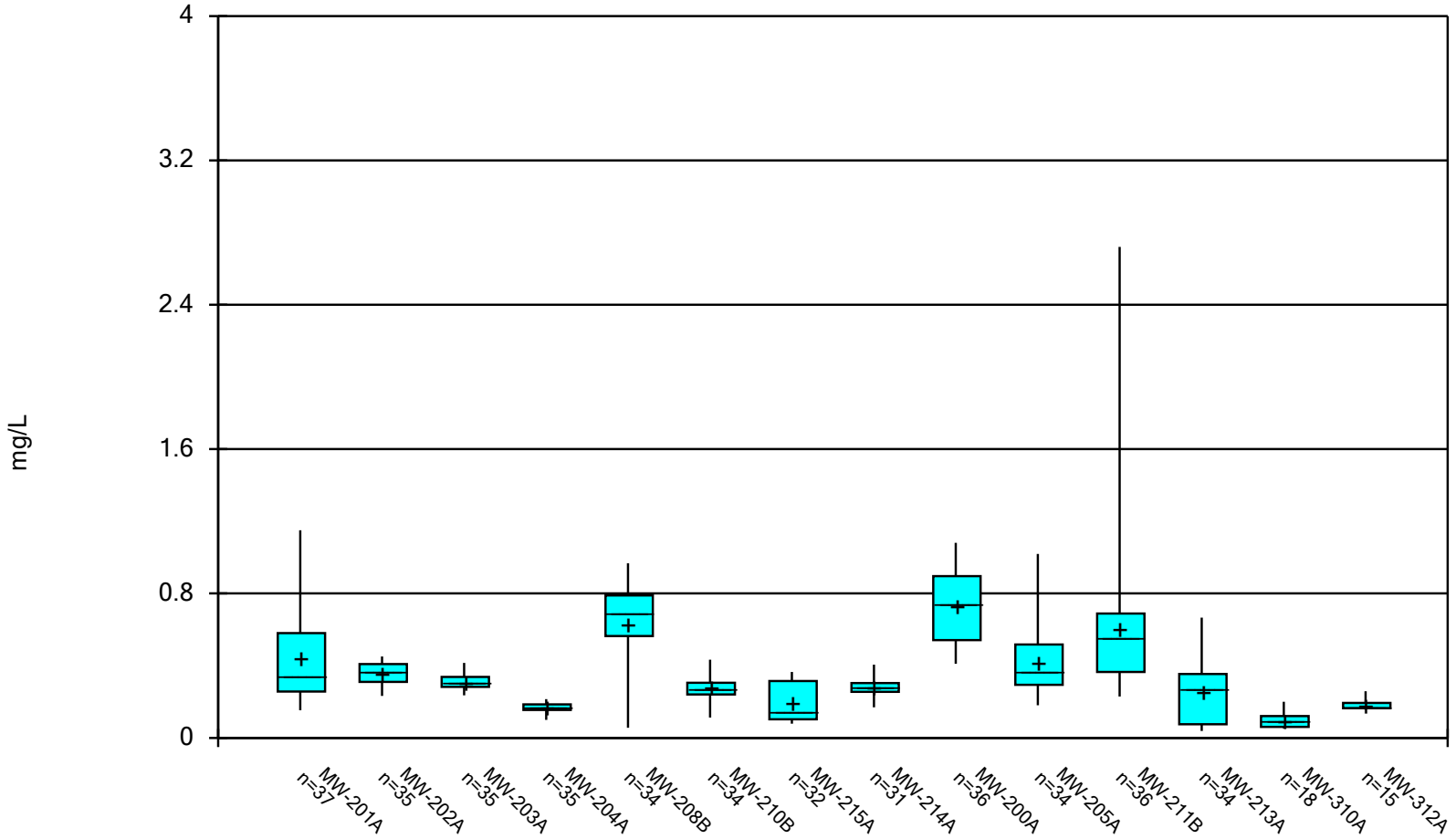
Box & Whiskers Plot



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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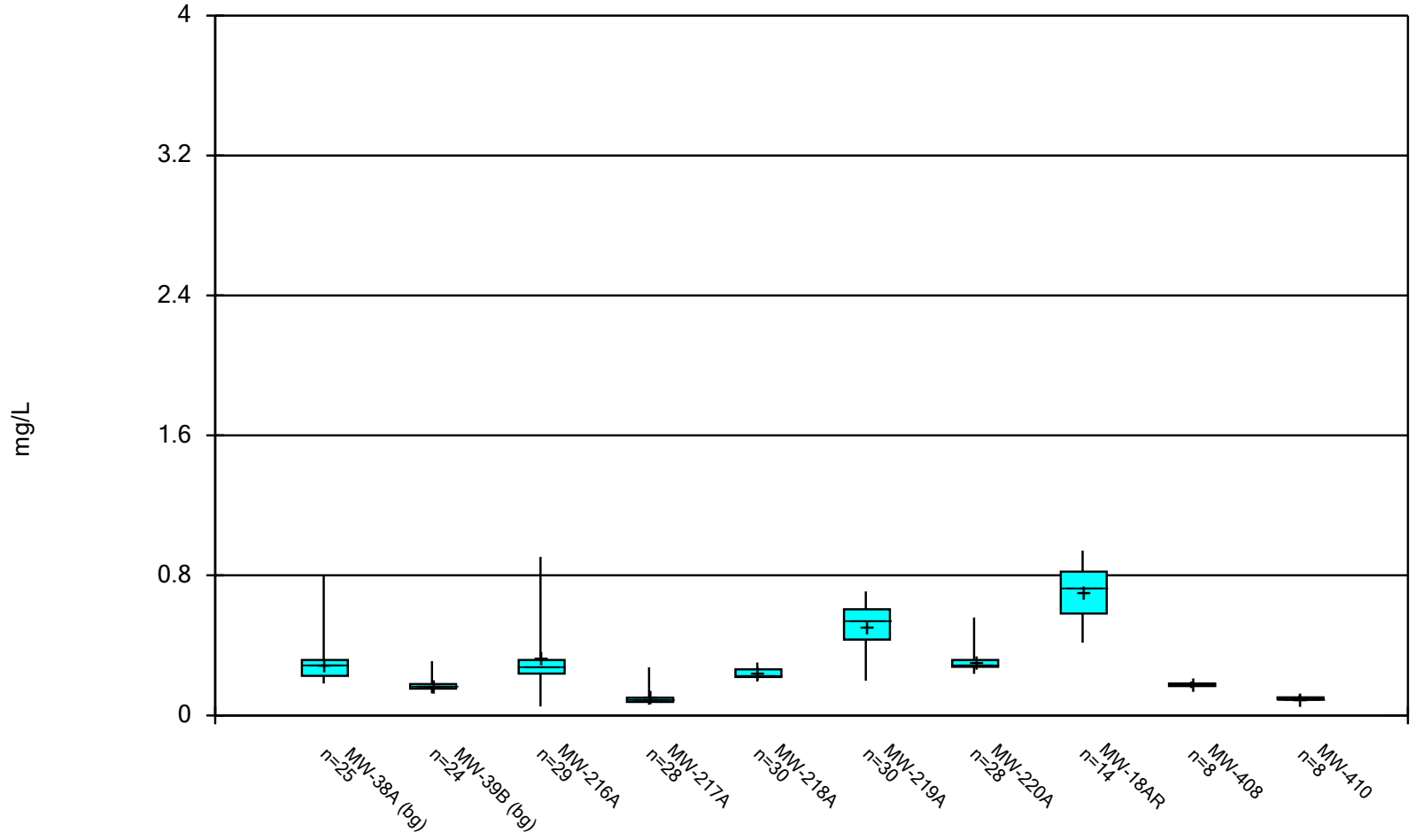
Box & Whiskers Plot



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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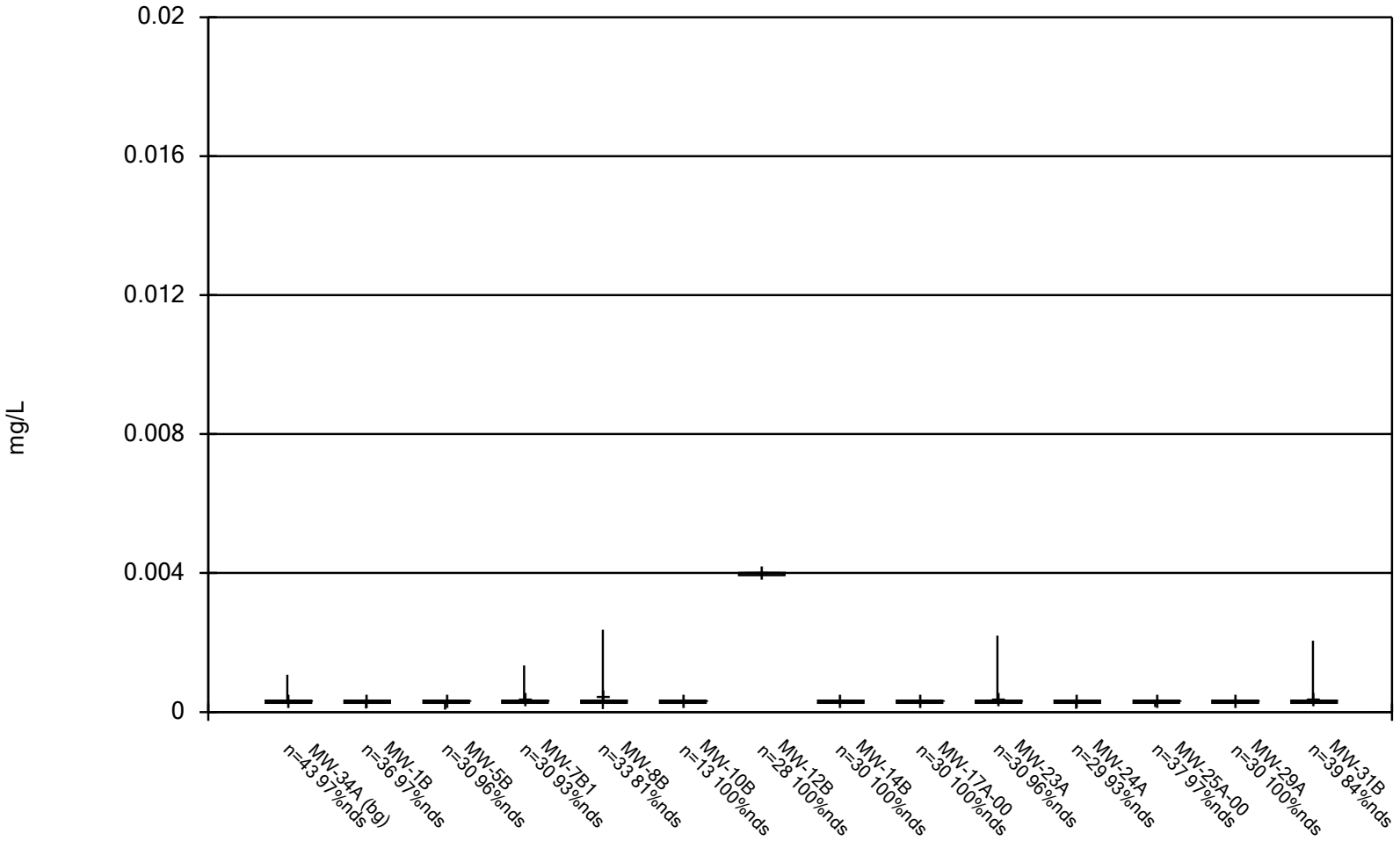
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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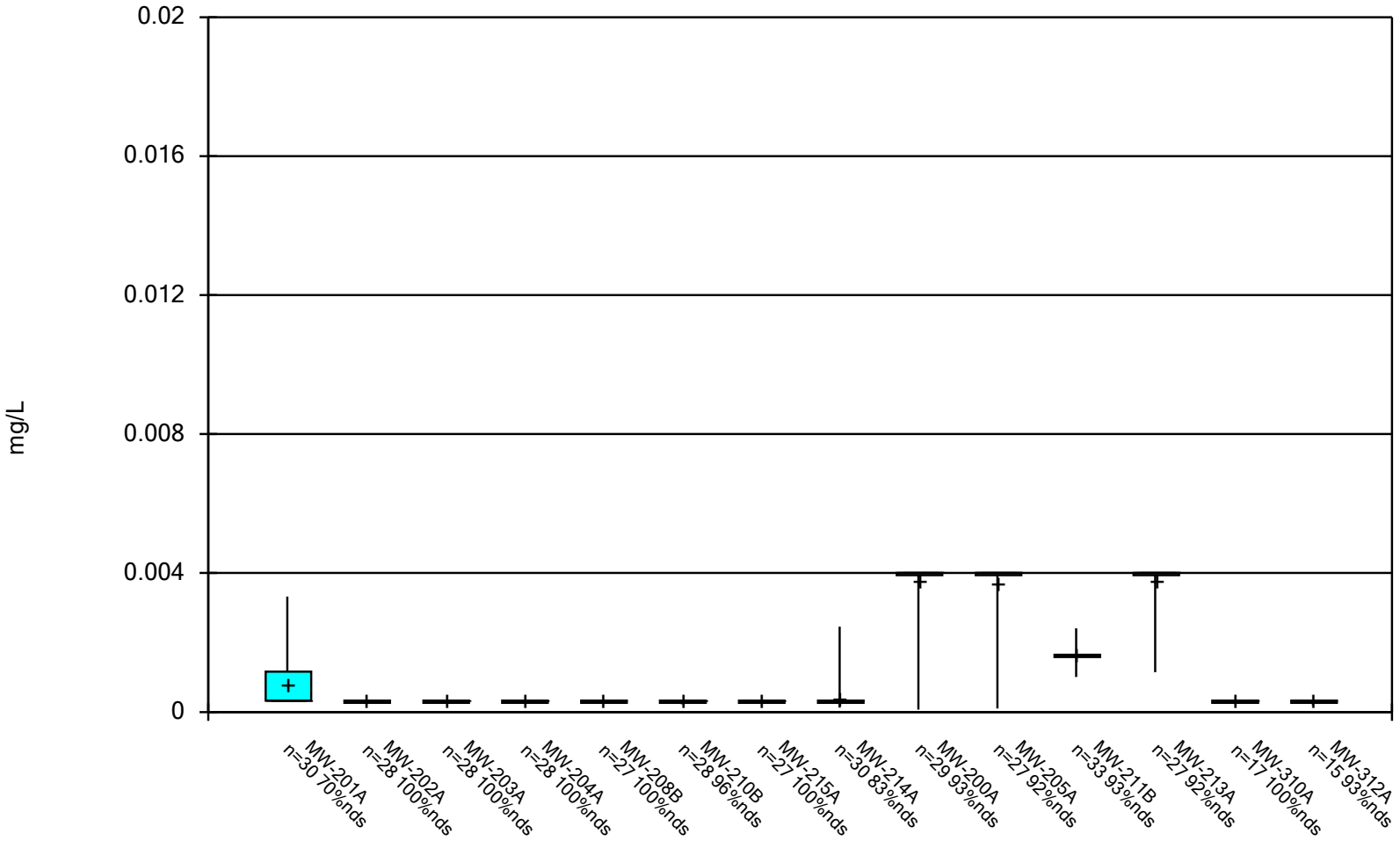
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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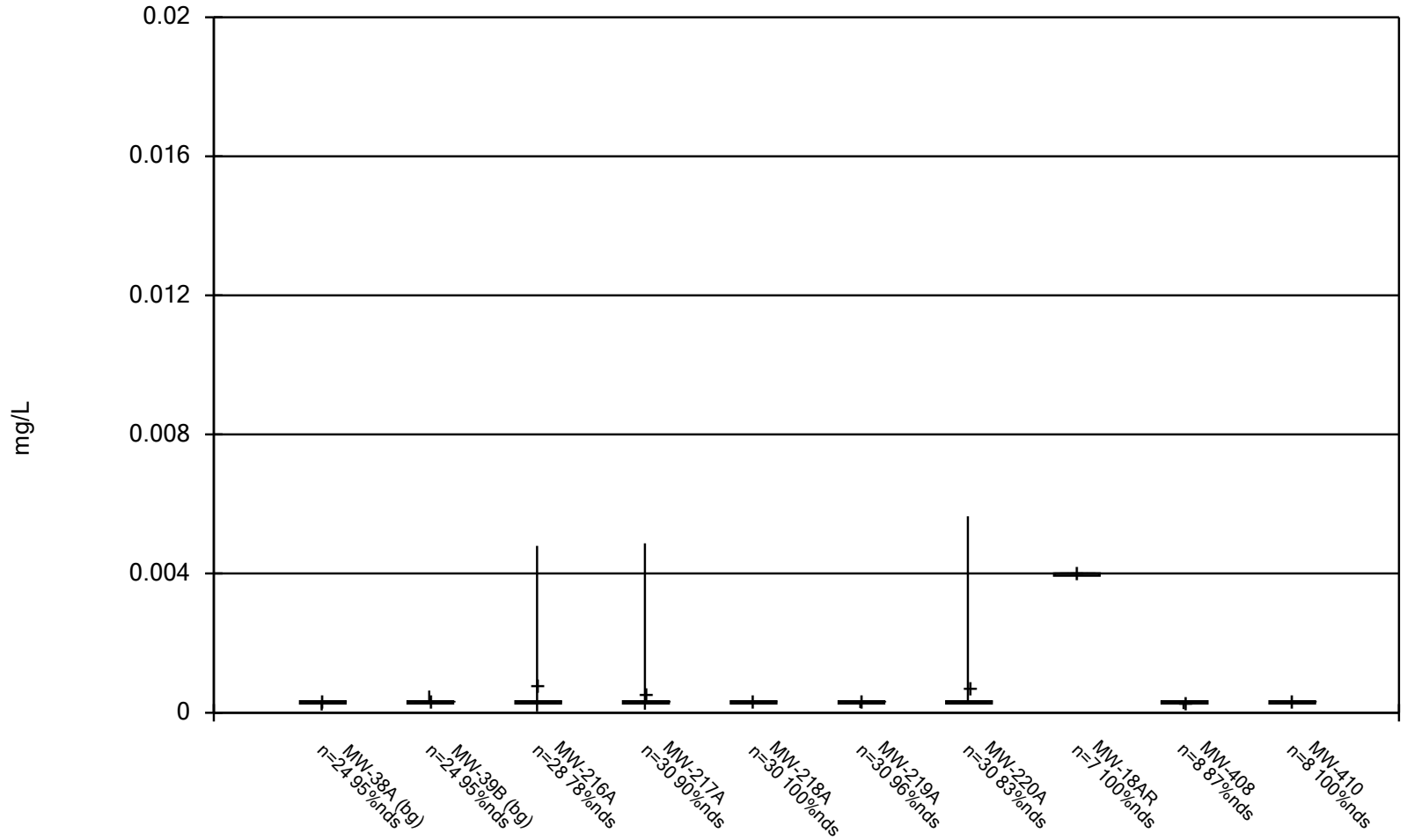
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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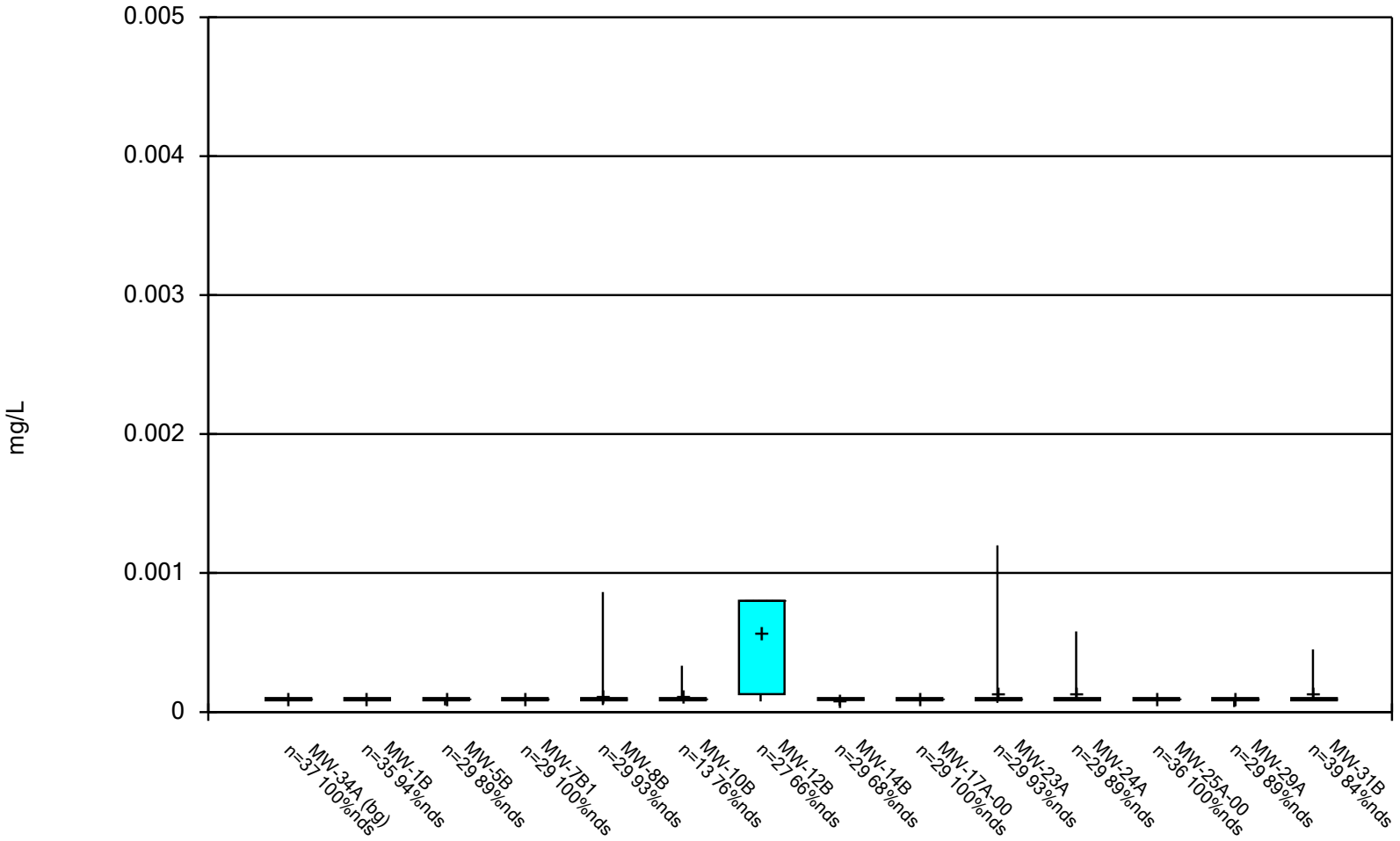
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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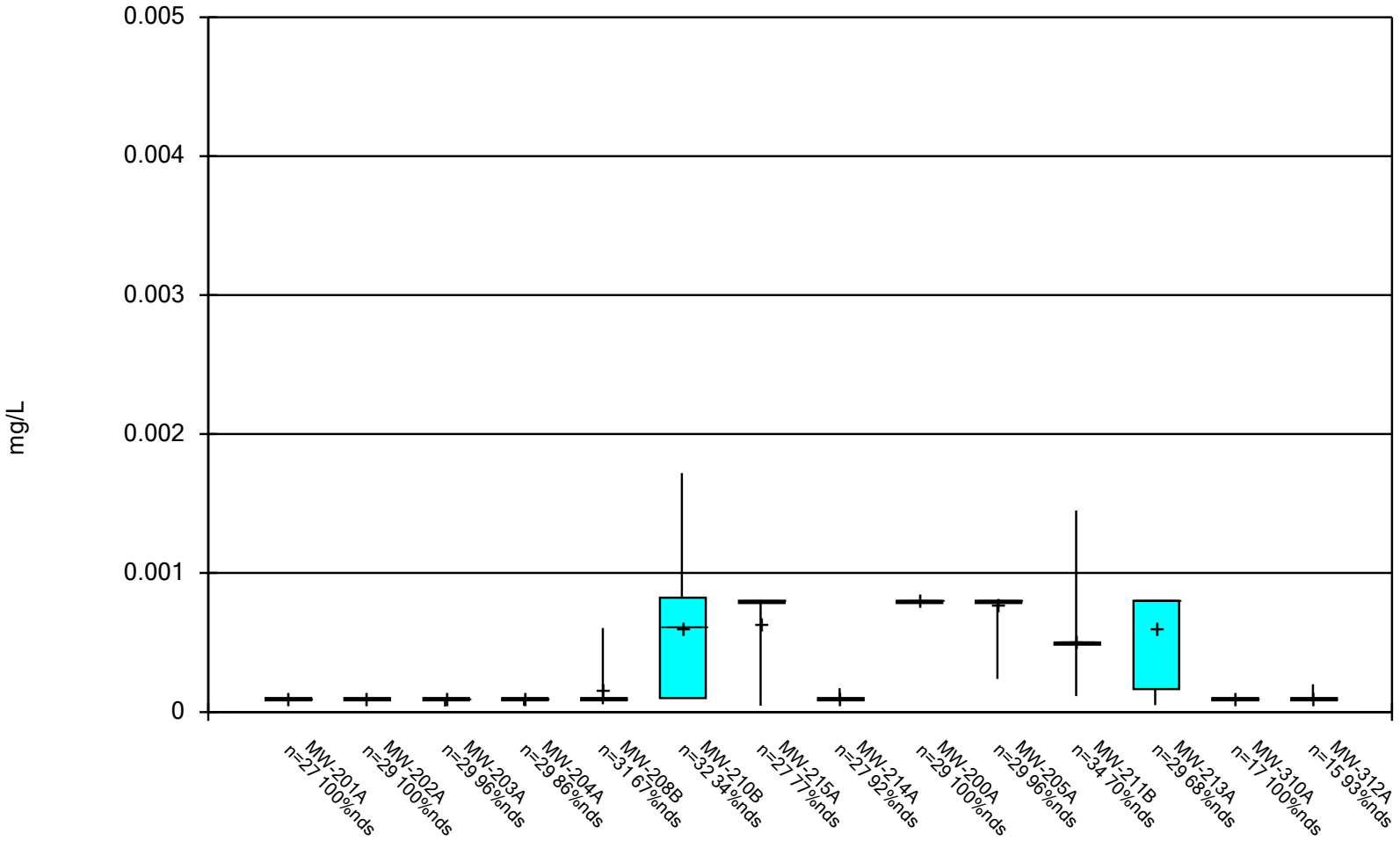
Box & Whiskers Plot



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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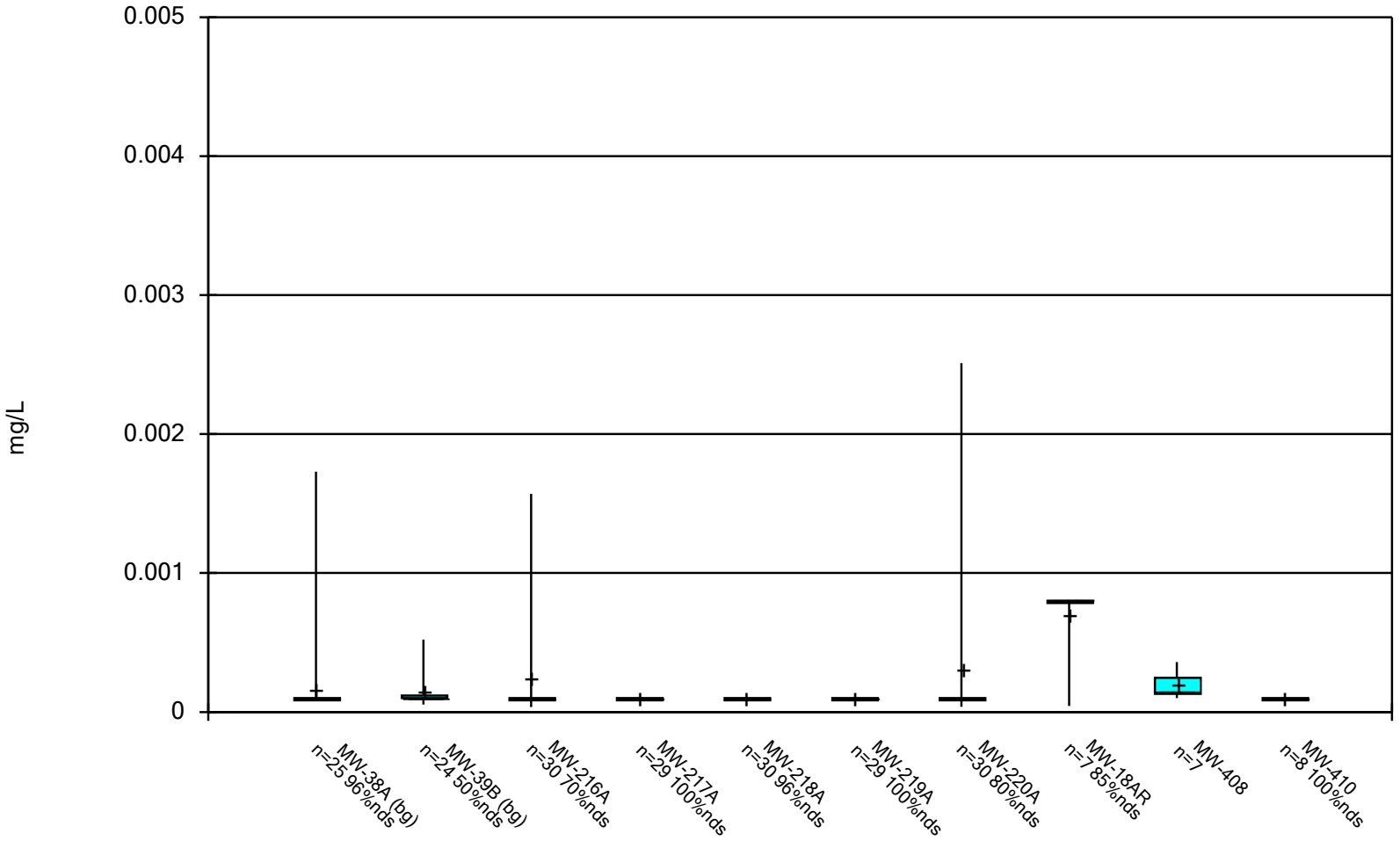
Box & Whiskers Plot



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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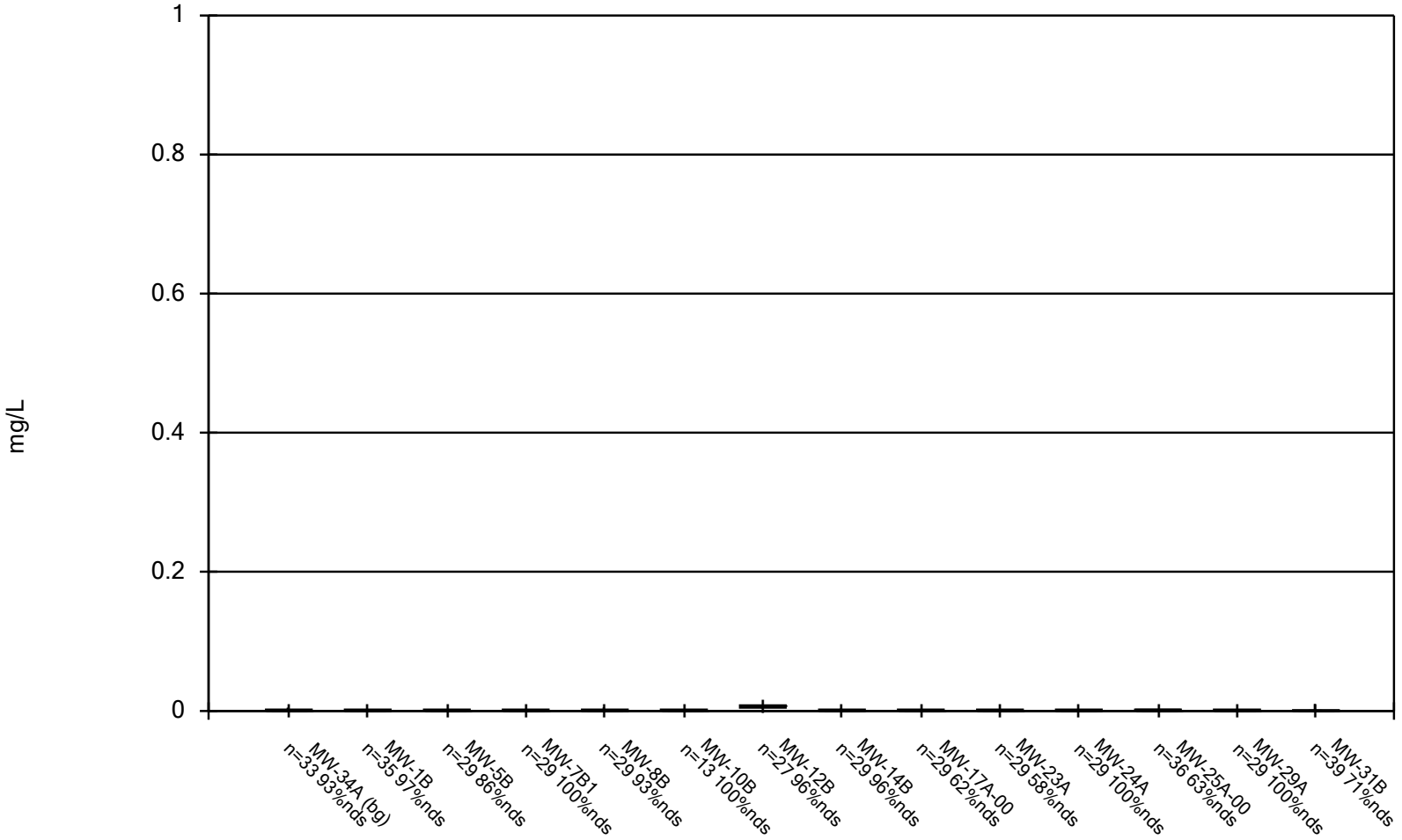
Box & Whiskers Plot



Constituent: Chromium Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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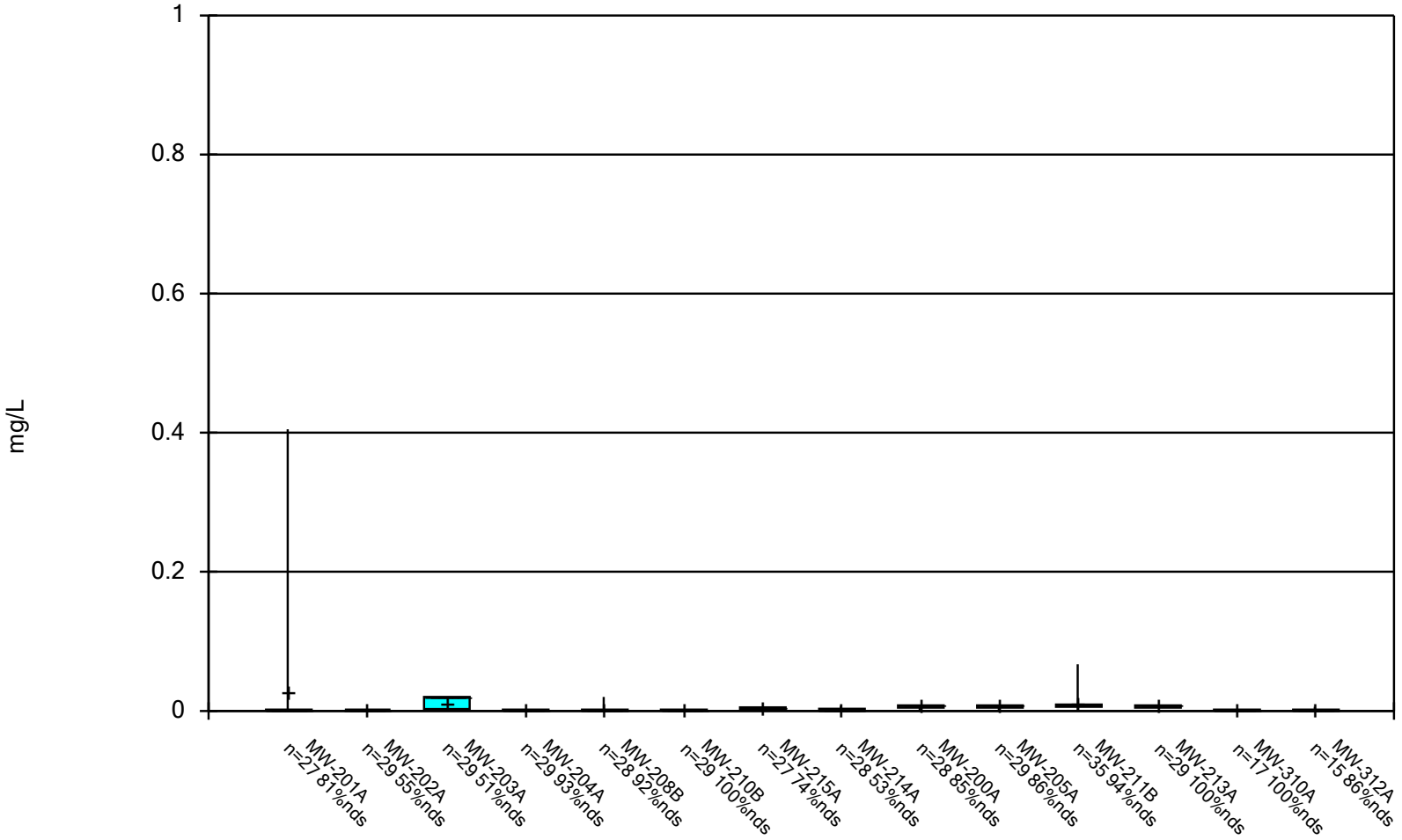
Box & Whiskers Plot



Constituent: Chromium Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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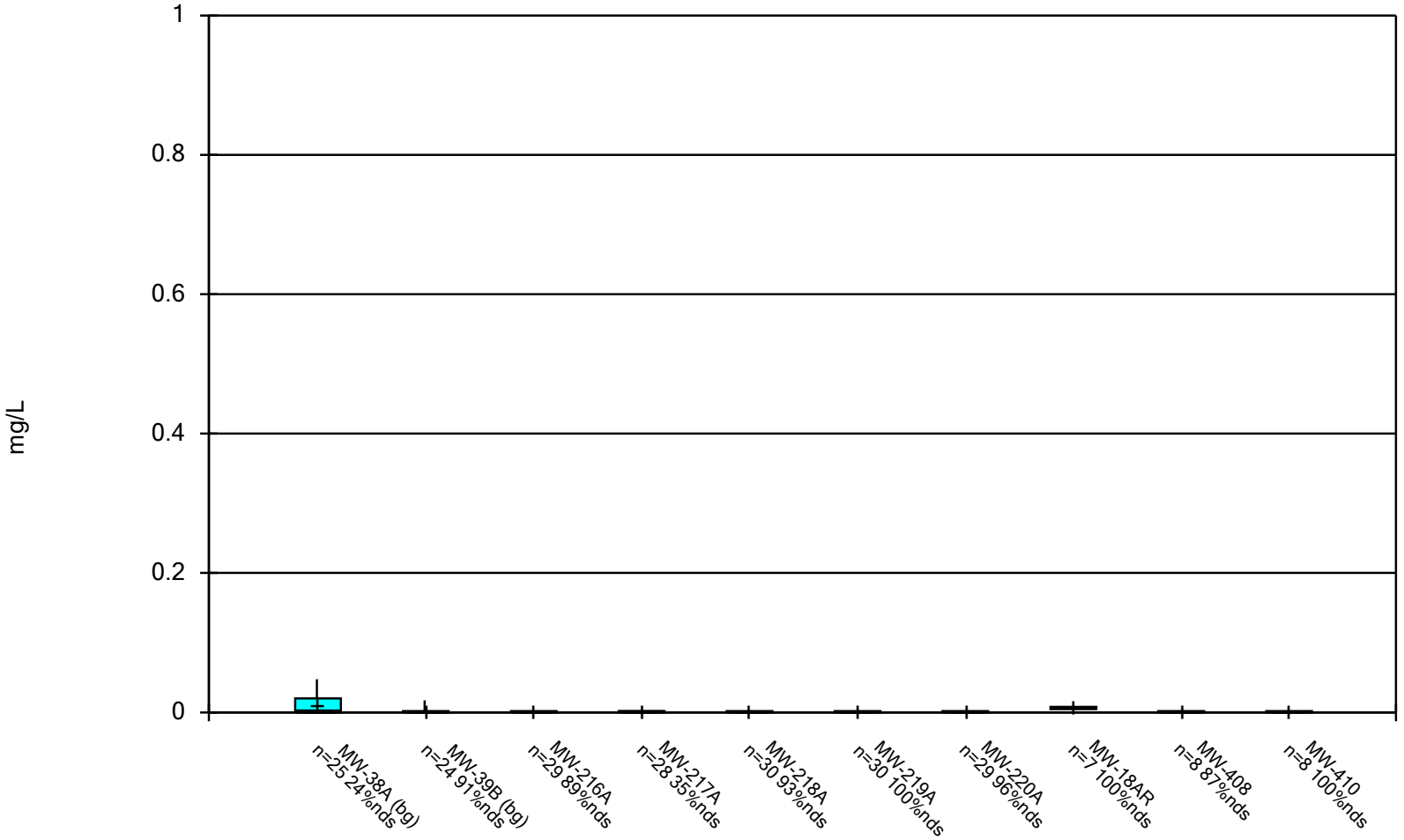
Box & Whiskers Plot



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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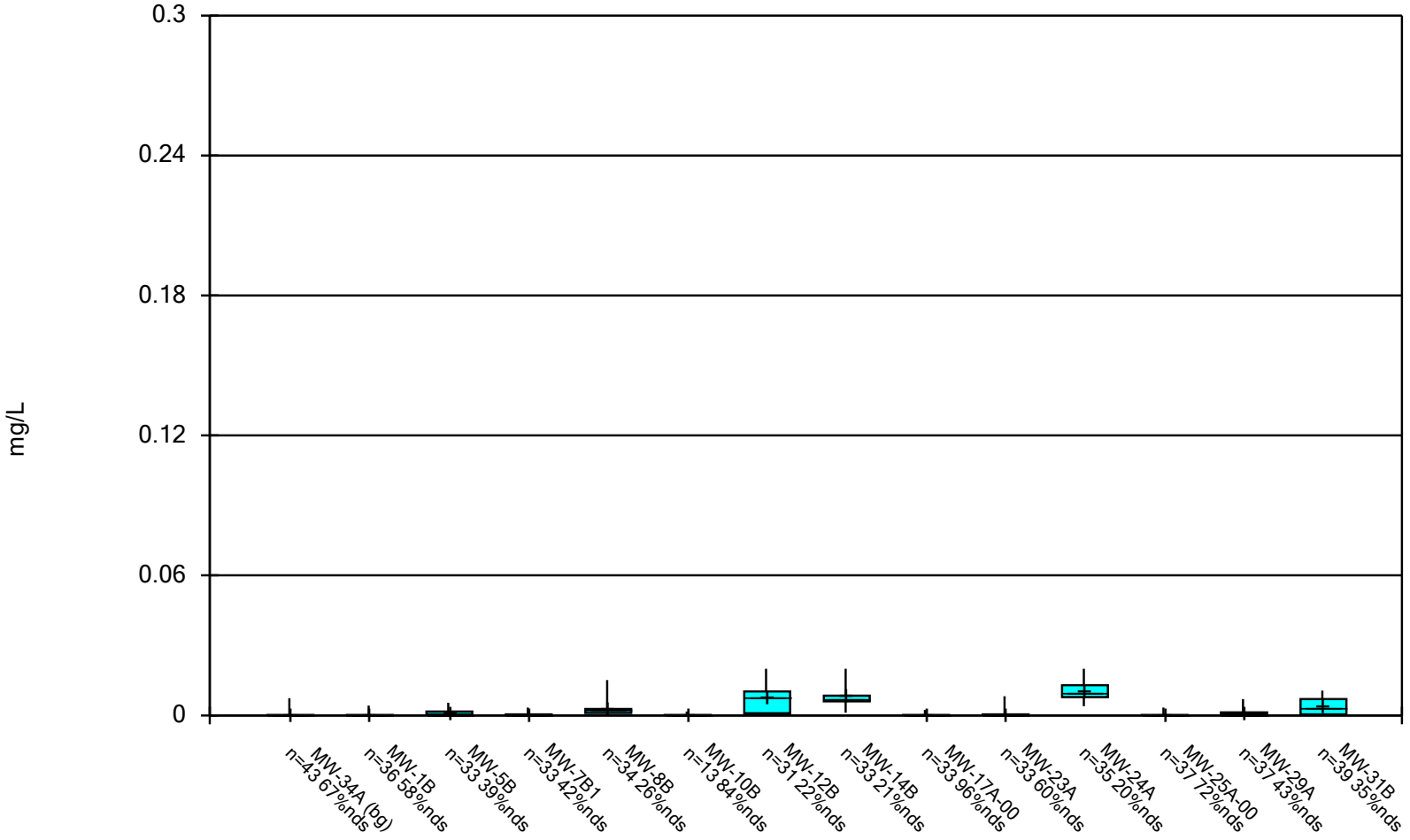
Box & Whiskers Plot

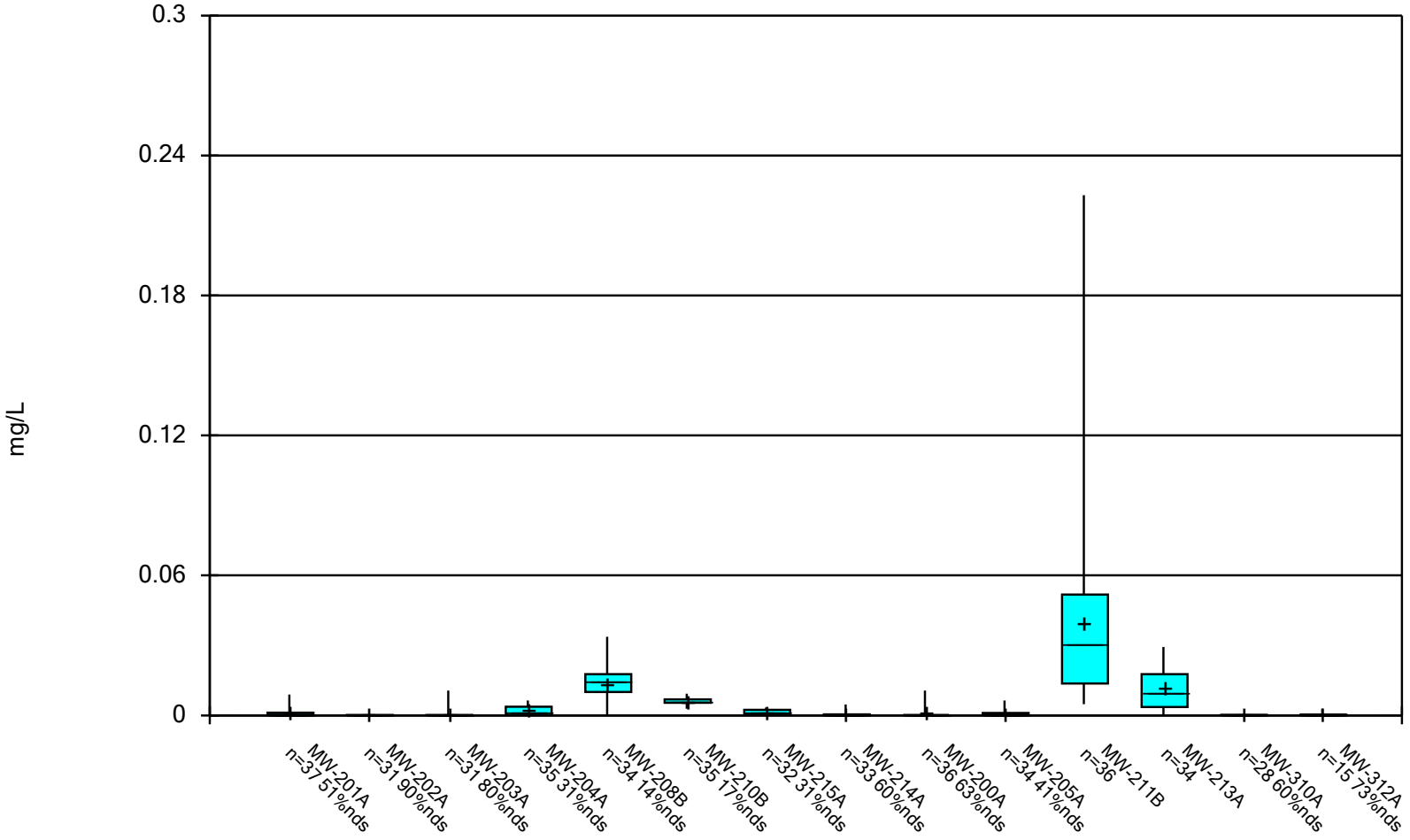


Constituent: Cobalt Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



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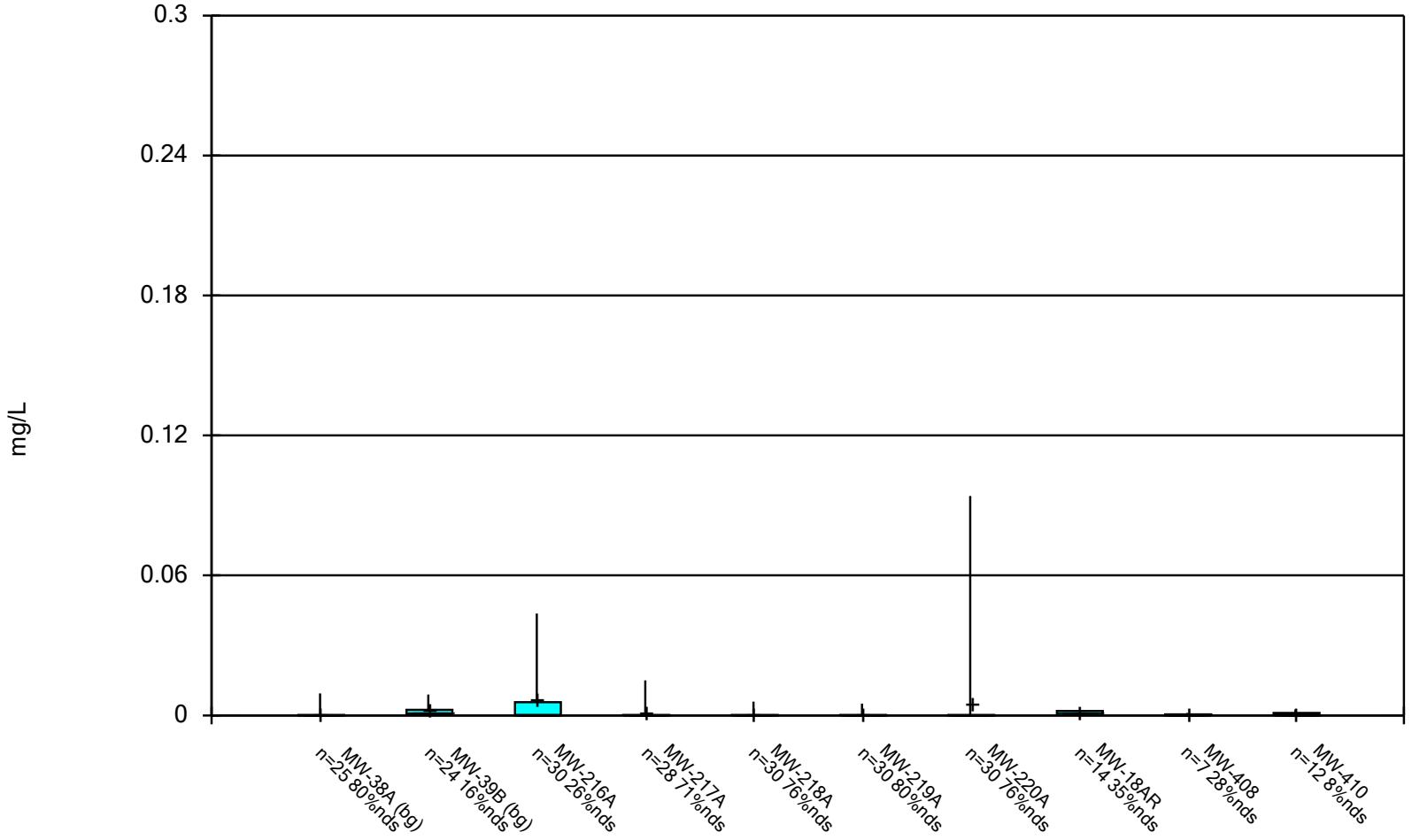
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

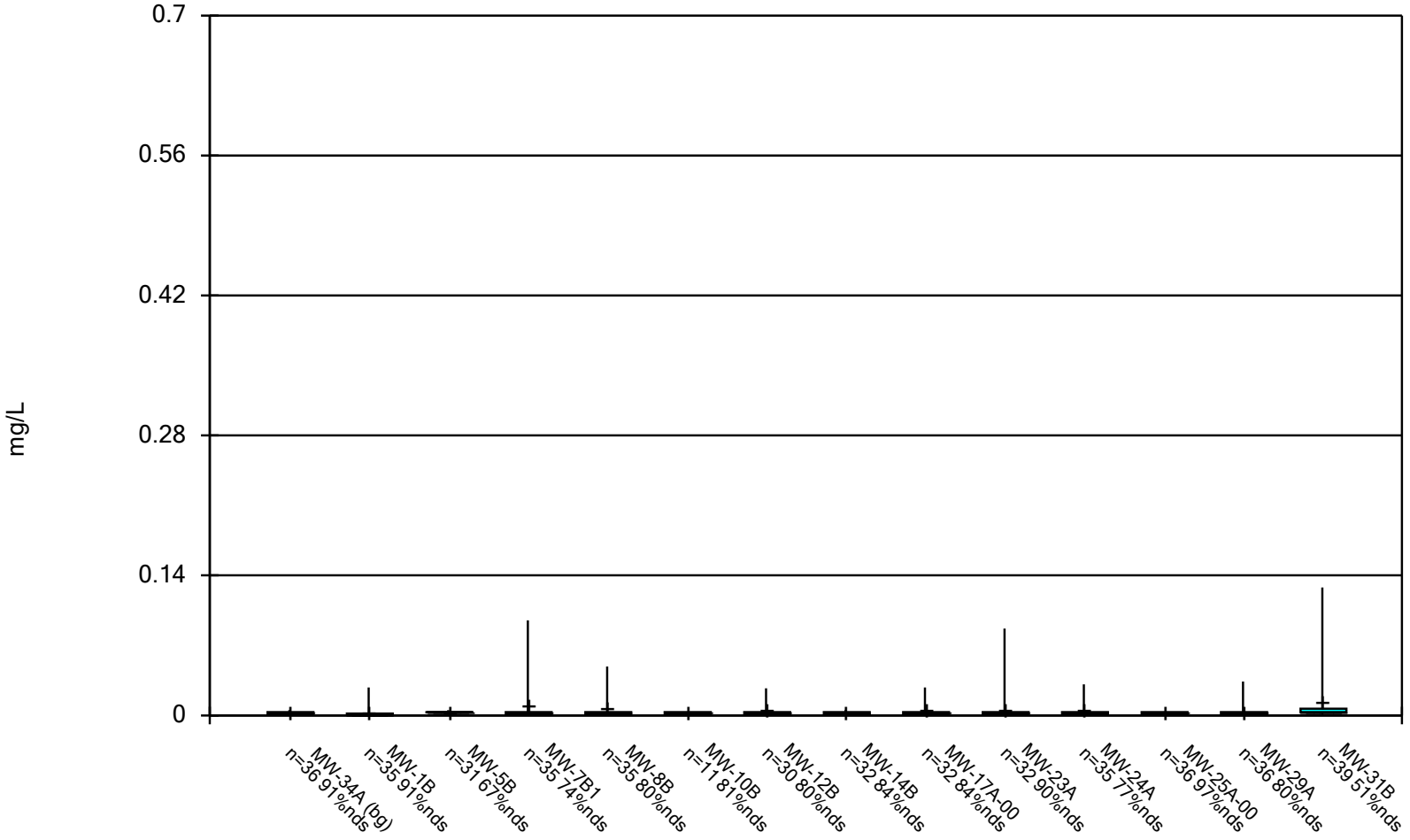


Constituent: Cobalt Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: Copper Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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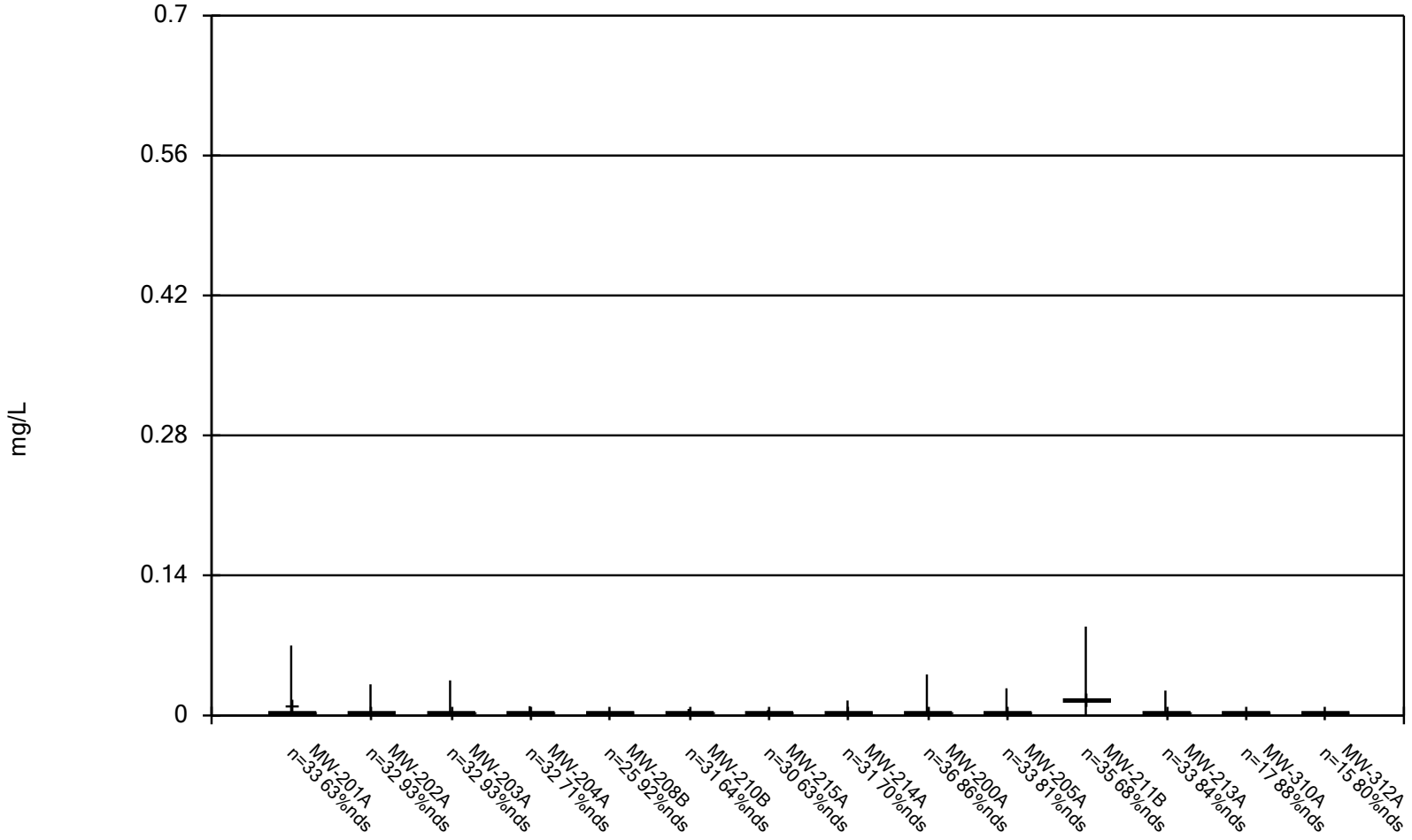
Box & Whiskers Plot



Constituent: Copper Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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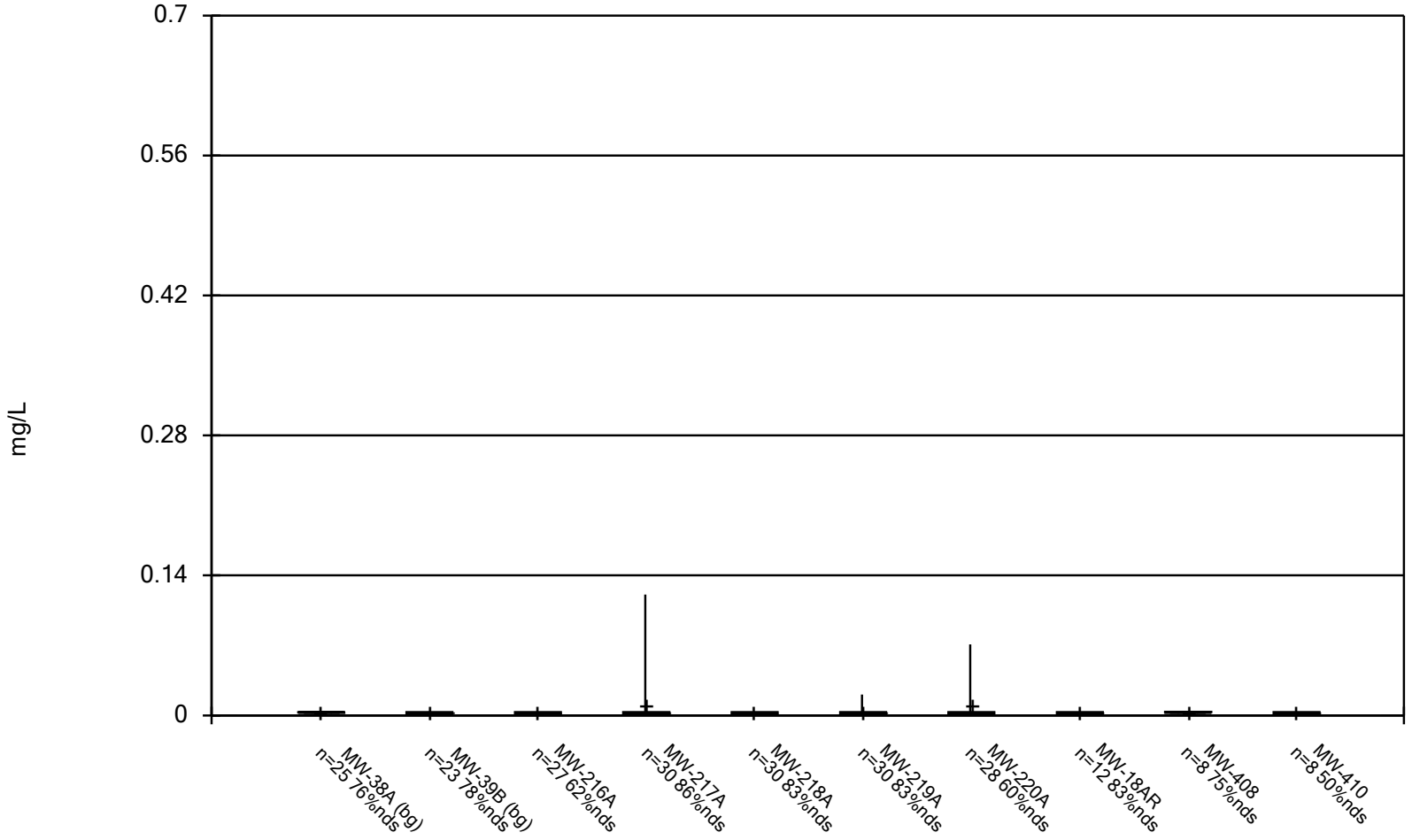
Box & Whiskers Plot



Constituent: Copper Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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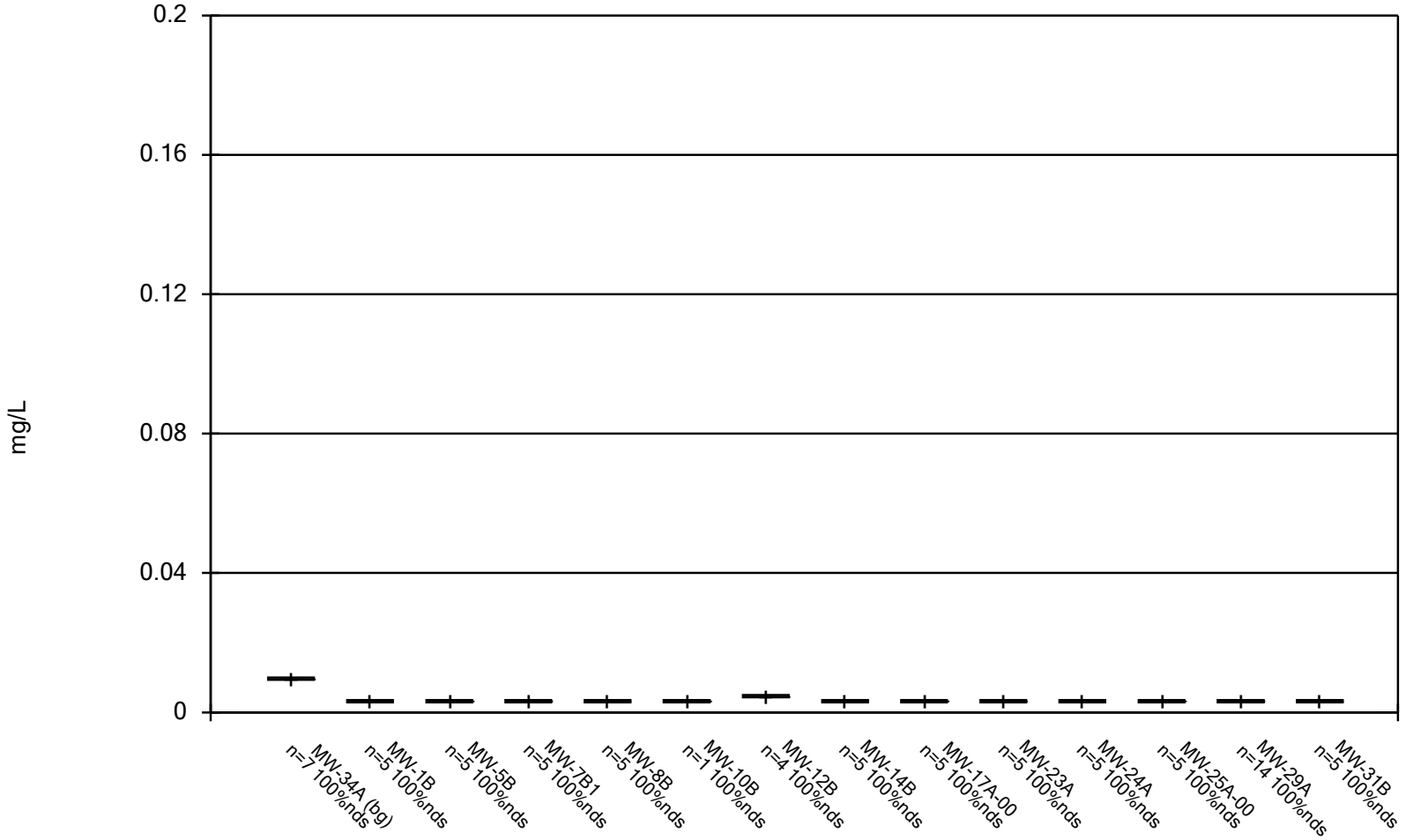
Box & Whiskers Plot



Constituent: Cyanide Analysis Run 7/13/2025 8:15 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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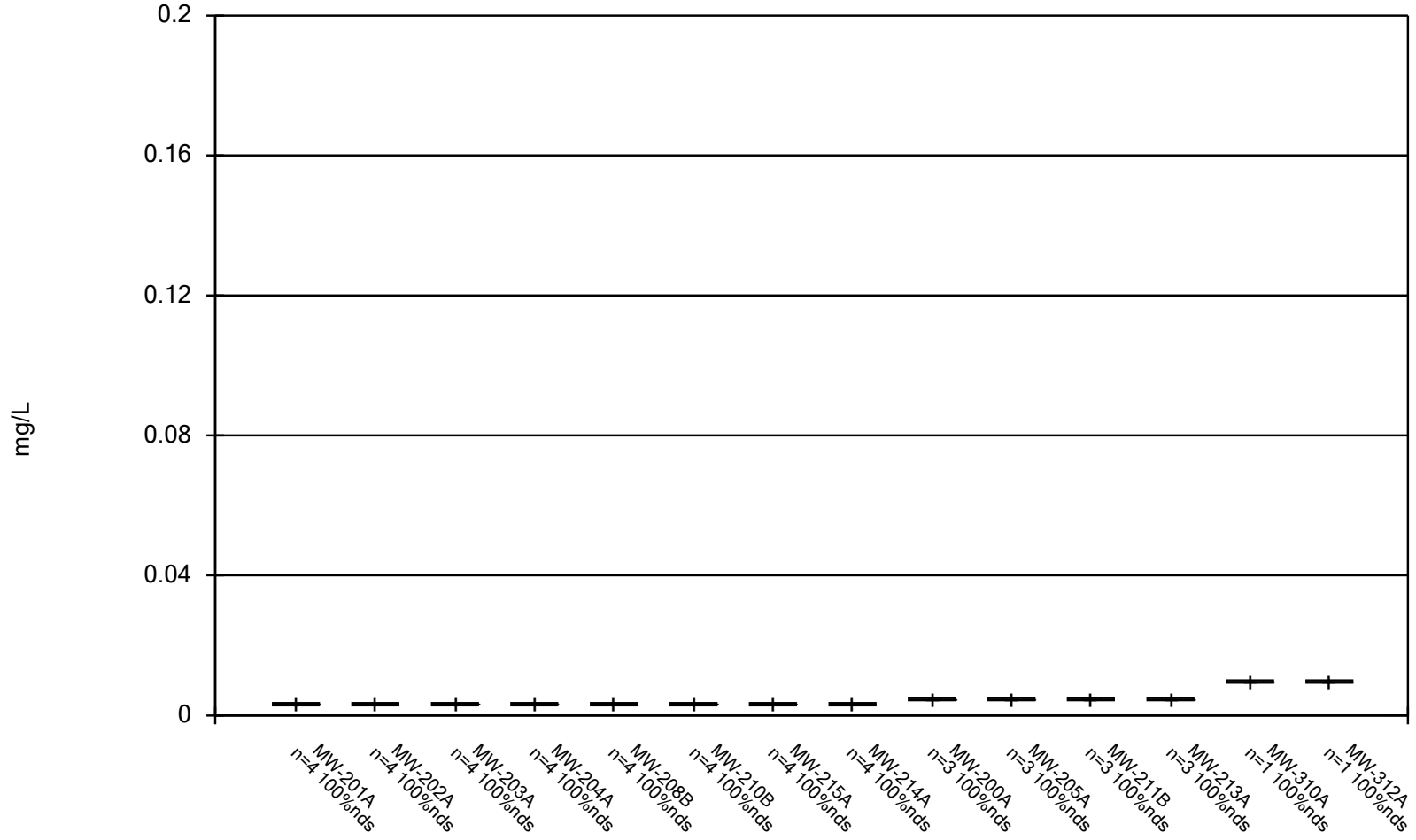
Box & Whiskers Plot



Constituent: Cyanide Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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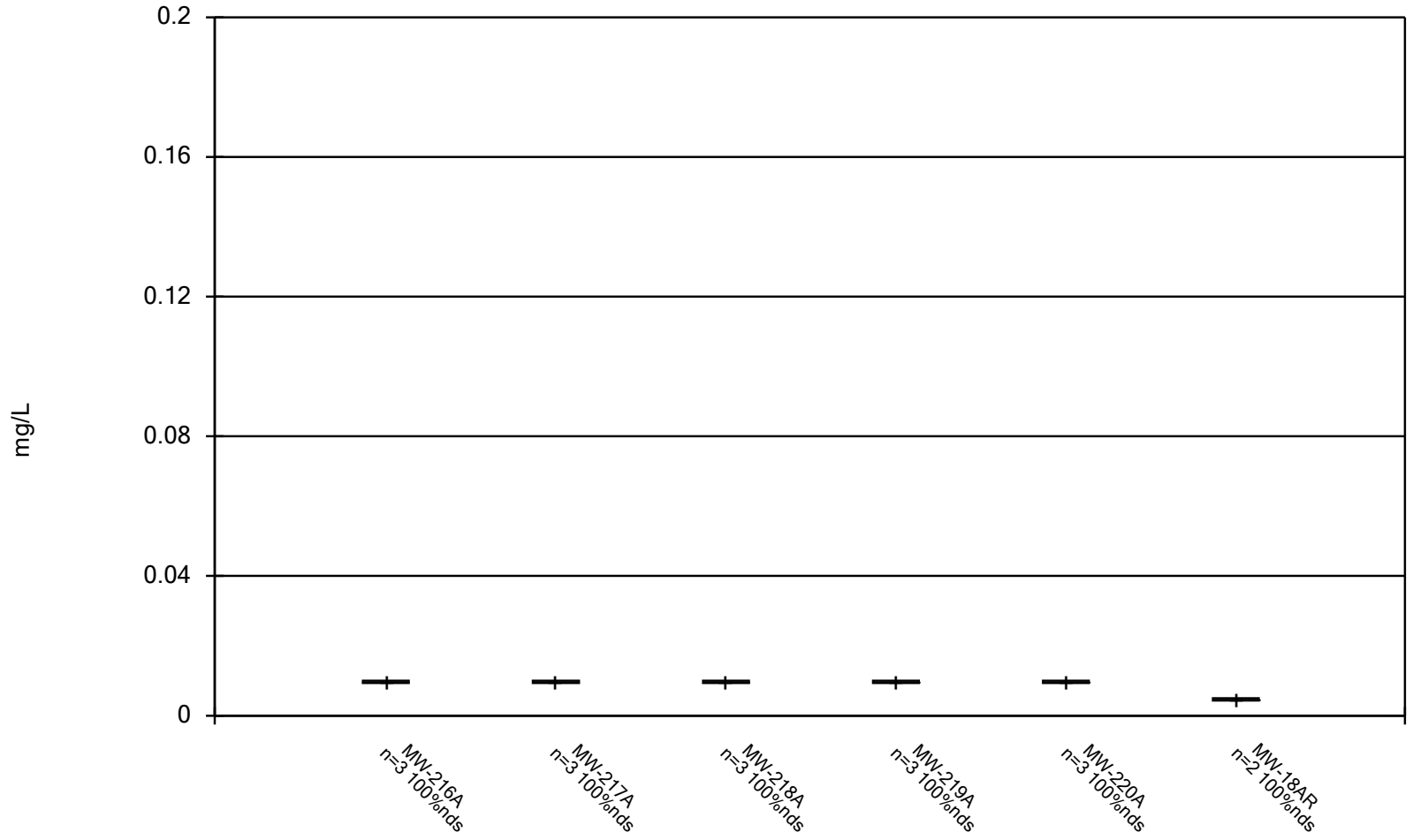
Box & Whiskers Plot



Constituent: Cyanide Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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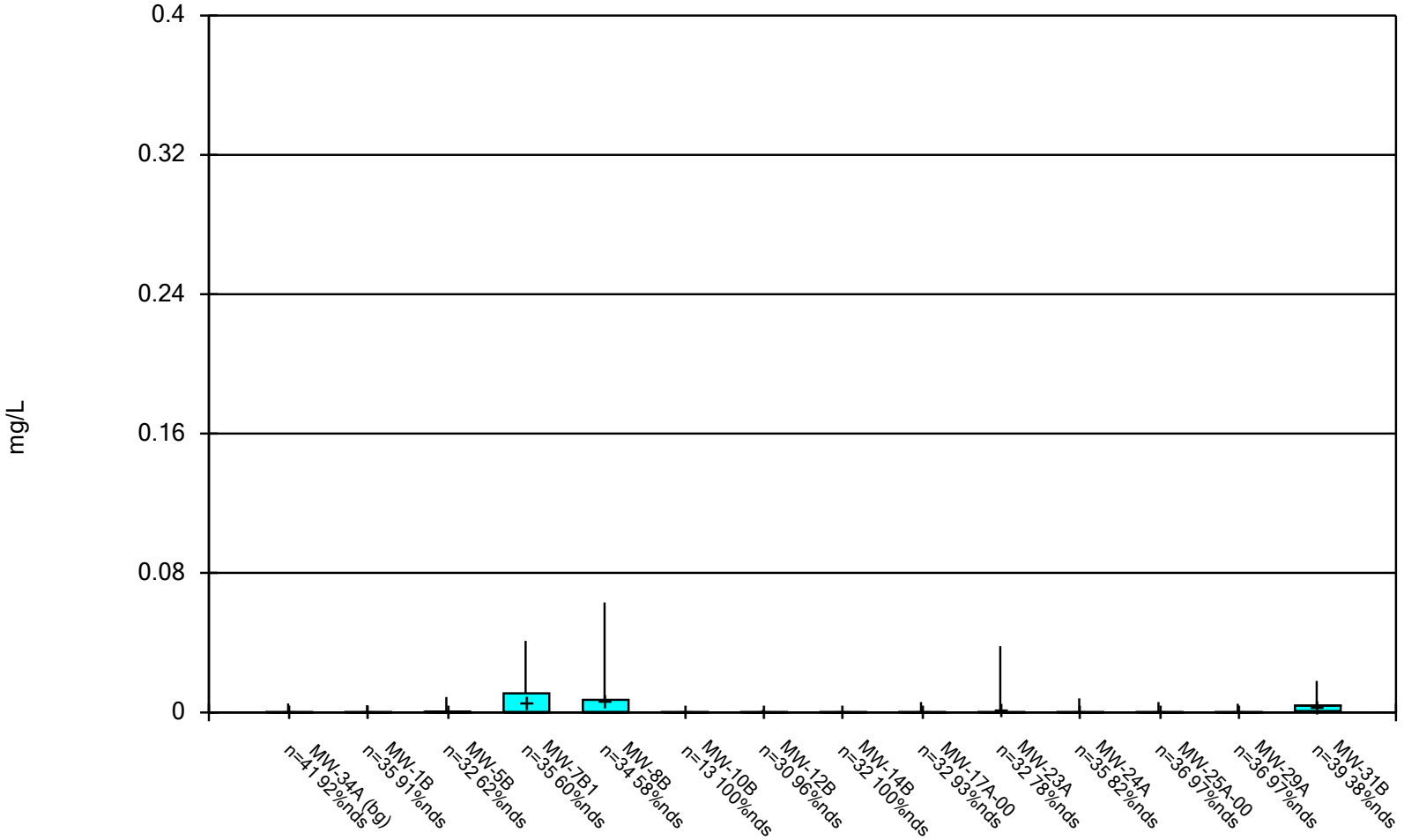
Box & Whiskers Plot



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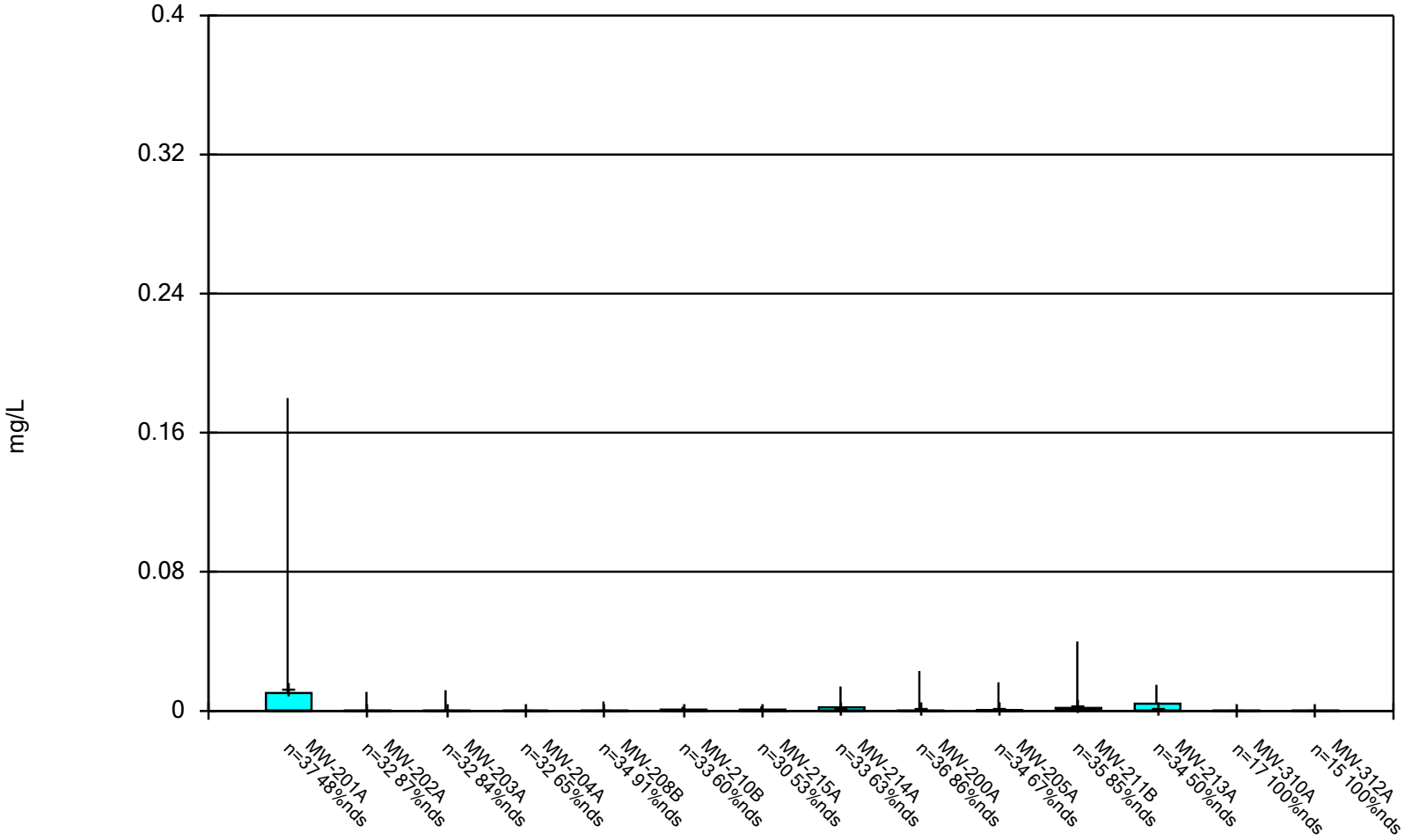
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



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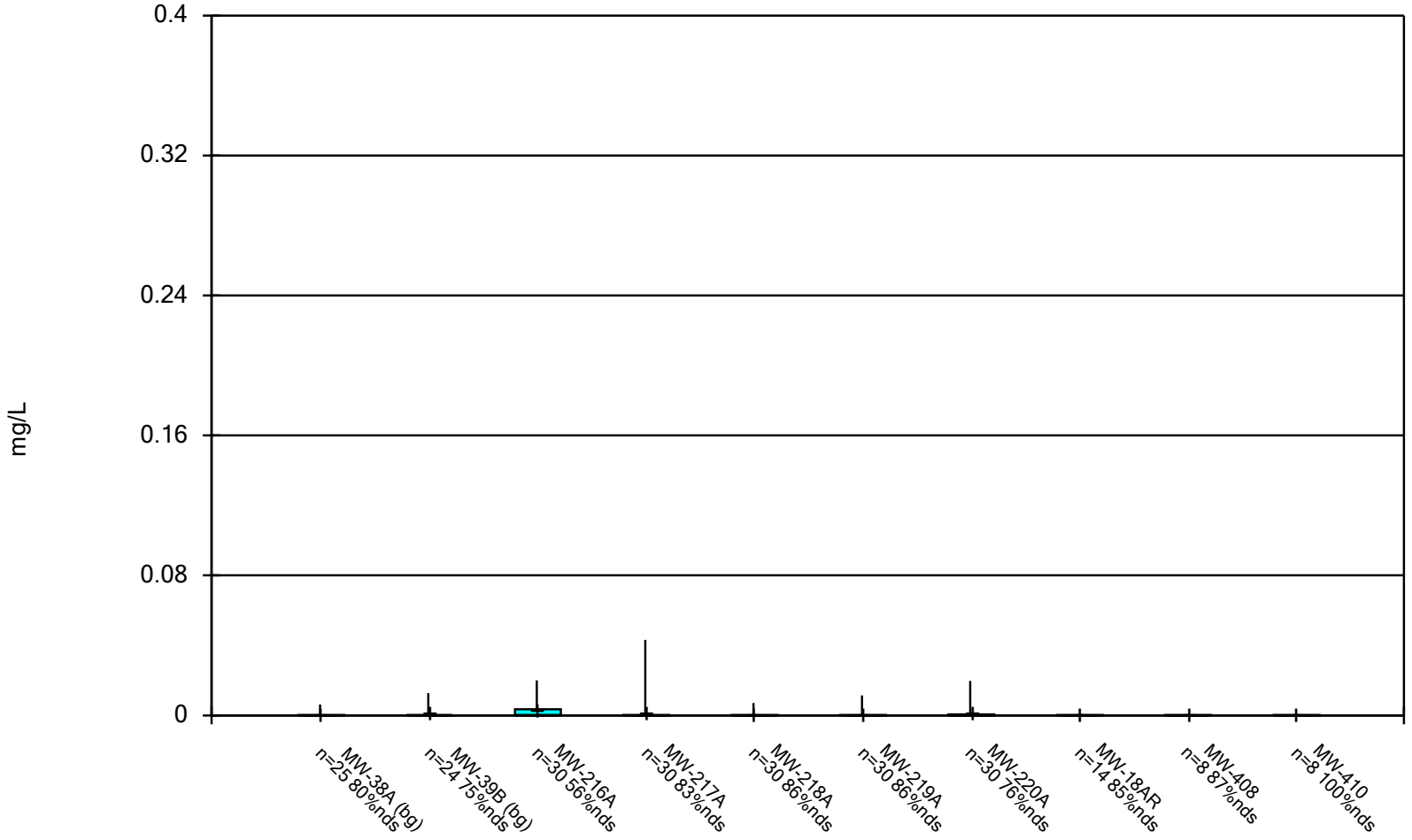
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



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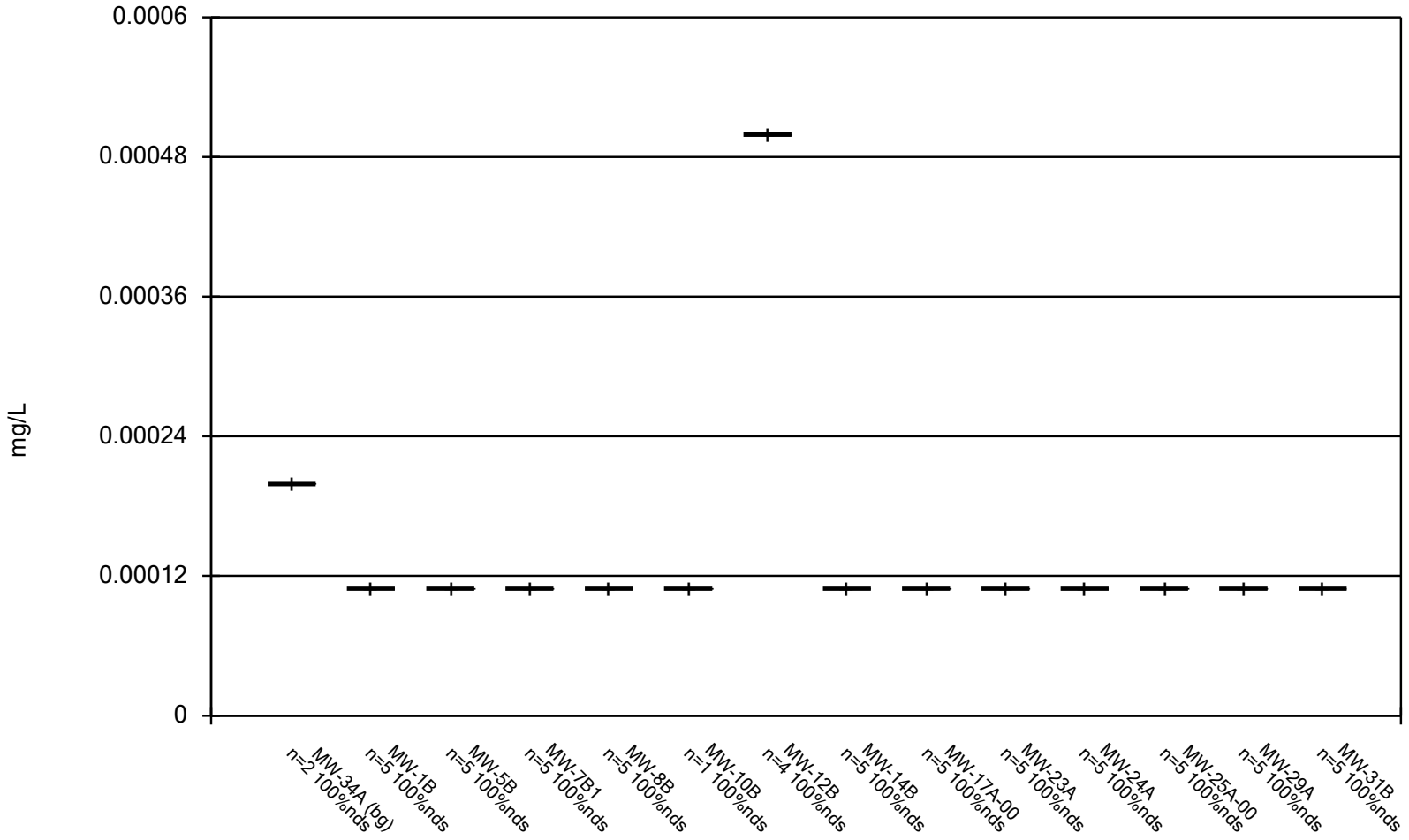
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



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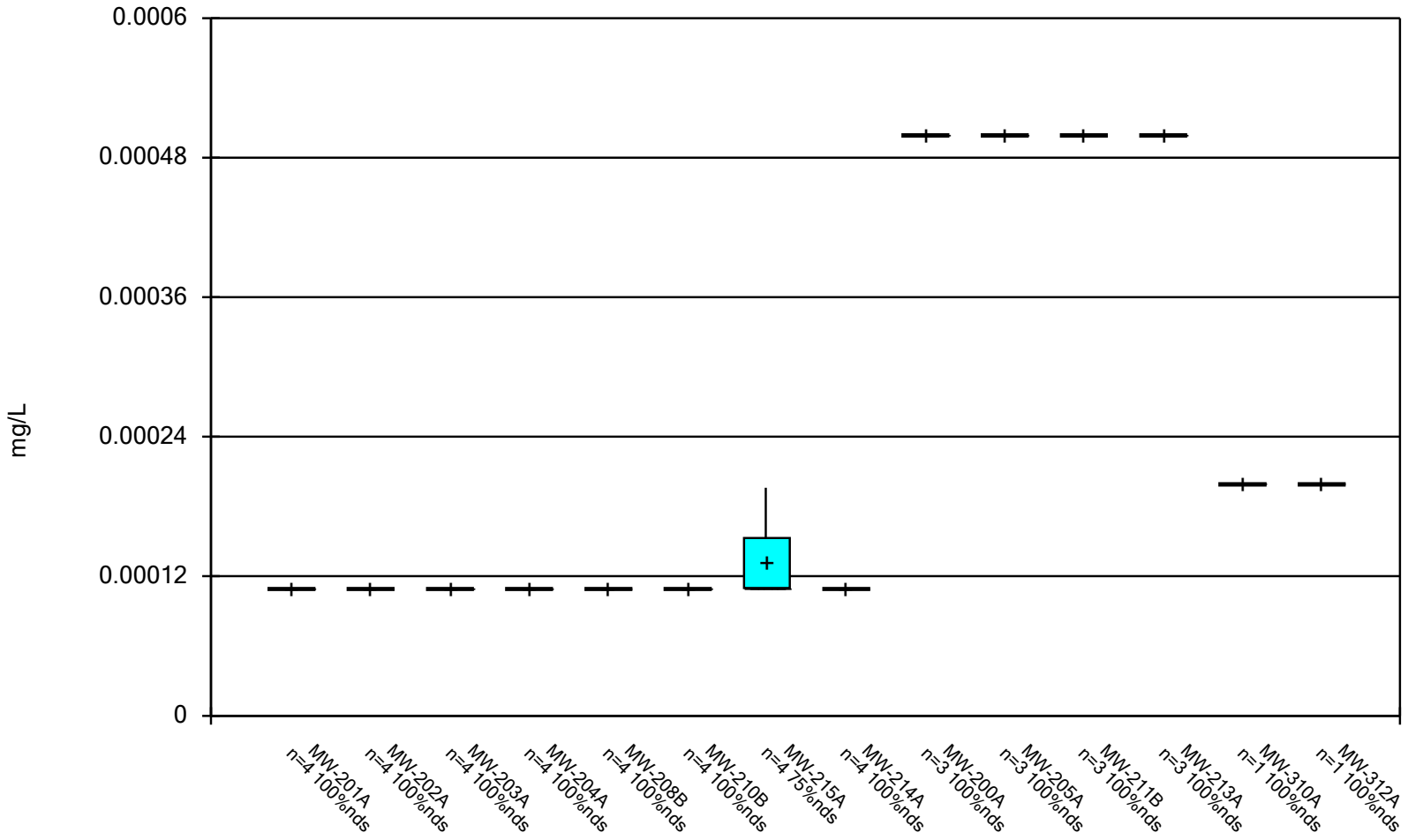
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



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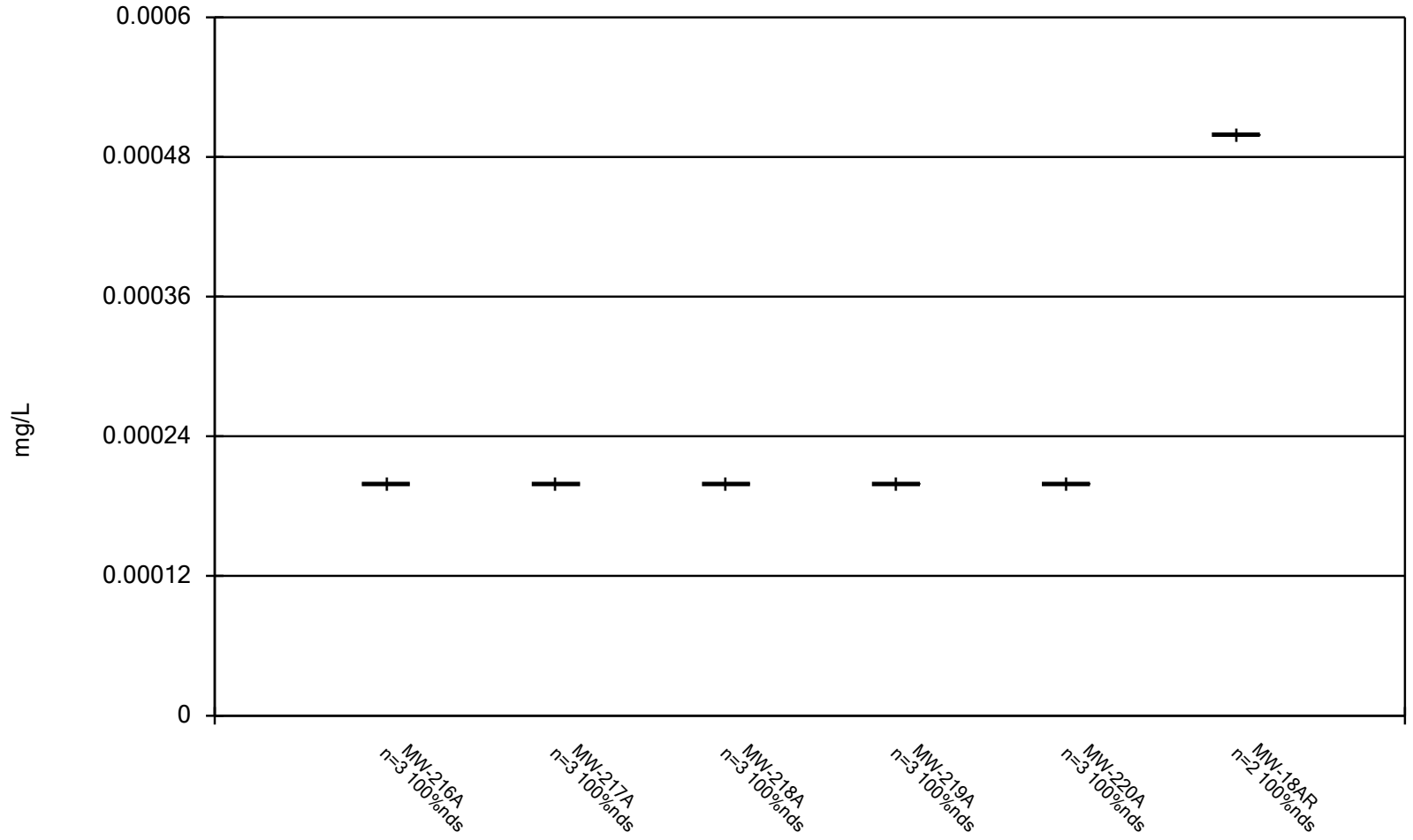
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



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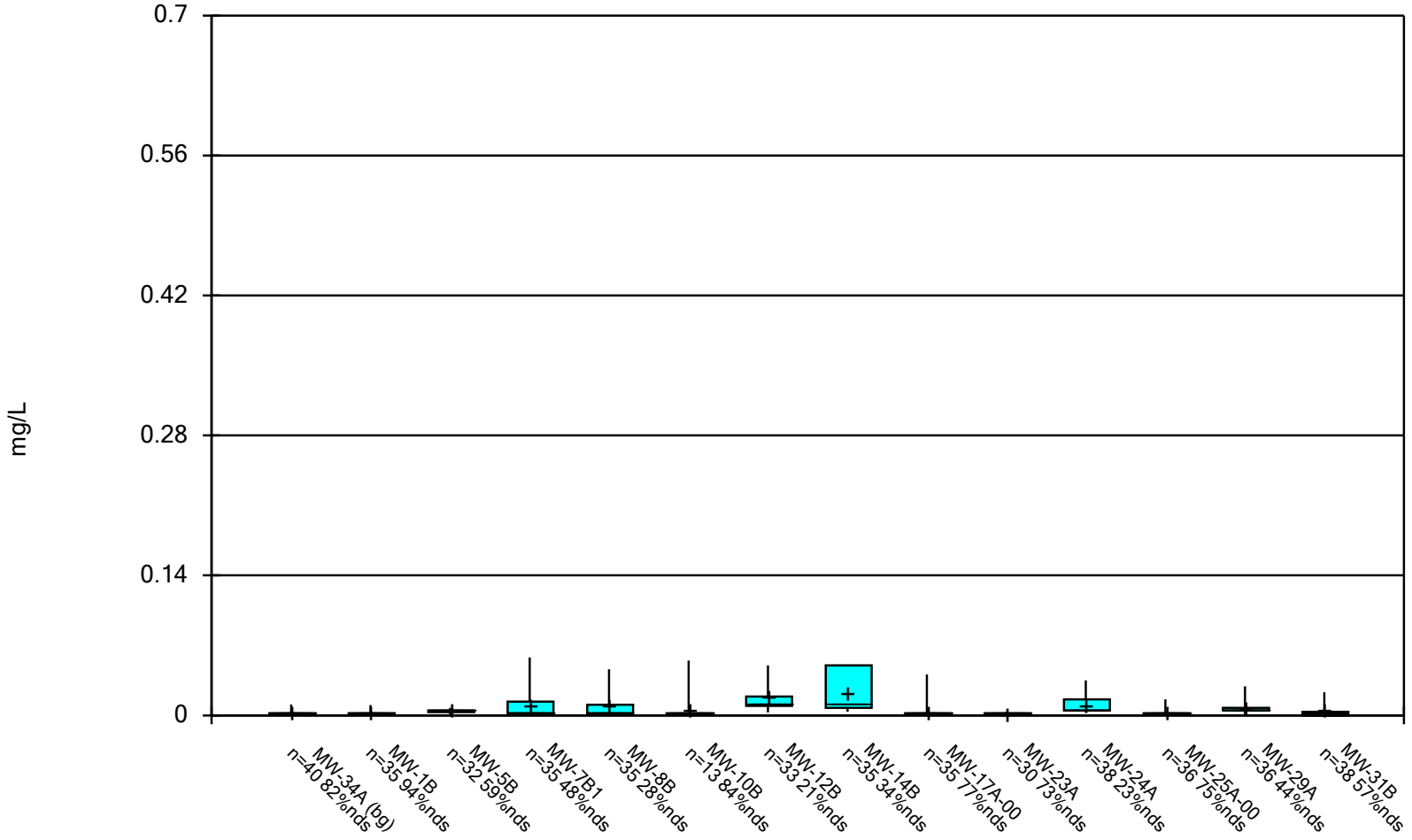
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

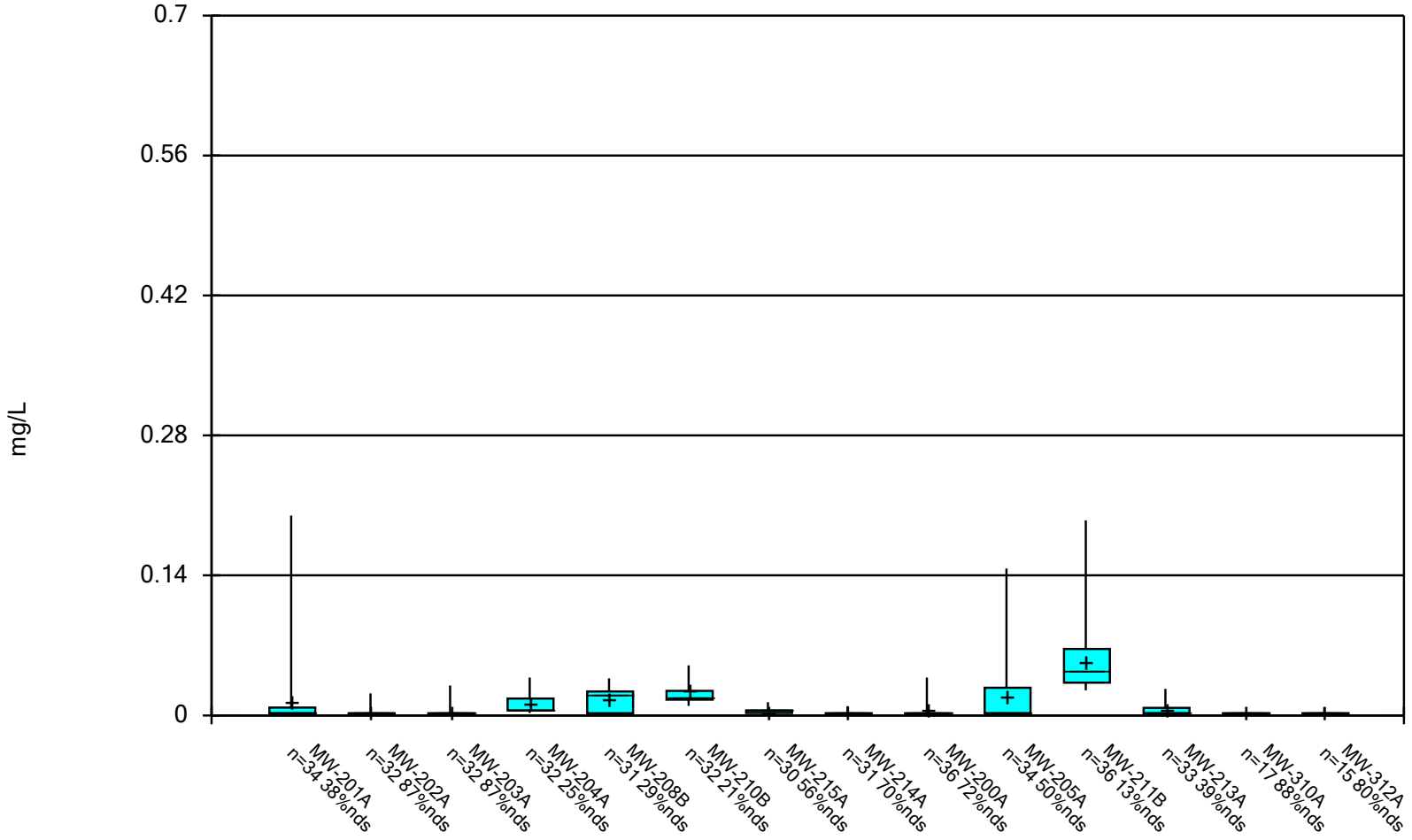


Constituent: Nickel Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

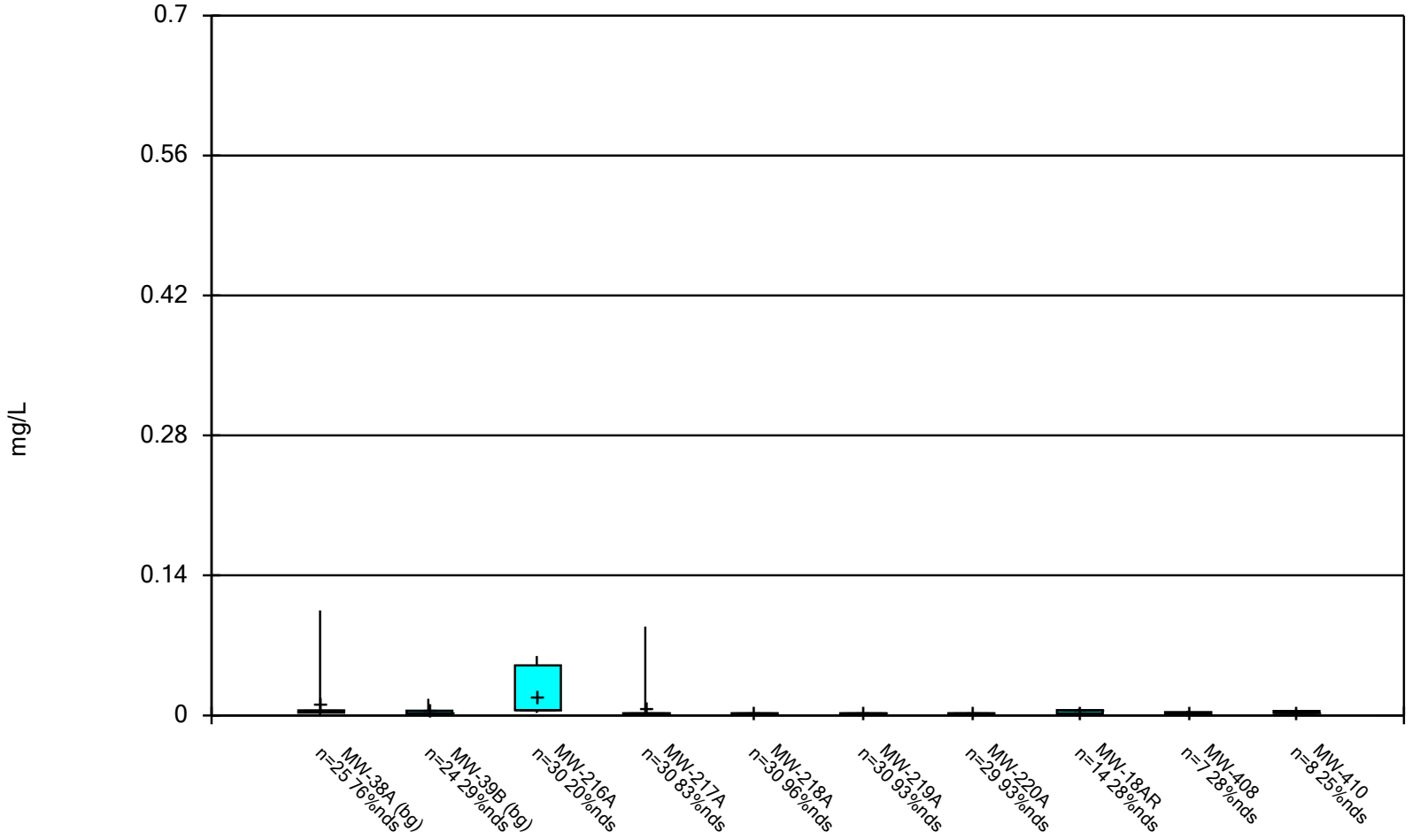


Constituent: Nickel Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

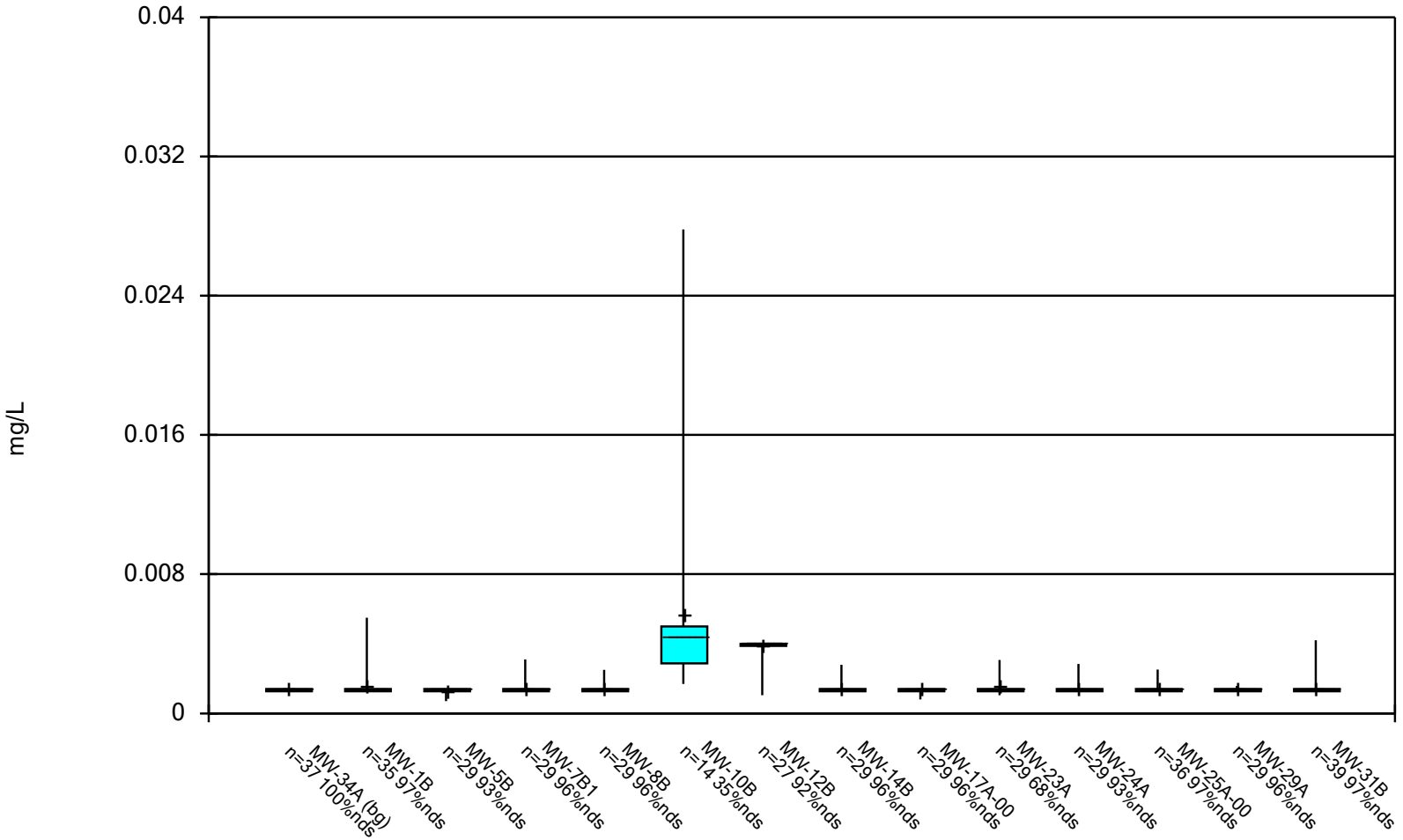


Constituent: Nickel Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: Selenium Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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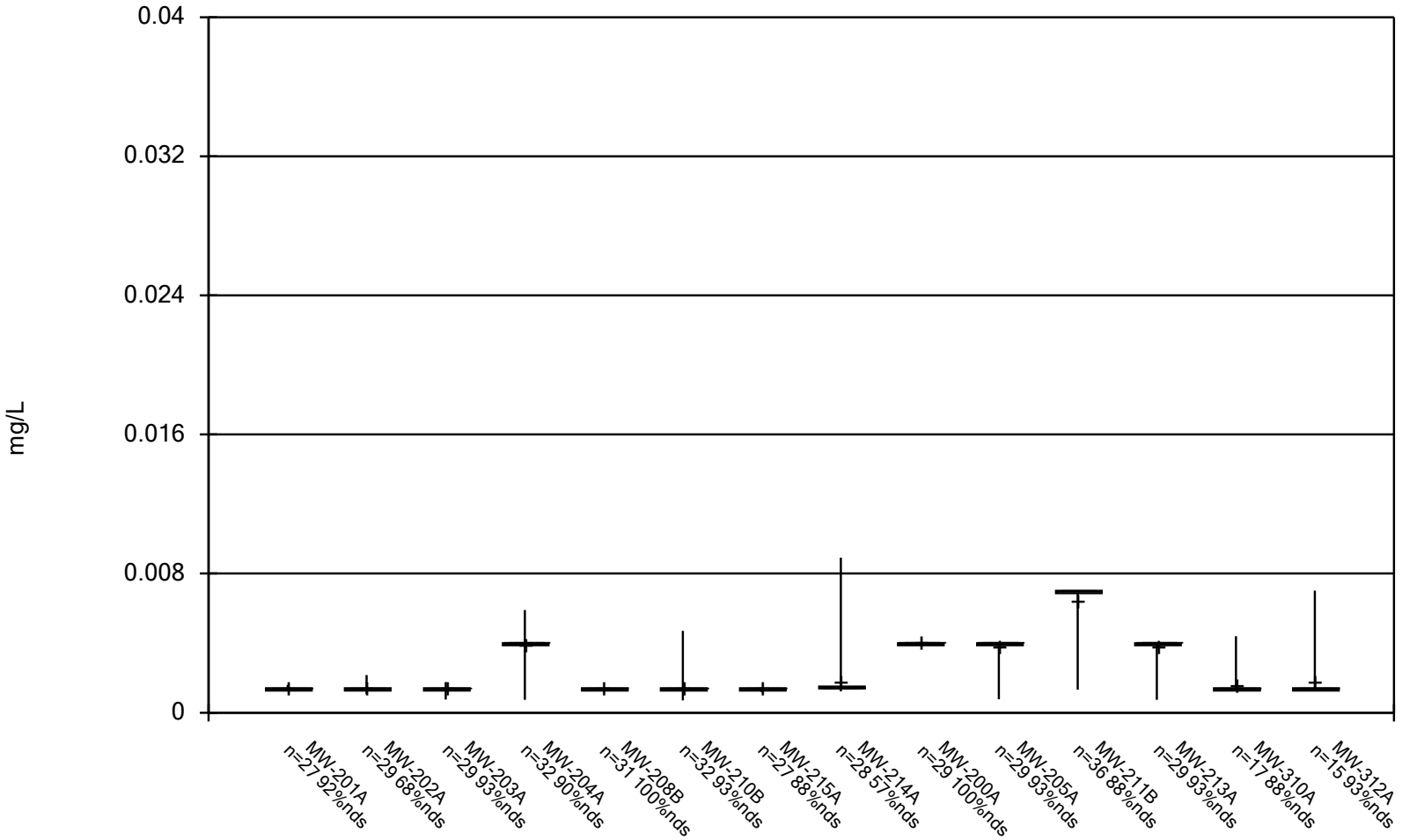
Box & Whiskers Plot



Constituent: Selenium Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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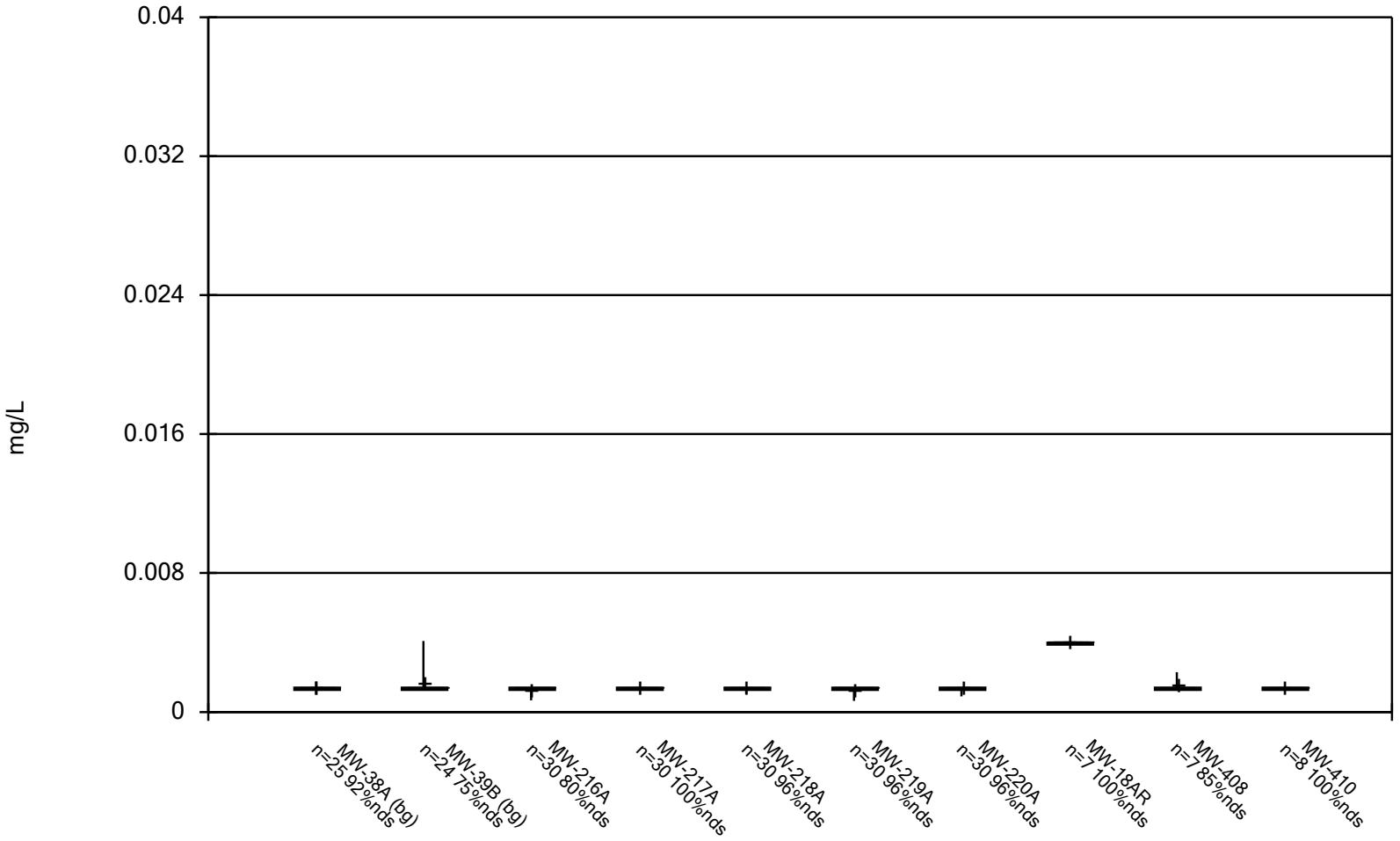
Box & Whiskers Plot



Constituent: Selenium Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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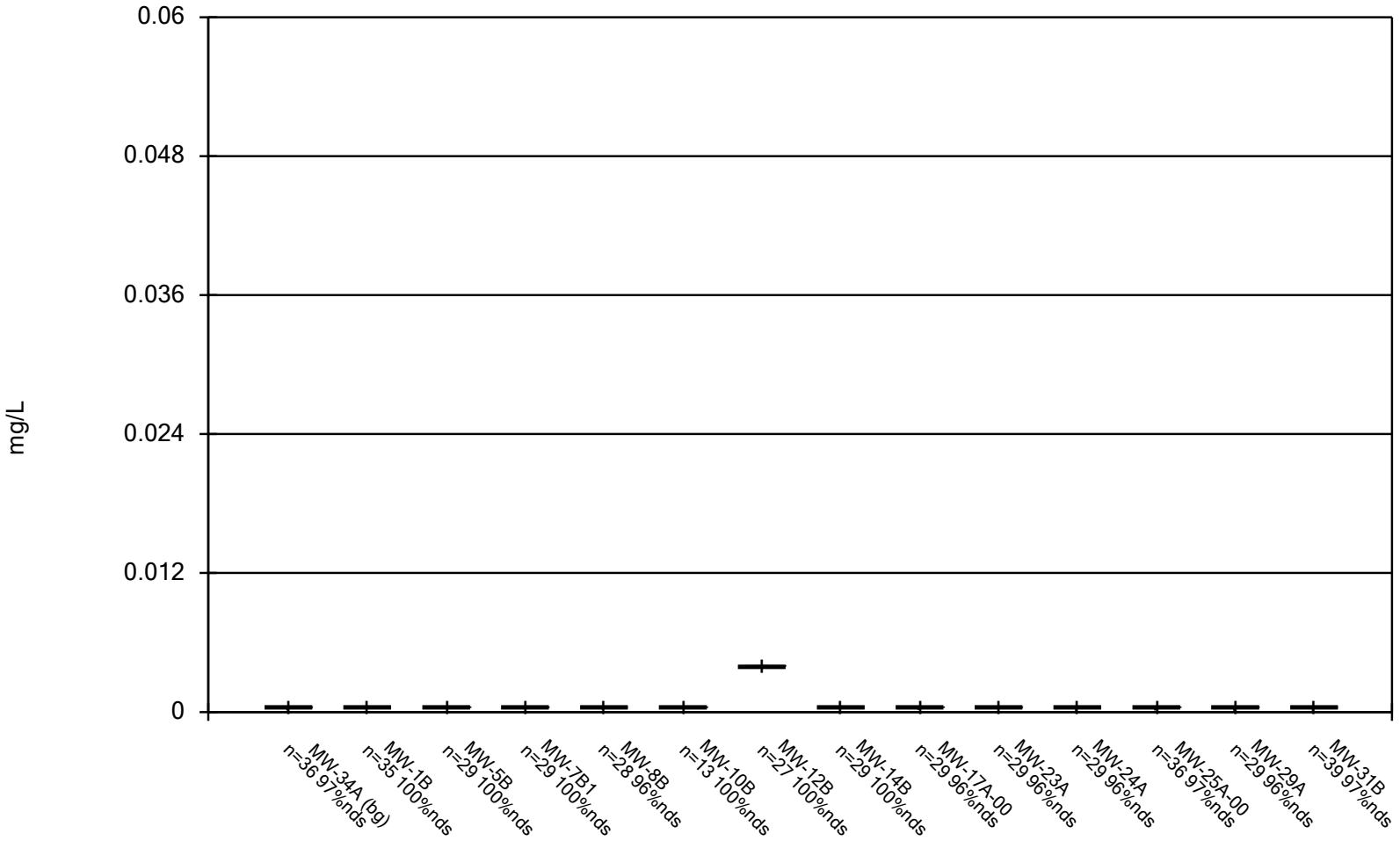
Box & Whiskers Plot



Constituent: Silver Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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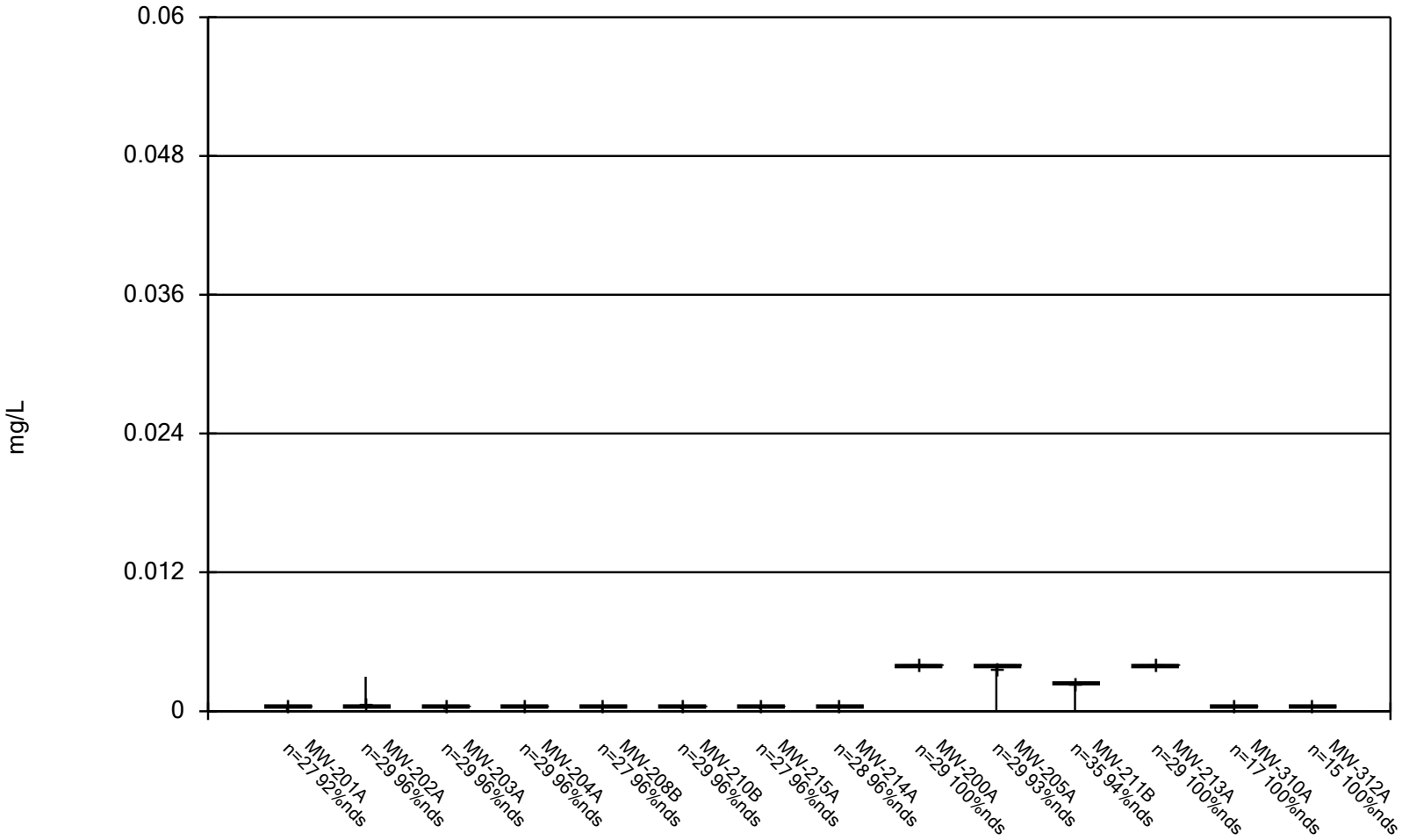
Box & Whiskers Plot



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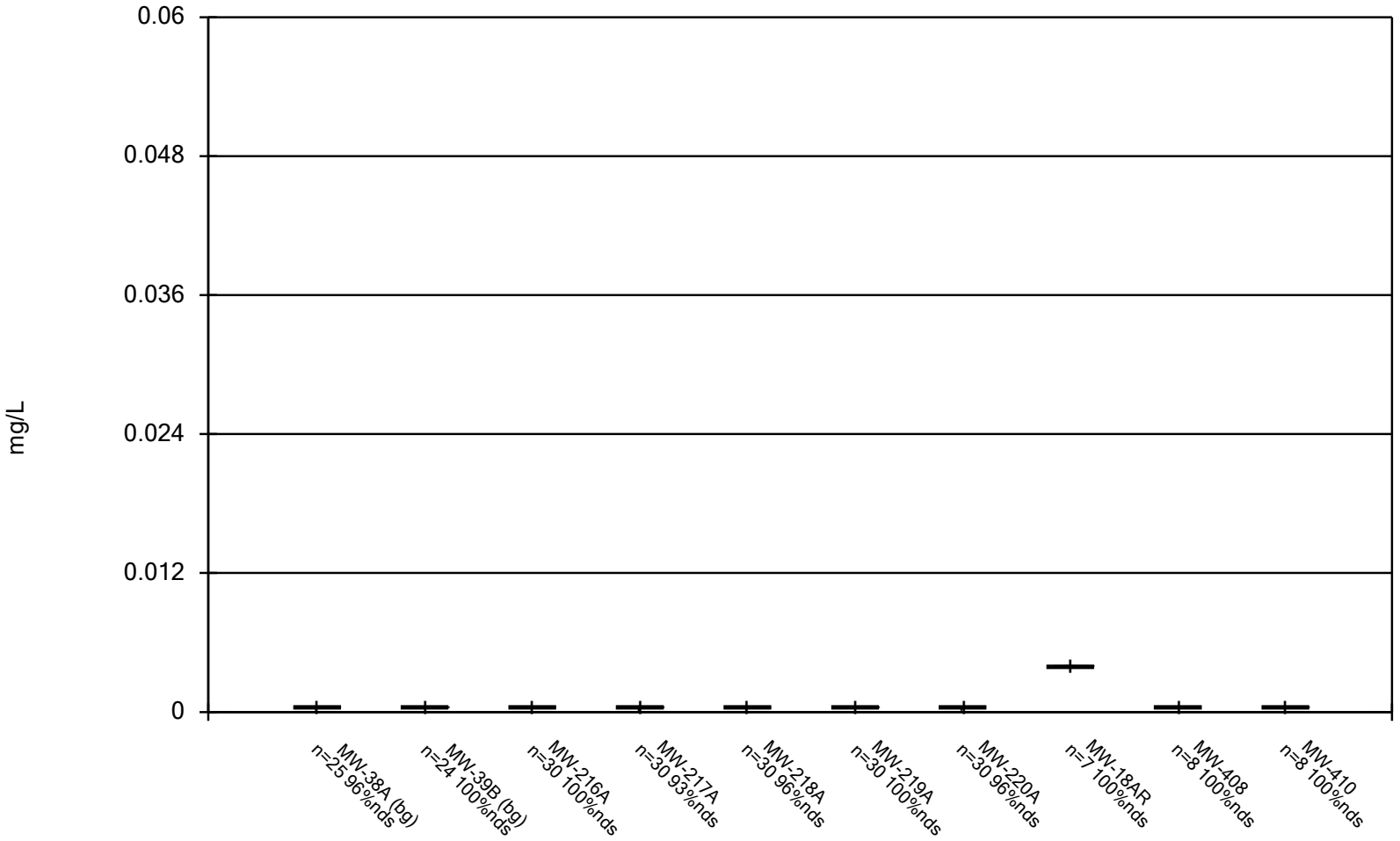
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: Silver Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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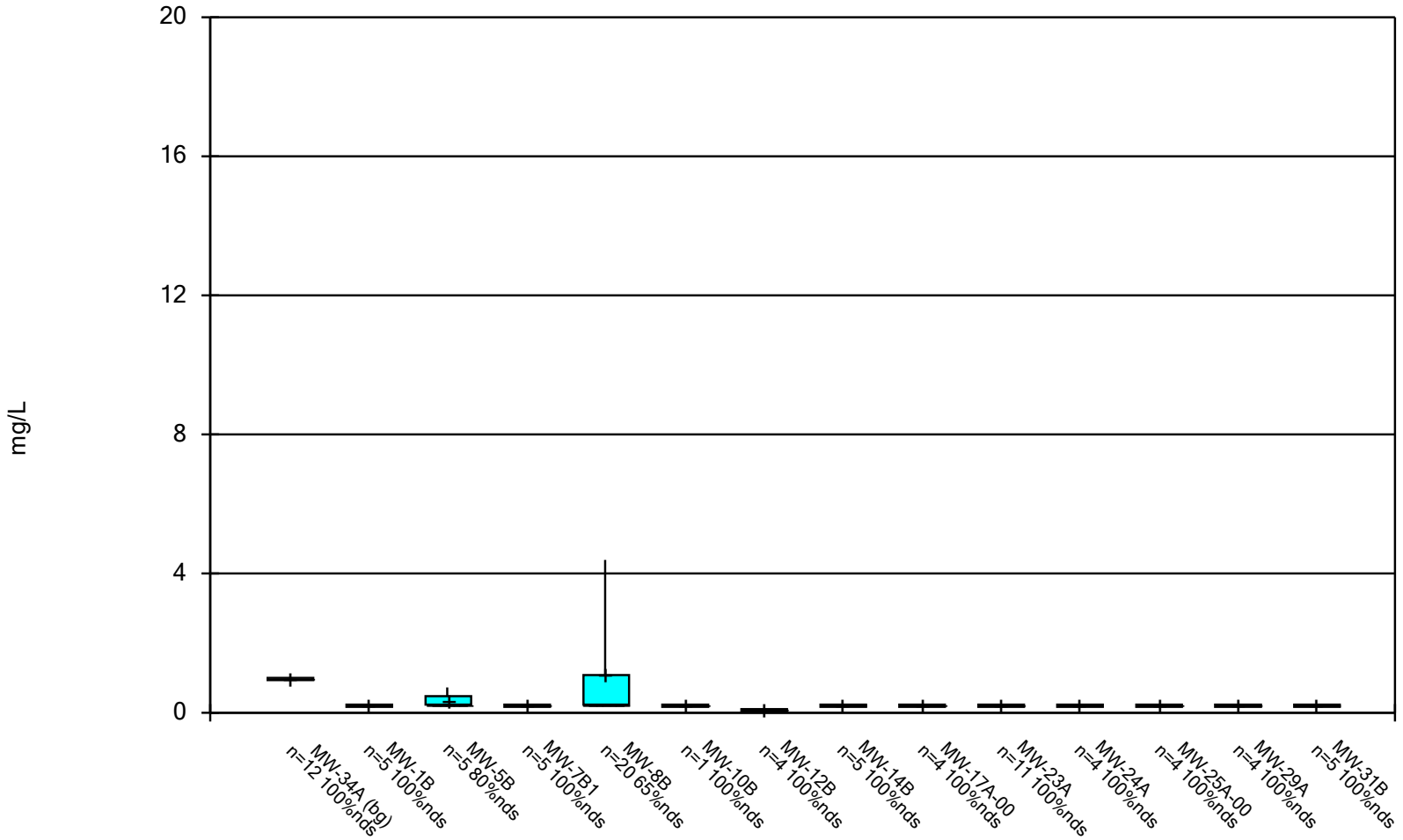
Box & Whiskers Plot

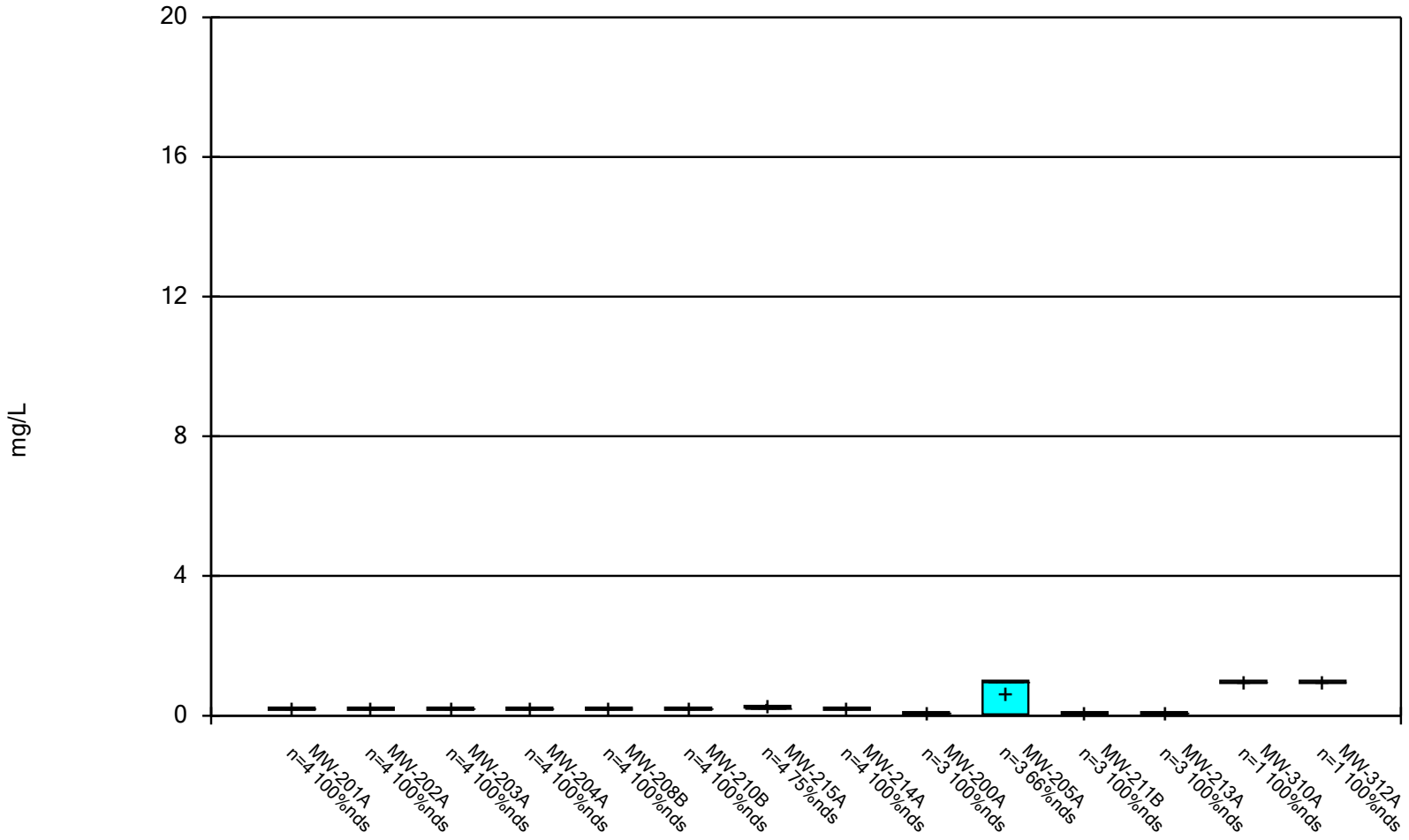


Constituent: Sulfide Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

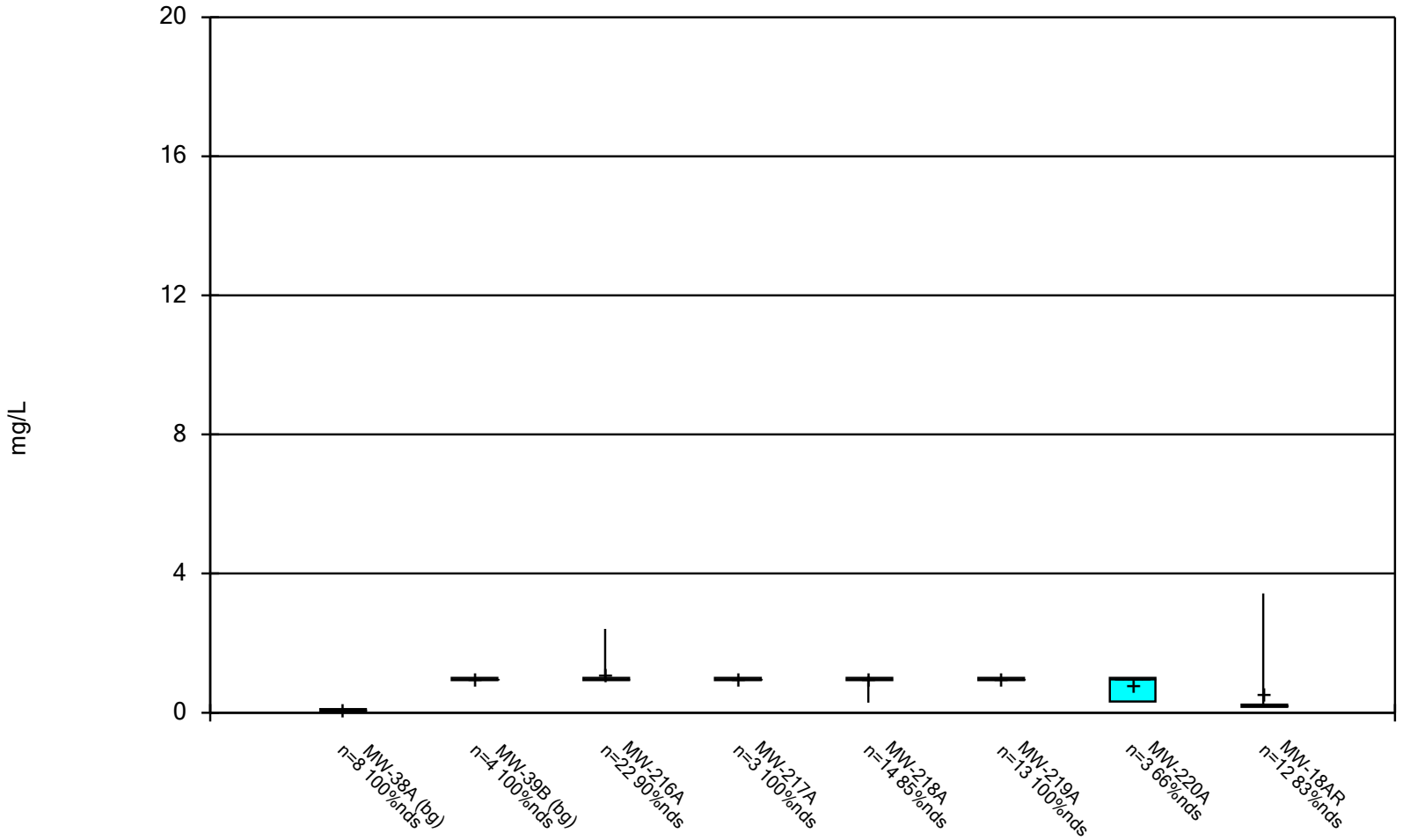


Constituent: Sulfide Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: Sulfide Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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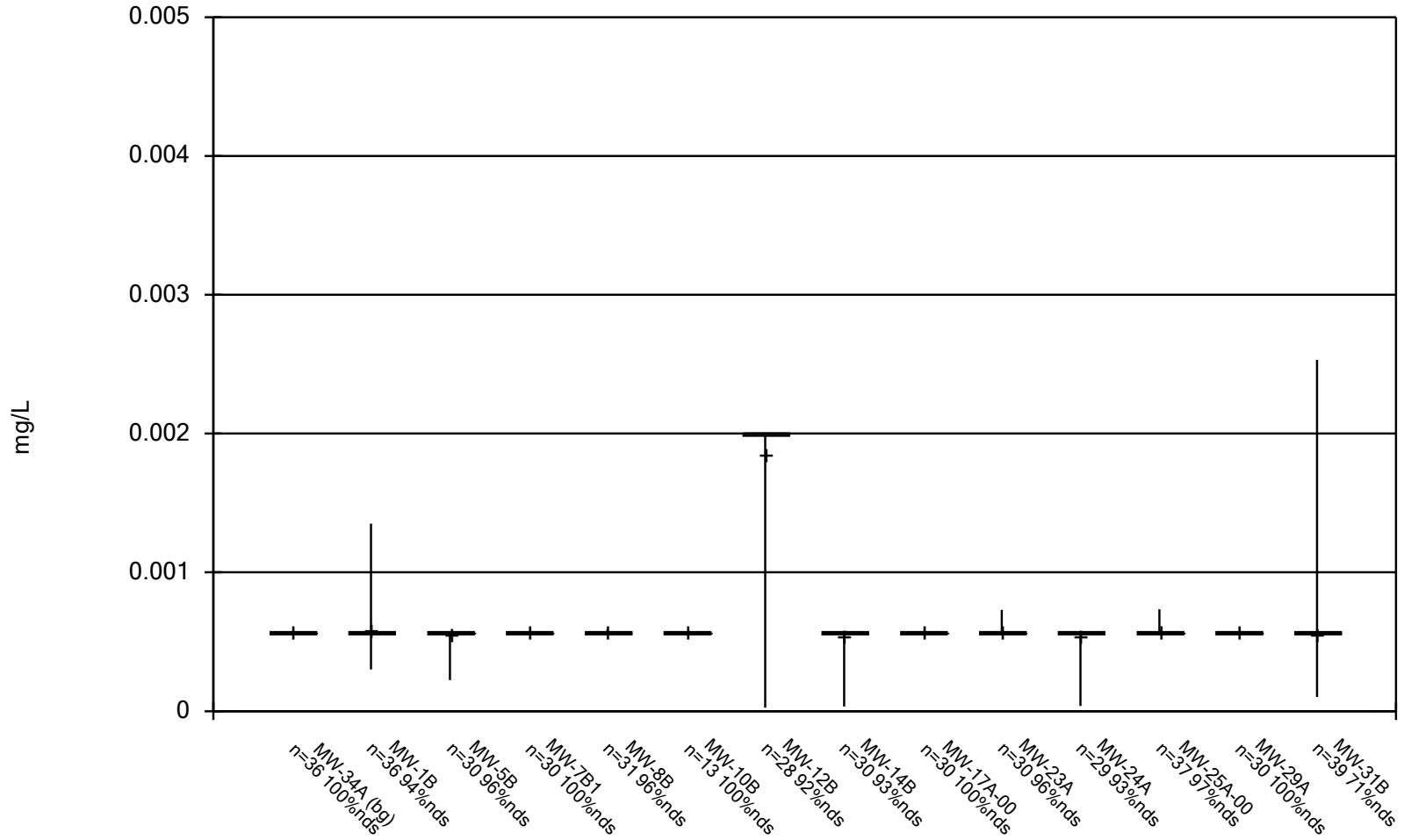
Box & Whiskers Plot

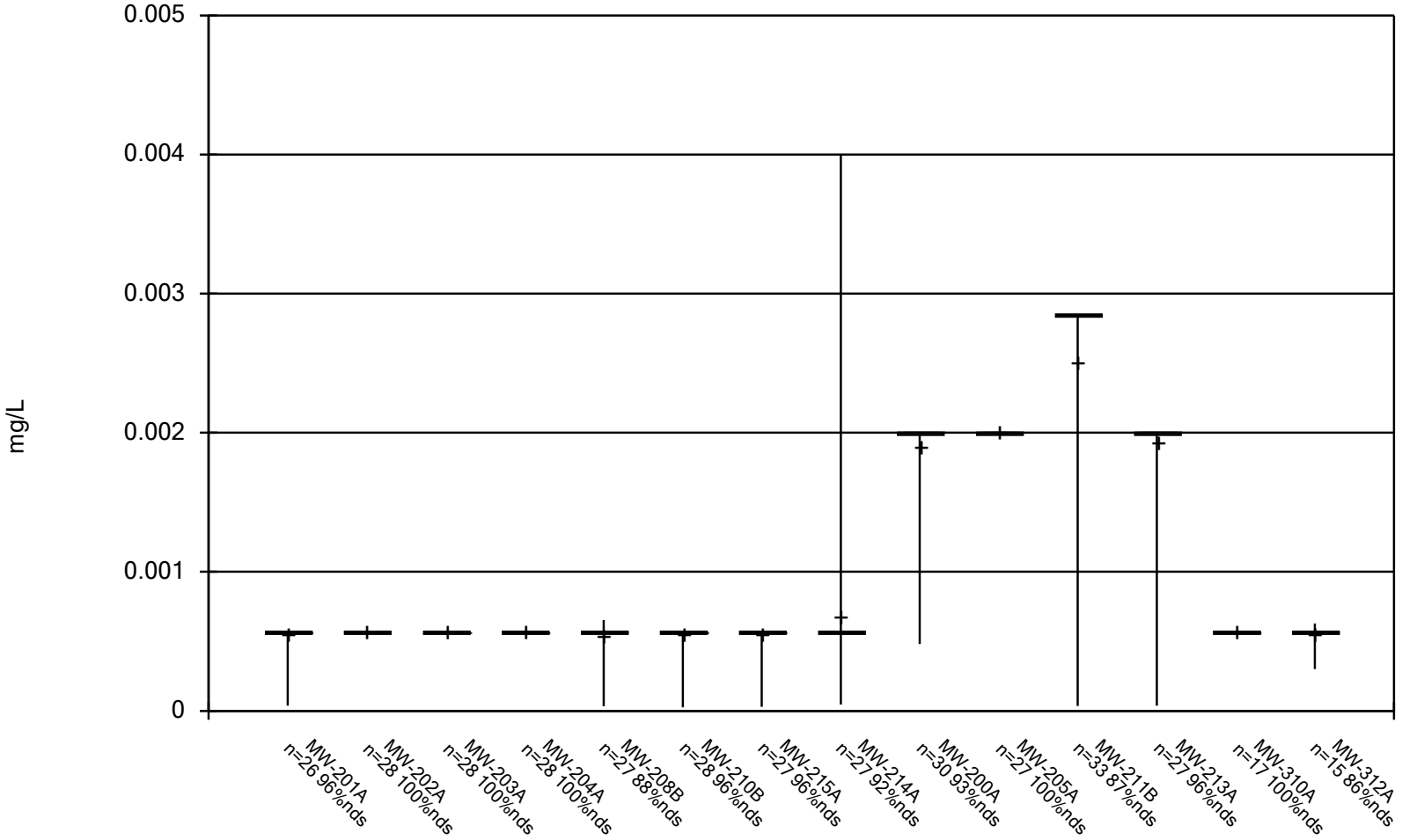


Constituent: Thallium Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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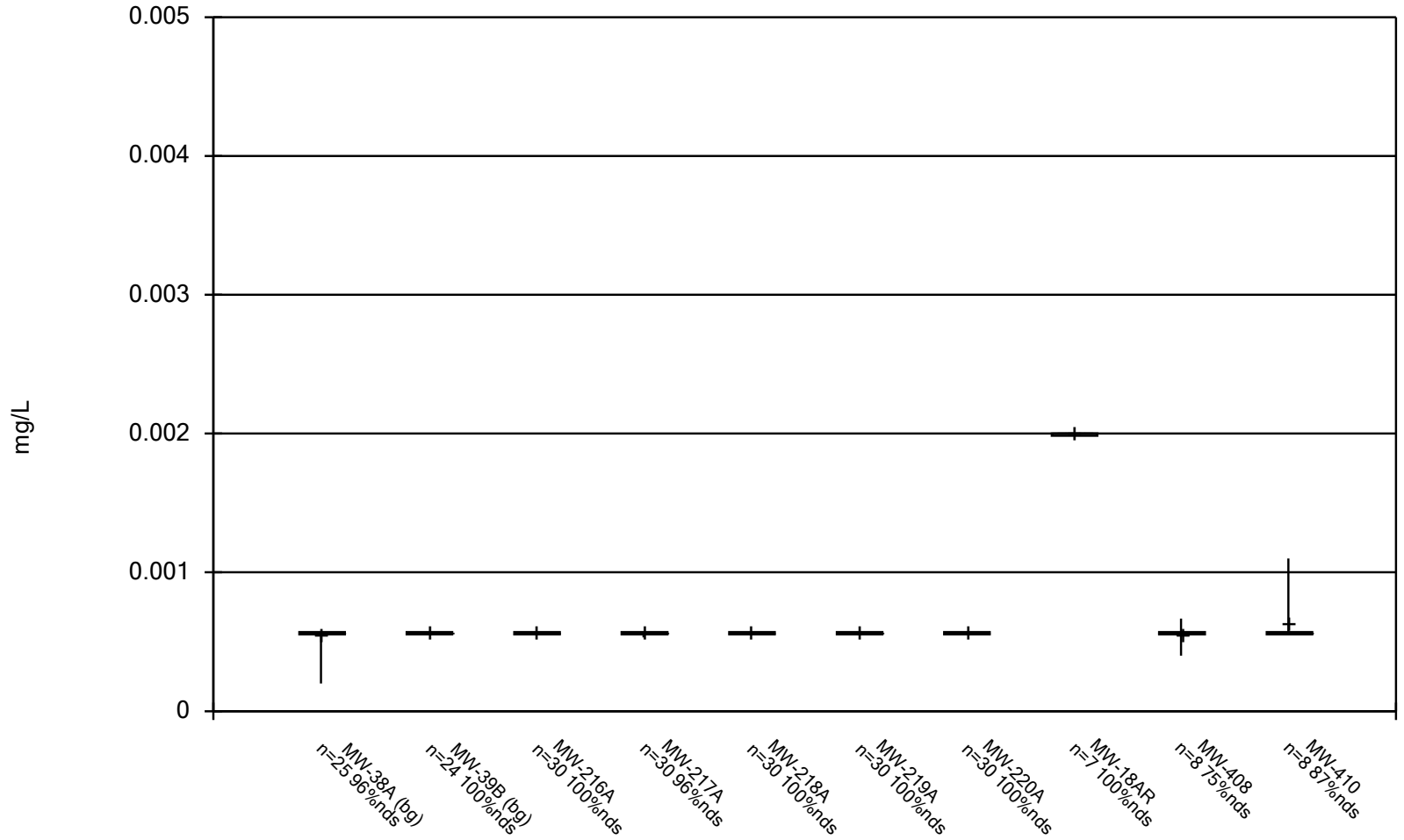
Box & Whiskers Plot



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Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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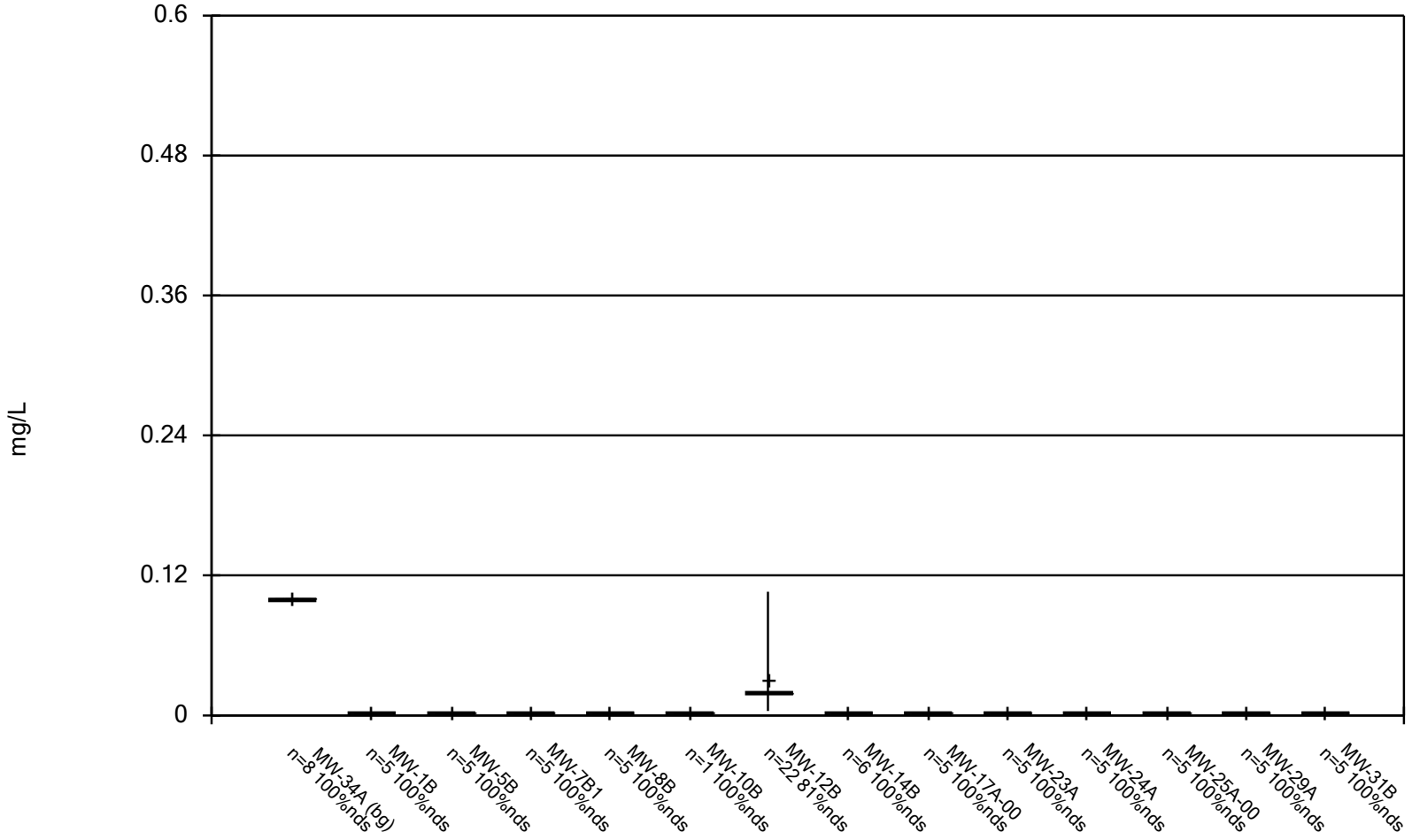
Box & Whiskers Plot



Constituent: Tin Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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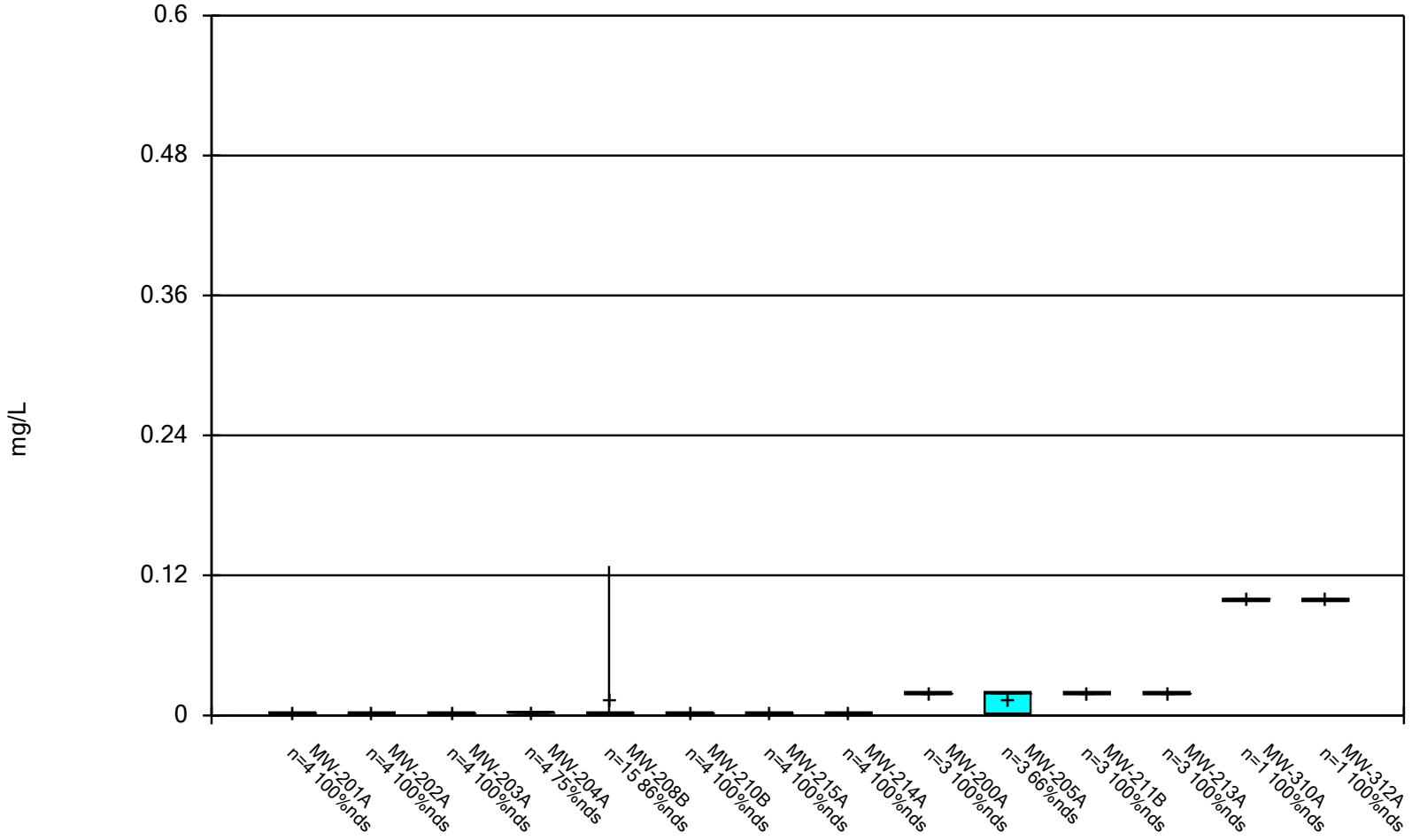
Box & Whiskers Plot



Constituent: Tin Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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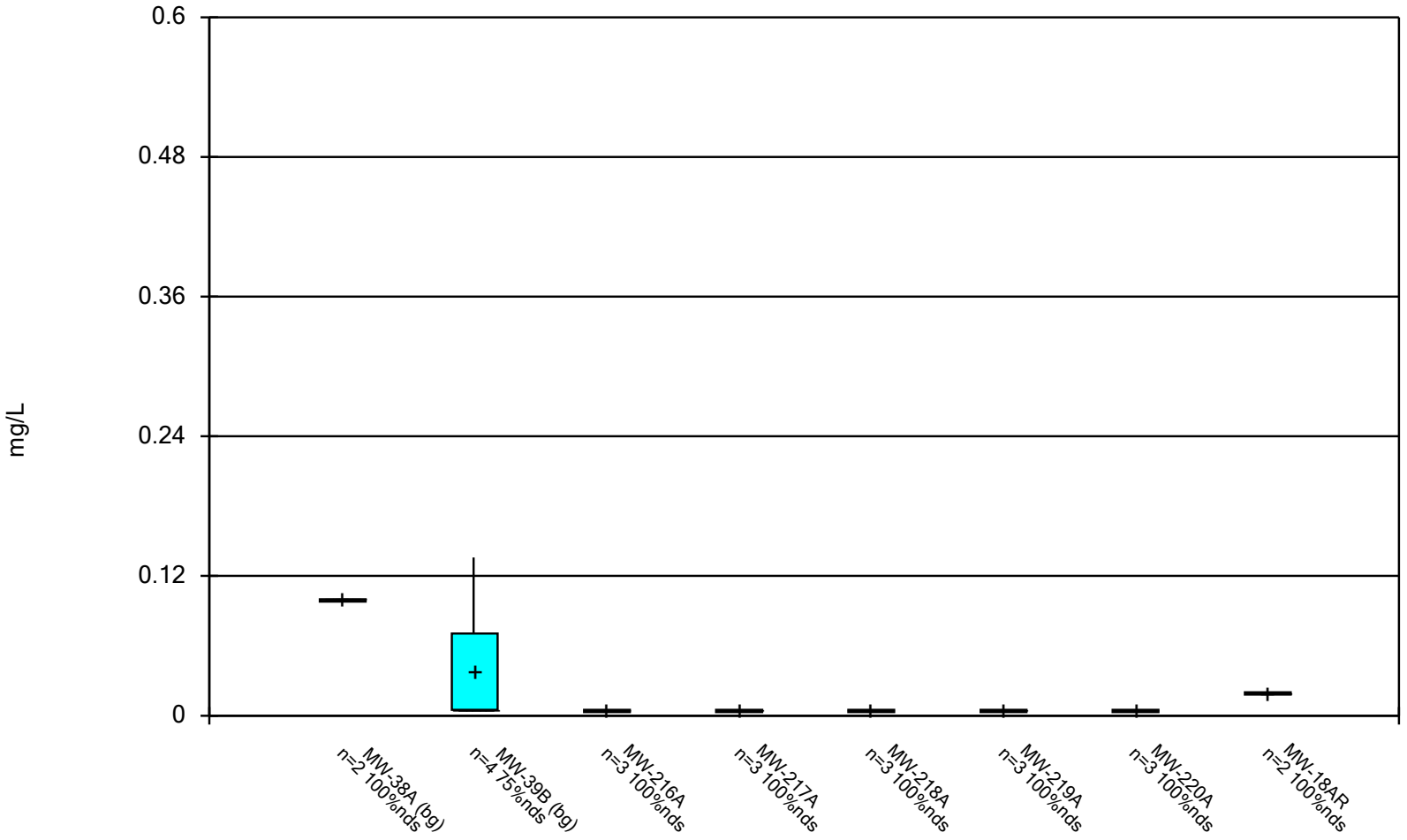
Box & Whiskers Plot

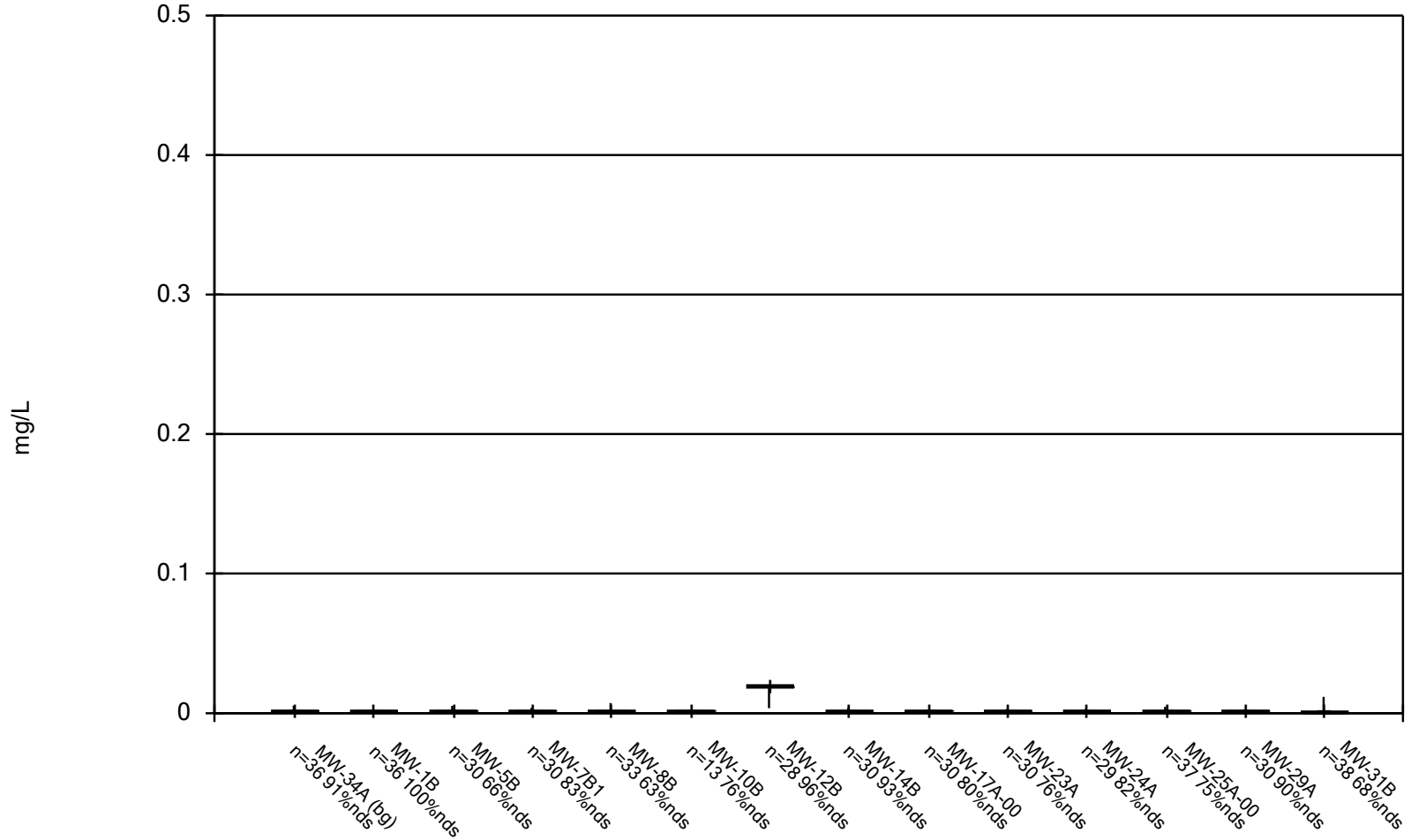


Constituent: Tin Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

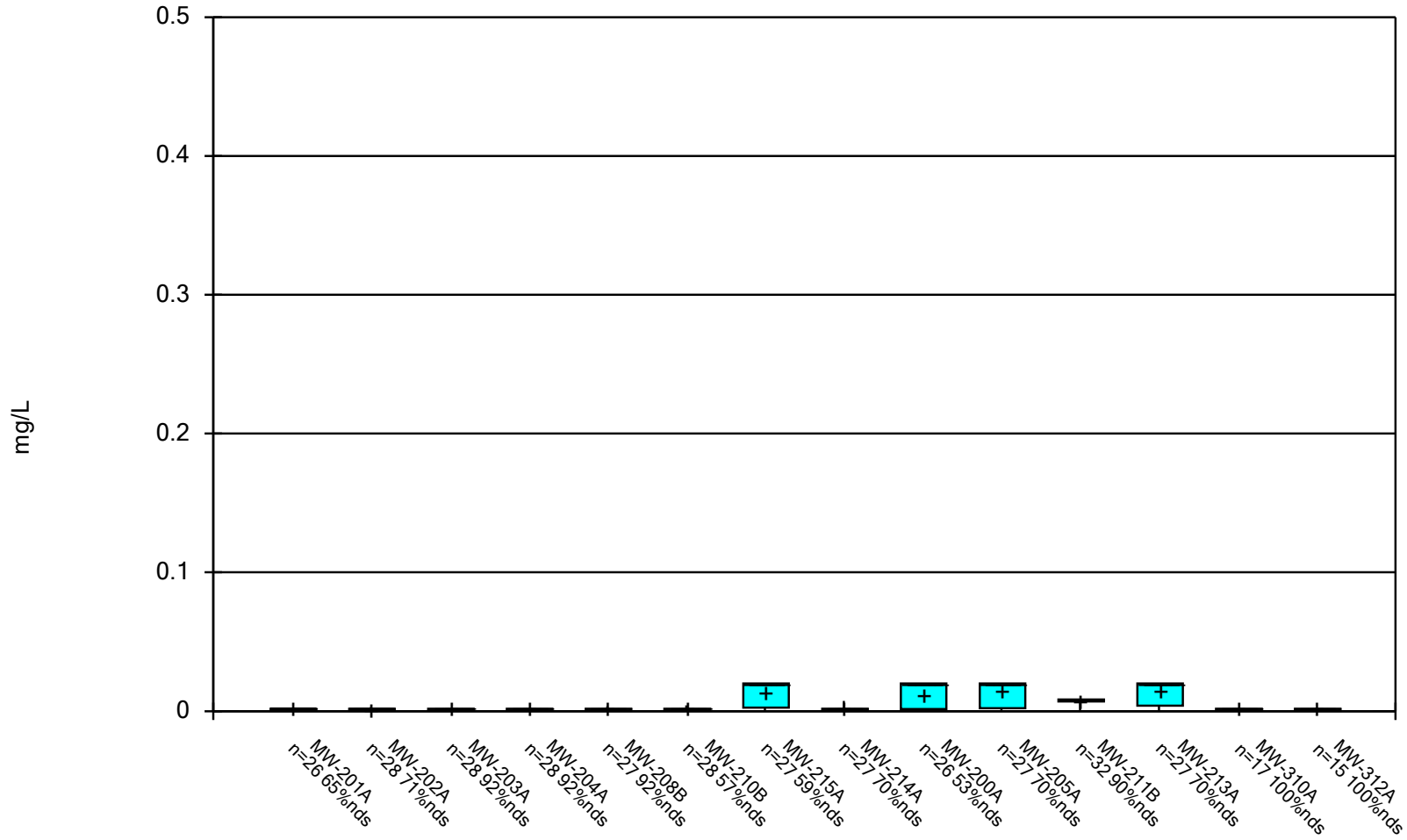


Constituent: Vanadium Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

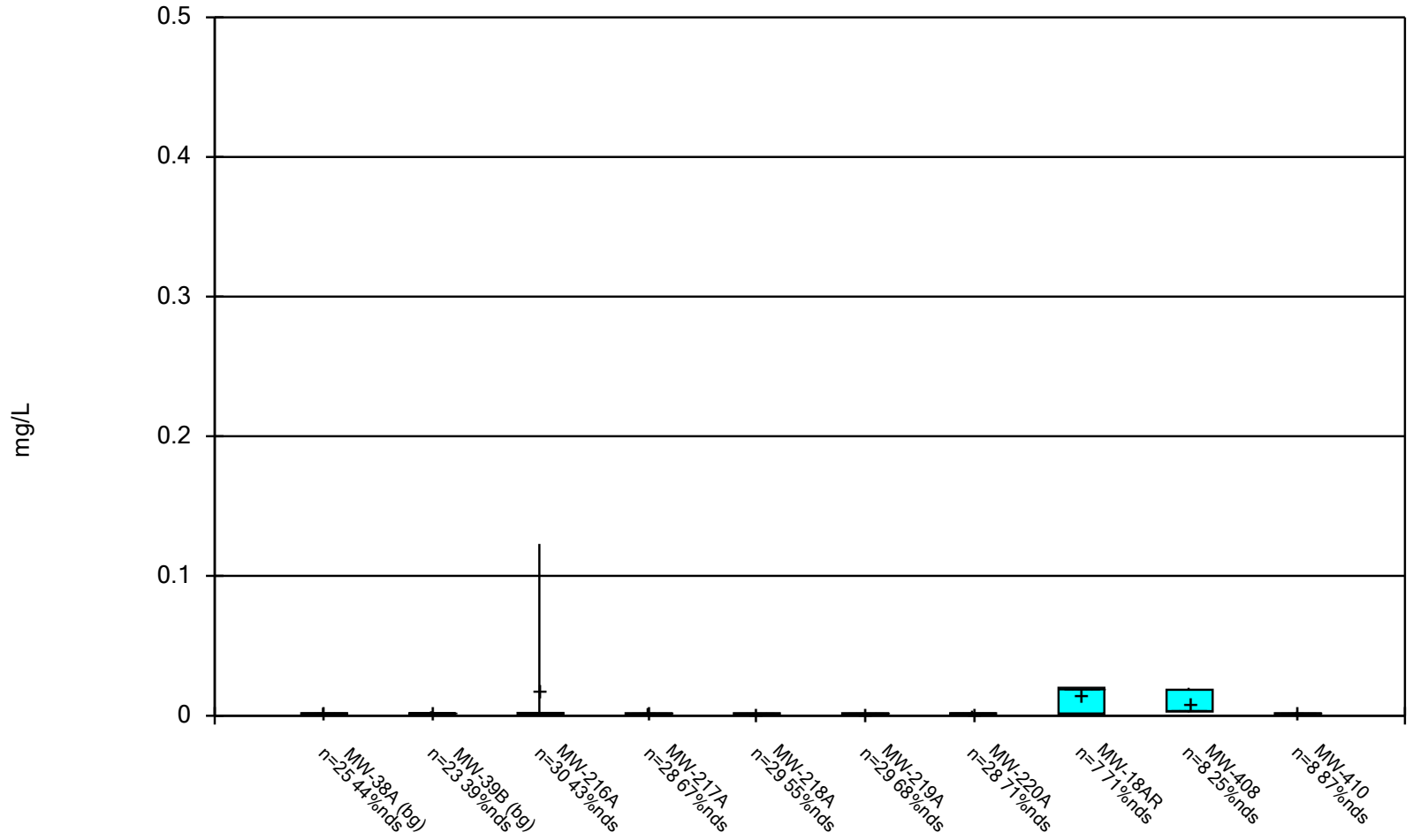


Constituent: Vanadium Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

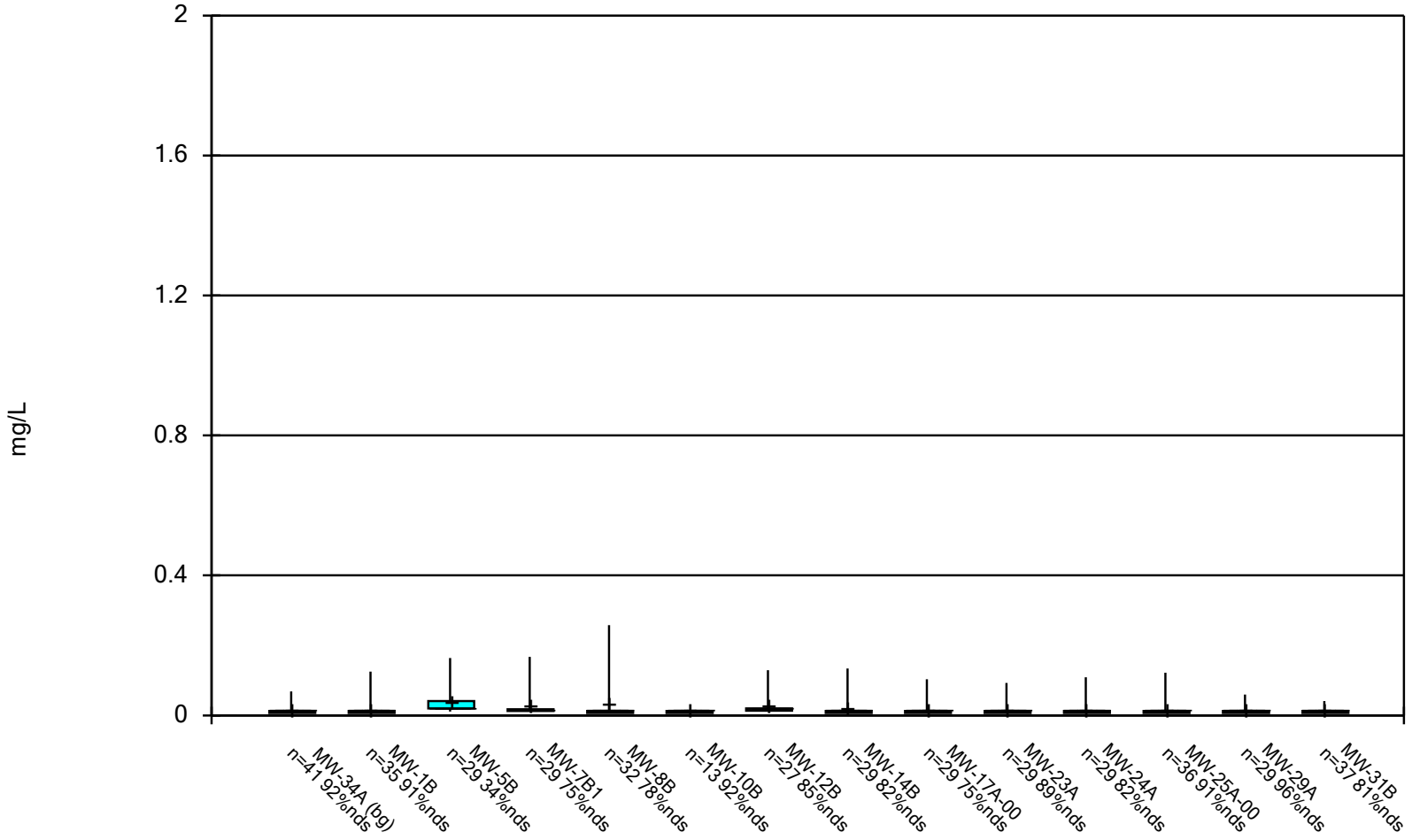


Constituent: Vanadium Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

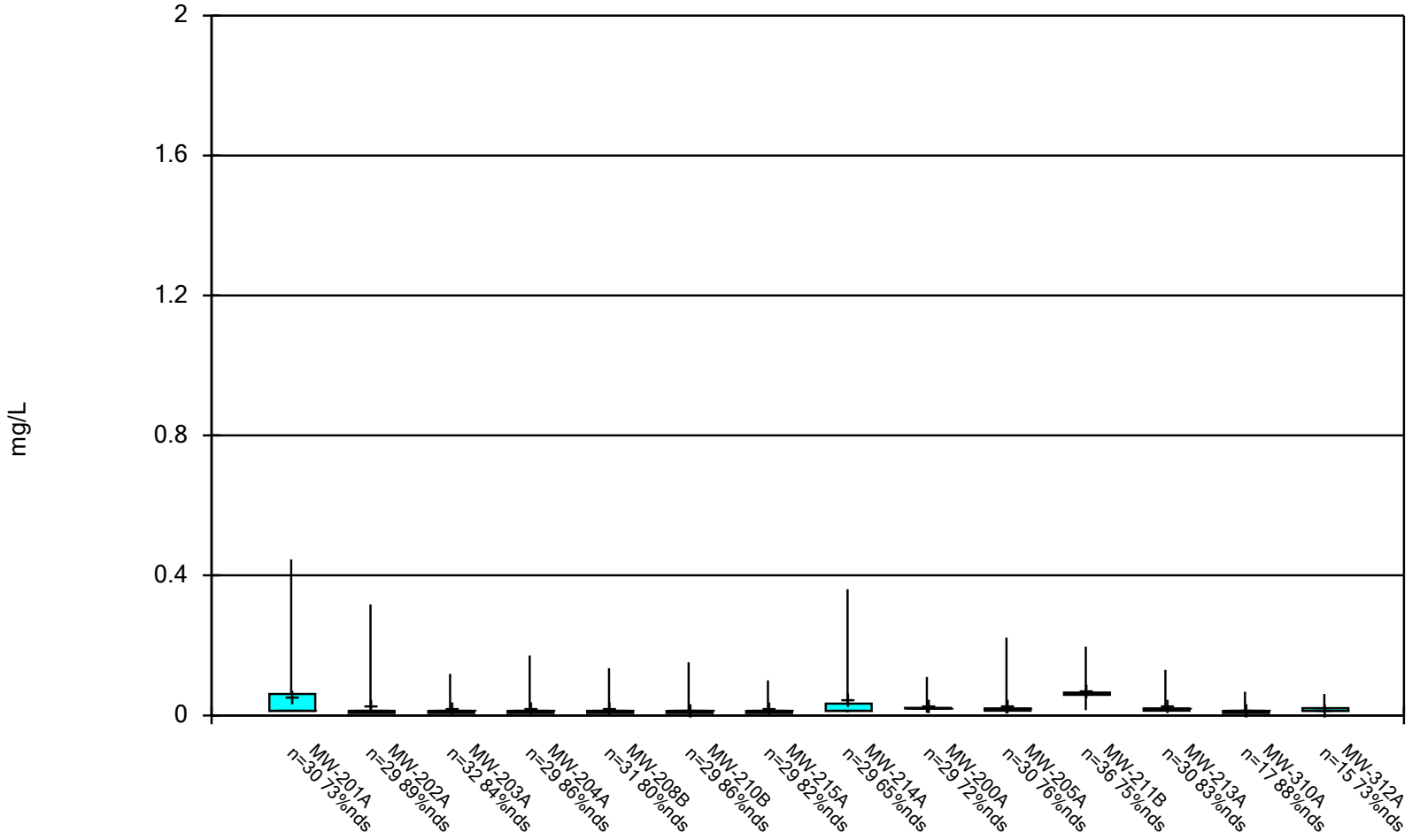


Constituent: Zinc Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

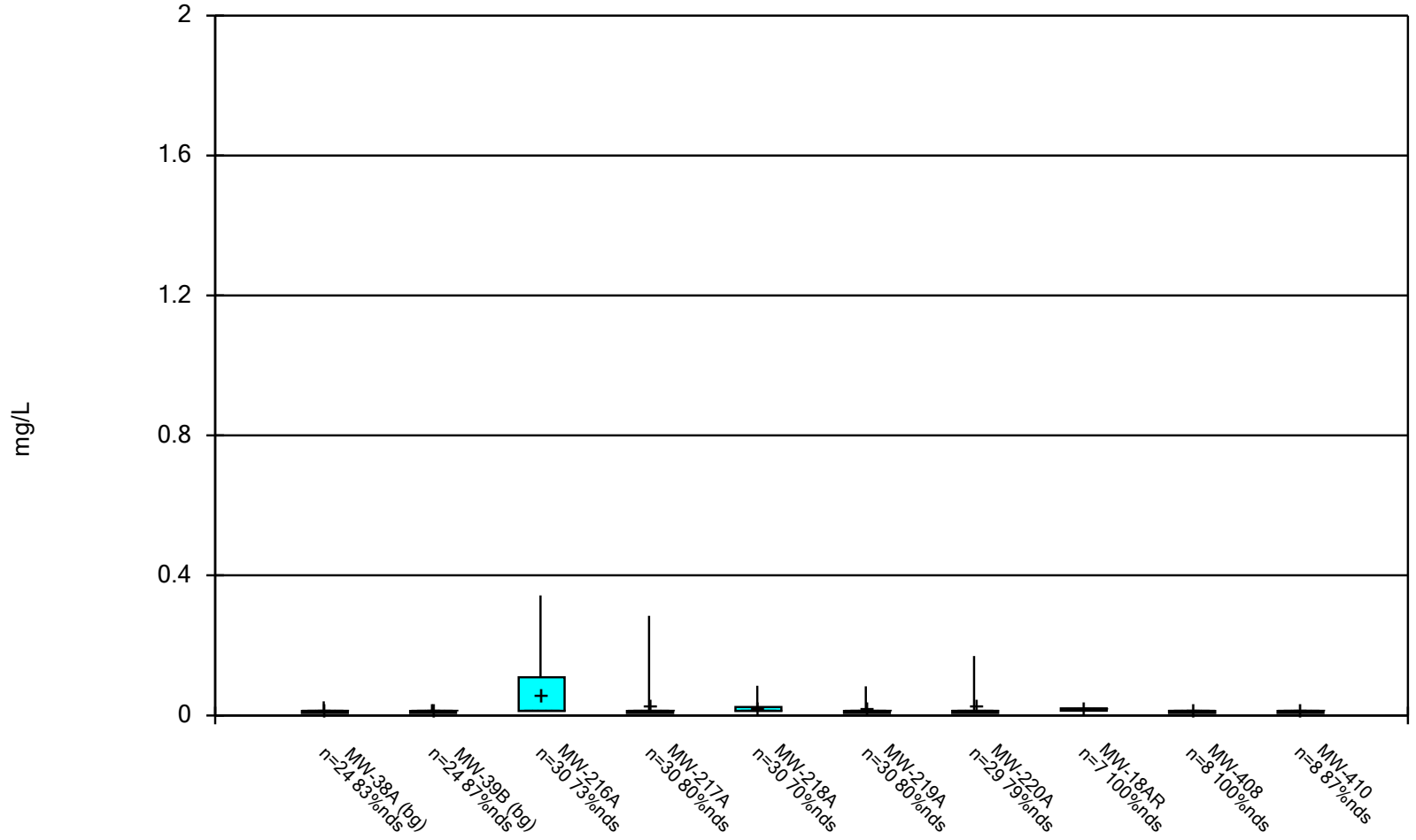


Constituent: Zinc Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: Zinc Analysis Run 7/13/2025 8:16 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Antimony (mg/L)	MW-34A (bg)	36	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-1B	36	0.0009885	0.000069	0.0000115	0.001	0.000586	0.001	97.22
Antimony (mg/L)	MW-5B	31	0.0009259	0.0002302	0.00004135	0.001	0.000201	0.001	90.32
Antimony (mg/L)	MW-7B1	31	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-8B	31	0.0009749	0.0001399	0.00002513	0.001	0.000221	0.001	96.77
Antimony (mg/L)	MW-10B	13	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-12B	29	0.002	0	0	0.002	0.002	0.002	100
Antimony (mg/L)	MW-14B	31	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-17A-00	30	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-23A	30	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-24A	29	0.0009748	0.0001356	0.00002517	0.001	0.00027	0.001	96.55
Antimony (mg/L)	MW-25A-00	37	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-29A	30	0.001968	0.0001734	0.00003167	0.002	0.00105	0.002	96.67
Antimony (mg/L)	MW-31B	39	0.0009833	0.00008298	0.00001329	0.001	0.0005	0.001	92.31
Antimony (mg/L)	MW-201A	26	0.0009678	0.0001641	0.00003219	0.001	0.000163	0.001	96.15
Antimony (mg/L)	MW-202A	28	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-203A	28	0.0009884	0.00006123	0.00001157	0.001	0.000676	0.001	96.43
Antimony (mg/L)	MW-204A	28	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-208B	27	0.0009718	0.0001465	0.00002819	0.001	0.000239	0.001	96.3
Antimony (mg/L)	MW-210B	28	0.0009705	0.0001563	0.00002954	0.001	0.000173	0.001	96.43
Antimony (mg/L)	MW-215A	27	0.001768	0.000531	0.0001022	0.002	0.000249	0.002	81.48
Antimony (mg/L)	MW-214A	27	0.0009331	0.0001971	0.00003793	0.001	0.000257	0.001	88.89
Antimony (mg/L)	MW-200A	27	0.002	0	0	0.002	0.002	0.002	100
Antimony (mg/L)	MW-205A	29	0.002	0	0	0.002	0.002	0.002	100
Antimony (mg/L)	MW-211B	33	0.004855	0.0008321	0.0001448	0.005	0.00022	0.005	96.97
Antimony (mg/L)	MW-213A	29	0.00195	0.0002683	0.00004983	0.002	0.000555	0.002	96.55
Antimony (mg/L)	MW-310A	17	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-312A	15	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-38A (bg)	25	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-39B (bg)	24	0.0009443	0.0001952	0.00003984	0.001	0.000163	0.001	91.67
Antimony (mg/L)	MW-216A	30	0.0009961	0.00002154	0.000003933	0.001	0.000882	0.001	96.67
Antimony (mg/L)	MW-217A	30	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-218A	30	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-219A	30	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-220A	30	0.001	0	0	0.001	0.001	0.001	100
Antimony (mg/L)	MW-18AR	7	0.001953	0.0001247	0.00004714	0.002	0.00167	0.002	85.71
Antimony (mg/L)	MW-408	8	0.0009375	0.0001768	0.0000625	0.001	0.0005	0.001	87.5
Antimony (mg/L)	MW-410	8	0.001	0	0	0.001	0.001	0.001	100
Arsenic (mg/L)	MW-34A (bg)	41	0.001885	0.0008847	0.0001382	0.002	0.000485	0.00585	56.1
Arsenic (mg/L)	MW-1B	35	0.0007265	0.0005524	0.00009337	0.00053	0.00053	0.0029	82.86
Arsenic (mg/L)	MW-5B	35	0.001661	0.000774	0.0001308	0.00164	0.000655	0.0044	25.71
Arsenic (mg/L)	MW-7B1	35	0.004784	0.002684	0.0004537	0.004	0.00163	0.012	0
Arsenic (mg/L)	MW-8B	34	0.0263	0.01547	0.002653	0.02165	0.0105	0.08	0
Arsenic (mg/L)	MW-10B	28	0.0005582	0.0001523	0.00002878	0.00053	0.00028	0.0012	89.29
Arsenic (mg/L)	MW-12B	35	0.006107	0.004151	0.0007017	0.00613	0.000594	0.013	11.43
Arsenic (mg/L)	MW-14B	35	0.003124	0.001752	0.0002961	0.0025	0.000963	0.00777	2.857
Arsenic (mg/L)	MW-17A-00	32	0.0008198	0.0008561	0.0001513	0.00053	0.00053	0.004	75
Arsenic (mg/L)	MW-23A	32	0.00126	0.001732	0.0003062	0.00053	0.00053	0.0082	71.88
Arsenic (mg/L)	MW-24A	38	0.005416	0.005511	0.0008939	0.00346	0.0005	0.0217	7.895
Arsenic (mg/L)	MW-25A-00	36	0.0008226	0.00125	0.0002083	0.00053	0.00053	0.008	80.56

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Arsenic (mg/L)	MW-29A	36	0.0007191	0.0004713	0.00007855	0.00053	0.000378	0.003	69.44
Arsenic (mg/L)	MW-31B	39	0.001461	0.002163	0.0003464	0.00053	0.00053	0.012	58.97
Arsenic (mg/L)	MW-201A	37	0.005703	0.01049	0.001725	0.00053	0.000223	0.054	48.65
Arsenic (mg/L)	MW-202A	35	0.001328	0.002266	0.0003831	0.00053	0.00053	0.011	74.29
Arsenic (mg/L)	MW-203A	33	0.0006656	0.0003517	0.00006123	0.00053	0.000346	0.00195	75.76
Arsenic (mg/L)	MW-204A	35	0.05212	0.03504	0.005924	0.0538	0.0005	0.105	2.857
Arsenic (mg/L)	MW-208B	34	0.005546	0.005439	0.0009328	0.00309	0.000921	0.0217	5.882
Arsenic (mg/L)	MW-210B	35	0.003135	0.003788	0.0006404	0.002	0.000865	0.0202	25.71
Arsenic (mg/L)	MW-215A	32	0.002415	0.001372	0.0002425	0.002	0.000593	0.0052	12.5
Arsenic (mg/L)	MW-214A	32	0.001709	0.001795	0.0003174	0.000696	0.00053	0.0062	50
Arsenic (mg/L)	MW-200A	35	0.001062	0.001419	0.0002398	0.00053	0.00053	0.0057	80
Arsenic (mg/L)	MW-205A	34	0.03458	0.03555	0.006097	0.0251	0.00232	0.151	0
Arsenic (mg/L)	MW-211B	36	0.008813	0.02321	0.003869	0.002	0.000799	0.139	30.56
Arsenic (mg/L)	MW-213A	34	0.004401	0.003618	0.0006206	0.004	0.000614	0.015	35.29
Arsenic (mg/L)	MW-310A	30	0.00053	0	0	0.00053	0.00053	0.00053	100
Arsenic (mg/L)	MW-312A	17	0.0005576	0.000114	0.00002765	0.00053	0.00053	0.001	94.12
Arsenic (mg/L)	MW-38A (bg)	25	0.001461	0.004327	0.0008654	0.00053	0.000261	0.0222	80
Arsenic (mg/L)	MW-39B (bg)	24	0.0008123	0.0009134	0.0001864	0.00053	0.000446	0.00466	83.33
Arsenic (mg/L)	MW-216A	30	0.002691	0.004168	0.000761	0.00053	0.00053	0.0162	56.67
Arsenic (mg/L)	MW-217A	30	0.001016	0.001666	0.0003042	0.00053	0.00053	0.00782	86.67
Arsenic (mg/L)	MW-218A	30	0.0006083	0.0002783	0.00005081	0.00053	0.000309	0.00172	86.67
Arsenic (mg/L)	MW-219A	30	0.000597	0.000308	0.00005623	0.00053	0.000441	0.00216	90
Arsenic (mg/L)	MW-220A	29	0.0007862	0.0005412	0.0001005	0.00053	0.00053	0.00222	75.86
Arsenic (mg/L)	MW-18AR	14	0.0009446	0.0005644	0.0001508	0.000547	0.00053	0.0023	50
Arsenic (mg/L)	MW-408	14	0.0006207	0.0003394	0.00009071	0.00053	0.00053	0.0018	92.86
Arsenic (mg/L)	MW-410	8	0.0006591	0.0003047	0.0001077	0.00053	0.00053	0.0014	75
Barium (mg/L)	MW-34A (bg)	43	0.2094	0.0592	0.009028	0.196	0.125	0.368	0
Barium (mg/L)	MW-1B	39	0.4656	0.1054	0.01687	0.471	0.159	0.644	0
Barium (mg/L)	MW-5B	36	0.1791	0.03961	0.006602	0.1745	0.0824	0.273	0
Barium (mg/L)	MW-7B1	36	0.5377	0.09485	0.01581	0.4978	0.42	0.732	0
Barium (mg/L)	MW-8B	36	0.62	0.2591	0.04319	0.6025	0.22	1.44	0
Barium (mg/L)	MW-10B	13	0.1322	0.01874	0.005198	0.131	0.0972	0.164	0
Barium (mg/L)	MW-12B	34	0.5847	0.2246	0.03852	0.6715	0.243	0.866	0
Barium (mg/L)	MW-14B	36	0.4358	0.06075	0.01012	0.427	0.33	0.544	0
Barium (mg/L)	MW-17A-00	35	0.4593	0.05373	0.009083	0.462	0.366	0.562	0
Barium (mg/L)	MW-23A	34	0.3158	0.02774	0.004758	0.3155	0.27	0.373	0
Barium (mg/L)	MW-24A	38	0.3632	0.07891	0.0128	0.345	0.263	0.605	0
Barium (mg/L)	MW-25A-00	40	0.1403	0.05401	0.008539	0.145	0.005	0.237	2.5
Barium (mg/L)	MW-29A	40	0.1417	0.04647	0.007348	0.1265	0.0926	0.286	0
Barium (mg/L)	MW-31B	42	0.3552	0.1235	0.01906	0.361	0.169	0.6125	0
Barium (mg/L)	MW-201A	37	0.4396	0.2494	0.041	0.342	0.154	1.15	0
Barium (mg/L)	MW-202A	35	0.3581	0.06129	0.01036	0.368	0.232	0.451	0
Barium (mg/L)	MW-203A	35	0.3105	0.0429	0.007251	0.311	0.235	0.415	0
Barium (mg/L)	MW-204A	35	0.1691	0.02467	0.00417	0.17	0.0996	0.215	0
Barium (mg/L)	MW-208B	34	0.6304	0.2446	0.04194	0.6945	0.0557	0.968	0
Barium (mg/L)	MW-210B	34	0.2766	0.06674	0.01145	0.273	0.113	0.434	0
Barium (mg/L)	MW-215A	32	0.1923	0.105	0.01855	0.1375	0.0787	0.366	0
Barium (mg/L)	MW-214A	31	0.2836	0.04987	0.008956	0.278	0.169	0.406	0
Barium (mg/L)	MW-200A	36	0.7278	0.1963	0.03272	0.7385	0.41	1.08	0
Barium (mg/L)	MW-205A	34	0.4234	0.1772	0.03039	0.37	0.18	1.02	0

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Barium (mg/L)	MW-211B	36	0.6034	0.4148	0.06913	0.5585	0.229	2.72	0
Barium (mg/L)	MW-213A	34	0.2578	0.1681	0.02883	0.274	0.0384	0.667	0
Barium (mg/L)	MW-310A	18	0.09606	0.04052	0.009551	0.0883	0.0522	0.2	0
Barium (mg/L)	MW-312A	15	0.1849	0.03032	0.007829	0.174	0.157	0.259	0
Barium (mg/L)	MW-38A (bg)	25	0.2965	0.1193	0.02386	0.293	0.183	0.806	0
Barium (mg/L)	MW-39B (bg)	24	0.1733	0.03788	0.007732	0.166	0.125	0.31	0
Barium (mg/L)	MW-216A	29	0.3289	0.2273	0.04221	0.282	0.0508	0.906	0
Barium (mg/L)	MW-217A	28	0.1017	0.0498	0.009412	0.08955	0.0614	0.274	0
Barium (mg/L)	MW-218A	30	0.2405	0.02902	0.005299	0.2315	0.193	0.302	0
Barium (mg/L)	MW-219A	30	0.5116	0.1285	0.02346	0.549	0.199	0.708	0
Barium (mg/L)	MW-220A	28	0.3083	0.06618	0.01251	0.2935	0.238	0.559	0
Barium (mg/L)	MW-18AR	14	0.7051	0.1514	0.04046	0.7345	0.416	0.941	0
Barium (mg/L)	MW-408	8	0.1755	0.01143	0.00404	0.1765	0.157	0.194	0
Barium (mg/L)	MW-410	8	0.09853	0.008646	0.003057	0.09895	0.0862	0.114	0
Beryllium (mg/L)	MW-34A (bg)	43	0.0003472	0.0001128	0.00001721	0.00033	0.00033	0.00107	97.67
Beryllium (mg/L)	MW-1B	36	0.0003236	0.00003833	0.000006389	0.00033	0.0001	0.00033	97.22
Beryllium (mg/L)	MW-5B	30	0.0003213	0.00004783	0.000008733	0.00033	0.000068	0.00033	96.67
Beryllium (mg/L)	MW-7B1	30	0.0003937	0.0002427	0.00004431	0.00033	0.00033	0.00134	93.33
Beryllium (mg/L)	MW-8B	33	0.0004937	0.0005186	0.00009027	0.00033	0.000085	0.00237	81.82
Beryllium (mg/L)	MW-10B	13	0.00033	0	0	0.00033	0.00033	0.00033	100
Beryllium (mg/L)	MW-12B	28	0.004	0	0	0.004	0.004	0.004	100
Beryllium (mg/L)	MW-14B	30	0.00033	0	0	0.00033	0.00033	0.00033	100
Beryllium (mg/L)	MW-17A-00	30	0.00033	0	0	0.00033	0.00033	0.00033	100
Beryllium (mg/L)	MW-23A	30	0.0003923	0.0003414	0.00006233	0.00033	0.00033	0.0022	96.67
Beryllium (mg/L)	MW-24A	29	0.0003154	0.00005496	0.00001021	0.00033	0.000097	0.00033	93.1
Beryllium (mg/L)	MW-25A-00	37	0.0003248	0.0000314	0.000005162	0.00033	0.000139	0.00033	97.3
Beryllium (mg/L)	MW-29A	30	0.00033	0	0	0.00033	0.00033	0.00033	100
Beryllium (mg/L)	MW-31B	39	0.0004168	0.0003147	0.0000504	0.00033	0.00033	0.00205	84.62
Beryllium (mg/L)	MW-201A	30	0.0007583	0.0008363	0.0001527	0.00033	0.00033	0.00332	70
Beryllium (mg/L)	MW-202A	28	0.00033	0	0	0.00033	0.00033	0.00033	100
Beryllium (mg/L)	MW-203A	28	0.00033	0	0	0.00033	0.00033	0.00033	100
Beryllium (mg/L)	MW-204A	28	0.00033	0	0	0.00033	0.00033	0.00033	100
Beryllium (mg/L)	MW-208B	27	0.00033	0	0	0.00033	0.00033	0.00033	100
Beryllium (mg/L)	MW-210B	28	0.0003261	0.00002079	0.000003929	0.00033	0.00022	0.00033	96.43
Beryllium (mg/L)	MW-215A	27	0.00033	0	0	0.00033	0.00033	0.00033	100
Beryllium (mg/L)	MW-214A	30	0.0004024	0.0003943	0.00007198	0.00033	0.000127	0.00246	83.33
Beryllium (mg/L)	MW-200A	29	0.003792	0.0008151	0.0001514	0.004	0.00007	0.004	93.1
Beryllium (mg/L)	MW-205A	27	0.003714	0.001031	0.0001985	0.004	0.0001	0.004	92.59
Beryllium (mg/L)	MW-211B	33	0.001654	0.0001756	0.00003057	0.00165	0.00101	0.00241	93.94
Beryllium (mg/L)	MW-213A	27	0.003792	0.00075	0.0001443	0.004	0.00115	0.004	92.59
Beryllium (mg/L)	MW-310A	17	0.00033	0	0	0.00033	0.00033	0.00033	100
Beryllium (mg/L)	MW-312A	15	0.0003213	0.00003357	0.000008667	0.00033	0.0002	0.00033	93.33
Beryllium (mg/L)	MW-38A (bg)	24	0.0003189	0.0000543	0.00001108	0.00033	0.000064	0.00033	95.83
Beryllium (mg/L)	MW-39B (bg)	24	0.0003429	0.00006307	0.00001287	0.00033	0.00033	0.000639	95.83
Beryllium (mg/L)	MW-216A	28	0.000779	0.001149	0.0002172	0.00033	0.000041	0.0048	78.57
Beryllium (mg/L)	MW-217A	30	0.0005115	0.0008511	0.0001554	0.00033	0.000...	0.00487	90
Beryllium (mg/L)	MW-218A	30	0.00033	0	0	0.00033	0.00033	0.00033	100
Beryllium (mg/L)	MW-219A	30	0.0003234	0.00003633	0.000006633	0.00033	0.000131	0.00033	96.67
Beryllium (mg/L)	MW-220A	30	0.000702	0.001095	0.0001999	0.00033	0.00033	0.00565	83.33
Beryllium (mg/L)	MW-18AR	7	0.004	0	0	0.004	0.004	0.004	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Beryllium (mg/L)	MW-408	8	0.0003013	0.00008132	0.00002875	0.00033	0.0001	0.00033	87.5
Beryllium (mg/L)	MW-410	8	0.00033	0	0	0.00033	0.00033	0.00033	100
Cadmium (mg/L)	MW-34A (bg)	37	0.0001	0	0	0.0001	0.0001	0.0001	100
Cadmium (mg/L)	MW-1B	35	0.00009989	6.8e-7	1.1e-7	0.0001	0.000096	0.0001	94.29
Cadmium (mg/L)	MW-5B	29	0.00009572	0.00001357	0.00000252	0.0001	0.000048	0.0001	89.66
Cadmium (mg/L)	MW-7B1	29	0.0001	0	0	0.0001	0.0001	0.0001	100
Cadmium (mg/L)	MW-8B	29	0.0001246	0.0001423	0.00002643	0.0001	0.00005	0.000863	93.1
Cadmium (mg/L)	MW-10B	13	0.0001231	0.00006595	0.00001829	0.0001	0.0001	0.000334	76.92
Cadmium (mg/L)	MW-12B	27	0.0005709	0.0003308	0.00006366	0.0008	0.000077	0.0008	66.67
Cadmium (mg/L)	MW-14B	29	0.00009024	0.00001846	0.000003429	0.0001	0.000046	0.000106	68.97
Cadmium (mg/L)	MW-17A-00	29	0.0001	0	0	0.0001	0.0001	0.0001	100
Cadmium (mg/L)	MW-23A	29	0.0001368	0.0002046	0.00003799	0.0001	0.000067	0.0012	93.1
Cadmium (mg/L)	MW-24A	29	0.0001283	0.0001002	0.00001861	0.0001	0.0001	0.00058	89.66
Cadmium (mg/L)	MW-25A-00	36	0.0001	0	0	0.0001	0.0001	0.0001	100
Cadmium (mg/L)	MW-29A	29	0.00009566	0.00001407	0.000002613	0.0001	0.000036	0.0001	89.66
Cadmium (mg/L)	MW-31B	39	0.0001357	0.00009288	0.00001487	0.0001	0.0001	0.00045	84.62
Cadmium (mg/L)	MW-201A	27	0.0001	0	0	0.0001	0.0001	0.0001	100
Cadmium (mg/L)	MW-202A	29	0.0001	0	0	0.0001	0.0001	0.0001	100
Cadmium (mg/L)	MW-203A	29	0.0000979	0.00001133	0.000002103	0.0001	0.000039	0.0001	96.55
Cadmium (mg/L)	MW-204A	29	0.00009531	0.00001411	0.00000262	0.0001	0.000045	0.0001	86.21
Cadmium (mg/L)	MW-208B	31	0.000157	0.0001396	0.00002507	0.0001	0.000055	0.000605	67.74
Cadmium (mg/L)	MW-210B	32	0.0005957	0.0004569	0.00008077	0.0006225	0.0001	0.00172	34.38
Cadmium (mg/L)	MW-215A	27	0.0006402	0.0003048	0.00005867	0.0008	0.000045	0.0008	77.78
Cadmium (mg/L)	MW-214A	27	0.0001036	0.00001444	0.000002778	0.0001	0.0001	0.000172	92.59
Cadmium (mg/L)	MW-200A	29	0.0008	0	0	0.0008	0.0008	0.0008	100
Cadmium (mg/L)	MW-205A	29	0.0007807	0.0001042	0.00001934	0.0008	0.000239	0.0008	96.55
Cadmium (mg/L)	MW-211B	34	0.0005054	0.0002149	0.00003686	0.0005	0.000115	0.00145	70.59
Cadmium (mg/L)	MW-213A	29	0.0006	0.0003158	0.00005864	0.0008	0.00005	0.0008	68.97
Cadmium (mg/L)	MW-310A	17	0.0001	0	0	0.0001	0.0001	0.0001	100
Cadmium (mg/L)	MW-312A	15	0.0001067	0.00002582	0.000006667	0.0001	0.0001	0.0002	93.33
Cadmium (mg/L)	MW-38A (bg)	25	0.0001652	0.000326	0.0000652	0.0001	0.0001	0.00173	96
Cadmium (mg/L)	MW-39B (bg)	24	0.0001511	0.0001245	0.00002541	0.0001	0.000054	0.000521	50
Cadmium (mg/L)	MW-216A	30	0.0002459	0.0003845	0.0000702	0.0001	0.000036	0.00157	70
Cadmium (mg/L)	MW-217A	29	0.0001	0	0	0.0001	0.0001	0.0001	100
Cadmium (mg/L)	MW-218A	30	0.0001001	3.7e-7	6.7e-8	0.0001	0.0001	0.000102	96.67
Cadmium (mg/L)	MW-219A	29	0.0001	0	0	0.0001	0.0001	0.0001	100
Cadmium (mg/L)	MW-220A	30	0.0003093	0.0006034	0.0001102	0.0001	0.000038	0.00251	80
Cadmium (mg/L)	MW-18AR	7	0.000692	0.0002857	0.000108	0.0008	0.000044	0.0008	85.71
Cadmium (mg/L)	MW-408	7	0.0001891	0.00008914	0.00003369	0.00015	0.0001	0.000359	0
Cadmium (mg/L)	MW-410	8	0.0001	0	0	0.0001	0.0001	0.0001	100
Chromium (mg/L)	MW-34A (bg)	33	0.001855	0.0005263	0.00009162	0.0018	0.000794	0.00462	93.94
Chromium (mg/L)	MW-1B	35	0.001771	0.000169	0.00002857	0.0018	0.0008	0.0018	97.14
Chromium (mg/L)	MW-5B	29	0.001696	0.000325	0.00006034	0.0018	0.000514	0.0018	86.21
Chromium (mg/L)	MW-7B1	29	0.0018	0	0	0.0018	0.0018	0.0018	100
Chromium (mg/L)	MW-8B	29	0.001881	0.0006374	0.0001184	0.0018	0.000867	0.00507	93.1
Chromium (mg/L)	MW-10B	13	0.0018	0	0	0.0018	0.0018	0.0018	100
Chromium (mg/L)	MW-12B	27	0.007839	0.0008391	0.0001615	0.008	0.00364	0.008	96.3
Chromium (mg/L)	MW-14B	29	0.001852	0.0002823	0.00005241	0.0018	0.0018	0.00332	96.55
Chromium (mg/L)	MW-17A-00	29	0.001801	0.0002364	0.00004389	0.0018	0.00138	0.00286	62.07
Chromium (mg/L)	MW-23A	29	0.001835	0.0002767	0.00005137	0.0018	0.00109	0.0026	58.62

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Chromium (mg/L)	MW-24A	29	0.0018	0	0	0.0018	0.0018	0.0018	100
Chromium (mg/L)	MW-25A-00	36	0.001574	0.000373	0.00006217	0.0018	0.000839	0.00224	63.89
Chromium (mg/L)	MW-29A	29	0.0018	0	0	0.0018	0.0018	0.0018	100
Chromium (mg/L)	MW-31B	39	0.001688	0.001573	0.0002519	0.0012	0.000597	0.00988	71.79
Chromium (mg/L)	MW-201A	27	0.02702	0.08459	0.01628	0.0018	0.0008	0.405	81.48
Chromium (mg/L)	MW-202A	29	0.001749	0.000357	0.0000663	0.0018	0.000855	0.00273	55.17
Chromium (mg/L)	MW-203A	29	0.01175	0.008721	0.00162	0.02	0.00134	0.02	51.72
Chromium (mg/L)	MW-204A	29	0.001746	0.0002091	0.00003883	0.0018	0.000803	0.0018	93.1
Chromium (mg/L)	MW-208B	28	0.002512	0.003479	0.0006574	0.0018	0.0018	0.0202	92.86
Chromium (mg/L)	MW-210B	29	0.0018	0	0	0.0018	0.0018	0.0018	100
Chromium (mg/L)	MW-215A	27	0.004301	0.001484	0.0002856	0.005	0.000675	0.00625	74.07
Chromium (mg/L)	MW-214A	28	0.002779	0.001671	0.0003158	0.0018	0.000443	0.0072	53.57
Chromium (mg/L)	MW-200A	28	0.007094	0.002359	0.0004457	0.008	0.000459	0.008	85.71
Chromium (mg/L)	MW-205A	29	0.007035	0.002463	0.0004574	0.008	0.000421	0.008	86.21
Chromium (mg/L)	MW-211B	35	0.01042	0.009944	0.001681	0.009	0.0007	0.067	94.29
Chromium (mg/L)	MW-213A	29	0.008	0	0	0.008	0.008	0.008	100
Chromium (mg/L)	MW-310A	17	0.0018	0	0	0.0018	0.0018	0.0018	100
Chromium (mg/L)	MW-312A	15	0.002005	0.001166	0.0003011	0.0018	0.0006	0.00607	86.67
Chromium (mg/L)	MW-38A (bg)	25	0.01026	0.01271	0.002543	0.00272	0.00182	0.0477	24
Chromium (mg/L)	MW-39B (bg)	24	0.002517	0.003187	0.0006505	0.0018	0.0018	0.0174	91.67
Chromium (mg/L)	MW-216A	29	0.001707	0.0002802	0.00005204	0.0018	0.0008	0.0018	89.66
Chromium (mg/L)	MW-217A	28	0.001556	0.0003819	0.00007217	0.001475	0.000744	0.0028	35.71
Chromium (mg/L)	MW-218A	30	0.001734	0.0002612	0.00004769	0.0018	0.000528	0.0018	93.33
Chromium (mg/L)	MW-219A	30	0.0018	0	0	0.0018	0.0018	0.0018	100
Chromium (mg/L)	MW-220A	29	0.001783	0.00009285	0.00001724	0.0018	0.0013	0.0018	96.55
Chromium (mg/L)	MW-18AR	7	0.008	0	0	0.008	0.008	0.008	100
Chromium (mg/L)	MW-408	8	0.0018	1.1e-11	3.9e-12	0.0018	0.0018	0.0018	87.5
Chromium (mg/L)	MW-410	8	0.0018	0	0	0.0018	0.0018	0.0018	100
Cobalt (mg/L)	MW-34A (bg)	43	0.000608	0.001318	0.000201	0.00017	0.000049	0.0074	67.44
Cobalt (mg/L)	MW-1B	36	0.0003455	0.000743	0.0001238	0.00017	0.00006	0.00417	58.33
Cobalt (mg/L)	MW-5B	33	0.001312	0.00152	0.0002645	0.0005	0.000111	0.00548	39.39
Cobalt (mg/L)	MW-7B1	33	0.0007736	0.0009238	0.0001608	0.0005	0.000106	0.0034	42.42
Cobalt (mg/L)	MW-8B	34	0.003108	0.003536	0.0006064	0.00239	0.0006	0.0151	26.47
Cobalt (mg/L)	MW-10B	13	0.0002899	0.0003952	0.0001096	0.00017	0.00017	0.0016	84.62
Cobalt (mg/L)	MW-12B	31	0.008196	0.007419	0.001332	0.0081	0.000328	0.02	22.58
Cobalt (mg/L)	MW-14B	33	0.008932	0.00612	0.001065	0.00703	0.00118	0.02	21.21
Cobalt (mg/L)	MW-17A-00	33	0.000237	0.0003847	0.00006697	0.00017	0.00017	0.00238	96.97
Cobalt (mg/L)	MW-23A	33	0.0008013	0.001395	0.0002429	0.0005	0.000243	0.00817	60.61
Cobalt (mg/L)	MW-24A	35	0.01118	0.005024	0.0008493	0.01	0.00394	0.02	20
Cobalt (mg/L)	MW-25A-00	37	0.0004502	0.0008259	0.0001358	0.00017	0.000058	0.00331	72.97
Cobalt (mg/L)	MW-29A	37	0.001178	0.001584	0.0002604	0.0005	0.000061	0.00701	43.24
Cobalt (mg/L)	MW-31B	39	0.003906	0.003302	0.0005287	0.0034	0.000195	0.0107	35.9
Cobalt (mg/L)	MW-201A	37	0.001048	0.001792	0.0002946	0.00017	0.000092	0.0089	51.35
Cobalt (mg/L)	MW-202A	31	0.0001642	0.00003507	0.000006299	0.00017	0.000038	0.000245	90.32
Cobalt (mg/L)	MW-203A	31	0.0005735	0.001905	0.0003421	0.00017	0.000035	0.0106	80.65
Cobalt (mg/L)	MW-204A	35	0.001916	0.001813	0.0003064	0.00165	0.0001	0.0064	31.43
Cobalt (mg/L)	MW-208B	34	0.01315	0.006773	0.001162	0.0142	0.000268	0.0337	14.71
Cobalt (mg/L)	MW-210B	35	0.005933	0.001238	0.0002092	0.00614	0.0029	0.0093	17.14
Cobalt (mg/L)	MW-215A	32	0.00154	0.00086	0.000152	0.001555	0.000115	0.00335	31.25
Cobalt (mg/L)	MW-214A	33	0.0007398	0.001206	0.00021	0.00017	0.000053	0.00465	60.61

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Cobalt (mg/L)	MW-200A	36	0.001042	0.002398	0.0003997	0.00017	0.000051	0.0106	63.89
Cobalt (mg/L)	MW-205A	34	0.0007842	0.001267	0.0002172	0.000185	0.000155	0.00643	41.18
Cobalt (mg/L)	MW-211B	36	0.04001	0.04047	0.006745	0.03055	0.00484	0.223	0
Cobalt (mg/L)	MW-213A	34	0.01168	0.008358	0.001433	0.0103	0.000417	0.0293	0
Cobalt (mg/L)	MW-310A	28	0.0001563	0.00004521	0.000008544	0.00017	0.000053	0.0003	60.71
Cobalt (mg/L)	MW-312A	15	0.0005612	0.0008306	0.0002145	0.00017	0.00017	0.0029	73.33
Cobalt (mg/L)	MW-38A (bg)	25	0.0006718	0.001917	0.0003835	0.00017	0.000074	0.00939	80
Cobalt (mg/L)	MW-39B (bg)	24	0.00196	0.002287	0.0004669	0.000949	0.000204	0.009	16.67
Cobalt (mg/L)	MW-216A	30	0.006617	0.01334	0.002436	0.0001745	0.000054	0.0437	26.67
Cobalt (mg/L)	MW-217A	28	0.001011	0.002951	0.0005576	0.00017	0.000041	0.015	71.43
Cobalt (mg/L)	MW-218A	30	0.0006254	0.001335	0.0002437	0.00017	0.000048	0.00594	76.67
Cobalt (mg/L)	MW-219A	30	0.0007359	0.001512	0.0002761	0.00017	0.00009	0.00508	80
Cobalt (mg/L)	MW-220A	30	0.005326	0.0181	0.003304	0.00017	0.000107	0.0941	76.67
Cobalt (mg/L)	MW-18AR	14	0.001127	0.0008117	0.0002169	0.00115	0.00017	0.00219	35.71
Cobalt (mg/L)	MW-408	7	0.0003999	0.0003288	0.0001243	0.0003	0.00017	0.00109	28.57
Cobalt (mg/L)	MW-410	12	0.0008443	0.0007504	0.0002166	0.000611	0.000085	0.00255	8.333
Copper (mg/L)	MW-34A (bg)	36	0.003267	0.0003733	0.00006221	0.0032	0.00287	0.00534	91.67
Copper (mg/L)	MW-1B	35	0.00257	0.004439	0.0007503	0.0018	0.000772	0.028	91.43
Copper (mg/L)	MW-5B	31	0.003057	0.0006261	0.0001124	0.0032	0.00129	0.0052	67.74
Copper (mg/L)	MW-7B1	35	0.009948	0.01839	0.003108	0.0032	0.000636	0.095	74.29
Copper (mg/L)	MW-8B	35	0.007351	0.01255	0.002122	0.0032	0.0011	0.049	80
Copper (mg/L)	MW-10B	11	0.003055	0.0006276	0.0001892	0.0032	0.0012	0.00361	81.82
Copper (mg/L)	MW-12B	30	0.004427	0.005524	0.001009	0.0032	0.001	0.027	80
Copper (mg/L)	MW-14B	32	0.003043	0.0007803	0.0001379	0.0032	0.000491	0.00547	84.38
Copper (mg/L)	MW-17A-00	32	0.004913	0.005963	0.001054	0.0032	0.000915	0.028	84.38
Copper (mg/L)	MW-23A	32	0.006519	0.01528	0.002701	0.0032	0.0018	0.087	90.63
Copper (mg/L)	MW-24A	35	0.005228	0.007428	0.001256	0.0032	0.000601	0.031	77.14
Copper (mg/L)	MW-25A-00	36	0.003171	0.0001733	0.00002889	0.0032	0.00216	0.0032	97.22
Copper (mg/L)	MW-29A	36	0.003885	0.005202	0.0008671	0.0032	0.000857	0.034	80.56
Copper (mg/L)	MW-31B	39	0.01376	0.02745	0.004396	0.0032	0.000937	0.128	51.28
Copper (mg/L)	MW-201A	33	0.009812	0.01723	0.002999	0.0032	0.000737	0.07	63.64
Copper (mg/L)	MW-202A	32	0.004052	0.004918	0.0008694	0.0032	0.00267	0.031	93.75
Copper (mg/L)	MW-203A	32	0.004119	0.005651	0.000999	0.0032	0.000793	0.035	93.75
Copper (mg/L)	MW-204A	32	0.003815	0.001741	0.0003078	0.0032	0.000627	0.00924	71.88
Copper (mg/L)	MW-208B	25	0.003195	0.00003331	0.000006661	0.0032	0.00304	0.00324	92
Copper (mg/L)	MW-210B	31	0.00329	0.0008355	0.0001501	0.0032	0.00176	0.00636	64.52
Copper (mg/L)	MW-215A	30	0.003199	0.0009484	0.0001732	0.0032	0.000511	0.00519	63.33
Copper (mg/L)	MW-214A	31	0.003632	0.002353	0.0004225	0.0032	0.0013	0.0149	70.97
Copper (mg/L)	MW-200A	36	0.004067	0.006356	0.001059	0.0032	0.001	0.041	86.11
Copper (mg/L)	MW-205A	33	0.003845	0.004189	0.0007293	0.0032	0.0012	0.027	81.82
Copper (mg/L)	MW-211B	35	0.01585	0.01463	0.002472	0.016	0.000...	0.0888	68.57
Copper (mg/L)	MW-213A	33	0.00359	0.003858	0.0006716	0.0032	0.000564	0.0247	84.85
Copper (mg/L)	MW-310A	17	0.002976	0.0006399	0.0001552	0.0032	0.001	0.0032	88.24
Copper (mg/L)	MW-312A	15	0.002913	0.0007367	0.0001902	0.0032	0.0011	0.0032	80
Copper (mg/L)	MW-38A (bg)	25	0.002796	0.0007793	0.0001559	0.0032	0.000972	0.0032	76
Copper (mg/L)	MW-39B (bg)	23	0.003013	0.0006182	0.0001289	0.0032	0.0011	0.00376	78.26
Copper (mg/L)	MW-216A	27	0.002678	0.0007684	0.0001479	0.0032	0.00102	0.0032	62.96
Copper (mg/L)	MW-217A	30	0.008963	0.02379	0.004343	0.0032	0.000...	0.121	86.67
Copper (mg/L)	MW-218A	30	0.002931	0.0007259	0.0001325	0.0032	0.000698	0.00342	83.33
Copper (mg/L)	MW-219A	30	0.003661	0.003362	0.0006138	0.0032	0.000607	0.0209	83.33

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Copper (mg/L)	MW-220A	28	0.009256	0.01724	0.003258	0.0032	0.000635	0.0709	60.71
Copper (mg/L)	MW-18AR	12	0.00295	0.0005901	0.0001703	0.0032	0.0015	0.0032	83.33
Copper (mg/L)	MW-408	8	0.003336	0.000254	0.0000898	0.0032	0.0032	0.0038	75
Copper (mg/L)	MW-410	8	0.00252	0.0007689	0.0002718	0.0027	0.0013	0.0032	50
Cyanide (mg/L)	MW-34A (bg)	7	0.01	0	0	0.01	0.01	0.01	100
Cyanide (mg/L)	MW-1B	5	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-5B	5	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-7B1	5	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-8B	5	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-10B	1	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-12B	4	0.005	0	0	0.005	0.005	0.005	100
Cyanide (mg/L)	MW-14B	5	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-17A-00	5	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-23A	5	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-24A	5	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-25A-00	5	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-29A	14	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-31B	5	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-201A	4	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-202A	4	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-203A	4	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-204A	4	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-208B	4	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-210B	4	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-215A	4	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-214A	4	0.0035	0	0	0.0035	0.0035	0.0035	100
Cyanide (mg/L)	MW-200A	3	0.005	0	0	0.005	0.005	0.005	100
Cyanide (mg/L)	MW-205A	3	0.005	0	0	0.005	0.005	0.005	100
Cyanide (mg/L)	MW-211B	3	0.005	0	0	0.005	0.005	0.005	100
Cyanide (mg/L)	MW-213A	3	0.005	0	0	0.005	0.005	0.005	100
Cyanide (mg/L)	MW-310A	1	0.01	0	0	0.01	0.01	0.01	100
Cyanide (mg/L)	MW-312A	1	0.01	0	0	0.01	0.01	0.01	100
Cyanide (mg/L)	MW-216A	3	0.01	0	0	0.01	0.01	0.01	100
Cyanide (mg/L)	MW-217A	3	0.01	0	0	0.01	0.01	0.01	100
Cyanide (mg/L)	MW-218A	3	0.01	0	0	0.01	0.01	0.01	100
Cyanide (mg/L)	MW-219A	3	0.01	0	0	0.01	0.01	0.01	100
Cyanide (mg/L)	MW-220A	3	0.01	0	0	0.01	0.01	0.01	100
Cyanide (mg/L)	MW-18AR	2	0.005	0	0	0.005	0.005	0.005	100
Lead (mg/L)	MW-34A (bg)	41	0.0004885	0.0007928	0.0001238	0.00033	0.000198	0.00509	92.68
Lead (mg/L)	MW-1B	35	0.0004993	0.0007461	0.0001261	0.00033	0.000167	0.0042	91.43
Lead (mg/L)	MW-5B	32	0.0009538	0.001901	0.0003361	0.00033	0.000202	0.00892	62.5
Lead (mg/L)	MW-7B1	35	0.005642	0.009344	0.001579	0.00033	0.000301	0.041	60
Lead (mg/L)	MW-8B	34	0.006312	0.01357	0.002327	0.00033	0.000209	0.063	58.82
Lead (mg/L)	MW-10B	13	0.00033	0	0	0.00033	0.00033	0.00033	100
Lead (mg/L)	MW-12B	30	0.000364	0.0001862	0.000034	0.00033	0.00033	0.00135	96.67
Lead (mg/L)	MW-14B	32	0.00033	0	0	0.00033	0.00033	0.00033	100
Lead (mg/L)	MW-17A-00	32	0.0006531	0.001278	0.0002259	0.00033	0.00033	0.006	93.75
Lead (mg/L)	MW-23A	32	0.001837	0.006729	0.00119	0.00033	0.000...	0.038	78.13
Lead (mg/L)	MW-24A	35	0.0007374	0.001529	0.0002585	0.00033	0.00033	0.008	82.86
Lead (mg/L)	MW-25A-00	36	0.0004875	0.000945	0.0001575	0.00033	0.00033	0.006	97.22

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Lead (mg/L)	MW-29A	36	0.0004597	0.0007783	0.0001297	0.00033	0.00033	0.005	97.22
Lead (mg/L)	MW-31B	39	0.003416	0.003313	0.0005306	0.004	0.000388	0.018	38.46
Lead (mg/L)	MW-201A	37	0.01279	0.03183	0.005233	0.000444	0.00033	0.18	48.65
Lead (mg/L)	MW-202A	32	0.0006953	0.001888	0.0003337	0.00033	0.000135	0.011	87.5
Lead (mg/L)	MW-203A	32	0.001052	0.00236	0.0004172	0.00033	0.000111	0.012	84.38
Lead (mg/L)	MW-204A	32	0.0003558	0.0001198	0.00002118	0.00033	0.00011	0.000791	65.63
Lead (mg/L)	MW-208B	34	0.0005104	0.0008906	0.0001527	0.00033	0.000275	0.00544	91.18
Lead (mg/L)	MW-210B	33	0.0007334	0.0005614	0.00009773	0.0005	0.000282	0.00243	60.61
Lead (mg/L)	MW-215A	30	0.0007796	0.0005403	0.00009864	0.0005	0.000424	0.00272	53.33
Lead (mg/L)	MW-214A	33	0.002217	0.003778	0.0006576	0.00033	0.000201	0.014	63.64
Lead (mg/L)	MW-200A	36	0.001593	0.004764	0.000794	0.00033	0.000266	0.023	86.11
Lead (mg/L)	MW-205A	34	0.00133	0.003206	0.0005499	0.00033	0.000225	0.0165	67.65
Lead (mg/L)	MW-211B	35	0.003161	0.006738	0.001139	0.00165	0.000295	0.04	85.71
Lead (mg/L)	MW-213A	34	0.002409	0.003875	0.0006646	0.00033	0.000138	0.015	50
Lead (mg/L)	MW-310A	17	0.00033	0	0	0.00033	0.00033	0.00033	100
Lead (mg/L)	MW-312A	15	0.00033	0	0	0.00033	0.00033	0.00033	100
Lead (mg/L)	MW-38A (bg)	25	0.0007647	0.001413	0.0002825	0.00033	0.000229	0.00626	80
Lead (mg/L)	MW-39B (bg)	24	0.001272	0.002951	0.0006024	0.00033	0.00033	0.0128	75
Lead (mg/L)	MW-216A	30	0.003215	0.005748	0.00105	0.00033	0.00015	0.02	56.67
Lead (mg/L)	MW-217A	30	0.002315	0.008087	0.001476	0.00033	0.000...	0.0432	83.33
Lead (mg/L)	MW-218A	30	0.0005415	0.001234	0.0002253	0.00033	0.000104	0.00707	86.67
Lead (mg/L)	MW-219A	30	0.001009	0.002265	0.0004136	0.00033	0.00033	0.0115	86.67
Lead (mg/L)	MW-220A	30	0.002352	0.004689	0.000856	0.00033	0.00033	0.0197	76.67
Lead (mg/L)	MW-18AR	14	0.0003179	0.00004543	0.00001214	0.00033	0.00016	0.00033	85.71
Lead (mg/L)	MW-408	8	0.0003888	0.0001662	0.00005875	0.00033	0.00033	0.0008	87.5
Lead (mg/L)	MW-410	8	0.00033	0	0	0.00033	0.00033	0.00033	100
Mercury (mg/L)	MW-34A (bg)	2	0.0002	0	0	0.0002	0.0002	0.0002	100
Mercury (mg/L)	MW-1B	5	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-5B	5	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-7B1	5	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-8B	5	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-10B	1	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-12B	4	0.0005	0	0	0.0005	0.0005	0.0005	100
Mercury (mg/L)	MW-14B	5	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-17A-00	5	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-23A	5	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-24A	5	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-25A-00	5	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-29A	5	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-31B	5	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-201A	4	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-202A	4	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-203A	4	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-204A	4	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-208B	4	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-210B	4	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-215A	4	0.0001315	0.000043	0.0000215	0.00011	0.00011	0.000196	75
Mercury (mg/L)	MW-214A	4	0.00011	0	0	0.00011	0.00011	0.00011	100
Mercury (mg/L)	MW-200A	3	0.0005	0	0	0.0005	0.0005	0.0005	100
Mercury (mg/L)	MW-205A	3	0.0005	0	0	0.0005	0.0005	0.0005	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Mercury (mg/L)	MW-211B	3	0.0005	0	0	0.0005	0.0005	0.0005	100
Mercury (mg/L)	MW-213A	3	0.0005	0	0	0.0005	0.0005	0.0005	100
Mercury (mg/L)	MW-310A	1	0.0002	0	0	0.0002	0.0002	0.0002	100
Mercury (mg/L)	MW-312A	1	0.0002	0	0	0.0002	0.0002	0.0002	100
Mercury (mg/L)	MW-216A	3	0.0002	0	0	0.0002	0.0002	0.0002	100
Mercury (mg/L)	MW-217A	3	0.0002	0	0	0.0002	0.0002	0.0002	100
Mercury (mg/L)	MW-218A	3	0.0002	0	0	0.0002	0.0002	0.0002	100
Mercury (mg/L)	MW-219A	3	0.0002	0	0	0.0002	0.0002	0.0002	100
Mercury (mg/L)	MW-220A	3	0.0002	0	0	0.0002	0.0002	0.0002	100
Mercury (mg/L)	MW-18AR	2	0.0005	0	0	0.0005	0.0005	0.0005	100
Nickel (mg/L)	MW-34A (bg)	40	0.002393	0.001451	0.0002294	0.0023	0.00074	0.011	82.5
Nickel (mg/L)	MW-1B	35	0.002491	0.001376	0.0002327	0.0023	0.000999	0.0103	94.29
Nickel (mg/L)	MW-5B	32	0.00439	0.00146	0.0002581	0.005	0.0011	0.00764	59.38
Nickel (mg/L)	MW-7B1	35	0.009111	0.0131	0.002214	0.0023	0.0008	0.058	48.57
Nickel (mg/L)	MW-8B	35	0.009598	0.01178	0.001991	0.00398	0.0012	0.046	28.57
Nickel (mg/L)	MW-10B	13	0.0063	0.01463	0.004059	0.0023	0.0016	0.055	84.62
Nickel (mg/L)	MW-12B	33	0.01941	0.01658	0.002886	0.013	0.00299	0.05	21.21
Nickel (mg/L)	MW-14B	35	0.024	0.02	0.003381	0.011	0.00346	0.05	34.29
Nickel (mg/L)	MW-17A-00	35	0.004023	0.006963	0.001177	0.0023	0.000806	0.041	77.14
Nickel (mg/L)	MW-23A	30	0.002182	0.0004755	0.00008682	0.0023	0.000...	0.003515	73.33
Nickel (mg/L)	MW-24A	38	0.01024	0.00805	0.001306	0.006145	0.0034	0.035	23.68
Nickel (mg/L)	MW-25A-00	36	0.002475	0.002365	0.0003942	0.0023	0.000872	0.016	75
Nickel (mg/L)	MW-29A	36	0.00741	0.006283	0.001047	0.005	0.00093	0.0292	44.44
Nickel (mg/L)	MW-31B	38	0.004523	0.005792	0.0009395	0.0021	0.00108	0.023	57.89
Nickel (mg/L)	MW-201A	34	0.01468	0.03612	0.006195	0.002305	0.00114	0.2	38.24
Nickel (mg/L)	MW-202A	32	0.003029	0.00361	0.0006382	0.0023	0.000872	0.022	87.5
Nickel (mg/L)	MW-203A	32	0.003818	0.005551	0.0009813	0.0023	0.000982	0.03	87.5
Nickel (mg/L)	MW-204A	32	0.01103	0.008709	0.00154	0.00599	0.00257	0.038	25
Nickel (mg/L)	MW-208B	31	0.01536	0.01084	0.001947	0.02	0.0021	0.037	29.03
Nickel (mg/L)	MW-210B	32	0.02438	0.01417	0.002505	0.0186	0.00951	0.05	21.88
Nickel (mg/L)	MW-215A	30	0.004262	0.002114	0.000386	0.005	0.00176	0.0131	56.67
Nickel (mg/L)	MW-214A	31	0.002815	0.001667	0.0002993	0.0023	0.001	0.00918	70.97
Nickel (mg/L)	MW-200A	36	0.004469	0.006914	0.001152	0.0023	0.000761	0.038	72.22
Nickel (mg/L)	MW-205A	34	0.01898	0.03071	0.005266	0.0023	0.00125	0.147	50
Nickel (mg/L)	MW-211B	36	0.05421	0.03359	0.005598	0.045	0.025	0.195	13.89
Nickel (mg/L)	MW-213A	33	0.006378	0.006632	0.001154	0.0036	0.002	0.0265	39.39
Nickel (mg/L)	MW-310A	17	0.002265	0.000173	0.00004196	0.0023	0.0016	0.0024	88.24
Nickel (mg/L)	MW-312A	15	0.002651	0.001397	0.0003607	0.0023	0.0022	0.0077	80
Nickel (mg/L)	MW-38A (bg)	25	0.01148	0.02483	0.004966	0.005	0.000588	0.105	76
Nickel (mg/L)	MW-39B (bg)	24	0.004563	0.004133	0.0008436	0.00285	0.00195	0.0165	29.17
Nickel (mg/L)	MW-216A	30	0.01777	0.02087	0.003811	0.006025	0.00236	0.0594	20
Nickel (mg/L)	MW-217A	30	0.006739	0.01795	0.003277	0.0023	0.0009	0.0888	83.33
Nickel (mg/L)	MW-218A	30	0.002244	0.0003053	0.00005573	0.0023	0.000628	0.0023	96.67
Nickel (mg/L)	MW-219A	30	0.002217	0.0003281	0.00005991	0.0023	0.000713	0.0023	93.33
Nickel (mg/L)	MW-220A	29	0.00227	0.0001817	0.00003375	0.0023	0.00133	0.0024	93.1
Nickel (mg/L)	MW-18AR	14	0.004099	0.001584	0.0004233	0.0046	0.0023	0.00661	28.57
Nickel (mg/L)	MW-408	7	0.002894	0.0007963	0.000301	0.0029	0.00205	0.00439	28.57
Nickel (mg/L)	MW-410	8	0.003623	0.001059	0.0003745	0.00383	0.0023	0.0049	25
Selenium (mg/L)	MW-34A (bg)	37	0.0014	0	0	0.0014	0.0014	0.0014	100
Selenium (mg/L)	MW-1B	35	0.001517	0.000693	0.0001171	0.0014	0.0014	0.0055	97.14

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Selenium (mg/L)	MW-5B	29	0.001367	0.0001361	0.00002527	0.0014	0.000709	0.0014	93.1
Selenium (mg/L)	MW-7B1	29	0.001459	0.0003157	0.00005862	0.0014	0.0014	0.0031	96.55
Selenium (mg/L)	MW-8B	29	0.001438	0.0002043	0.00003793	0.0014	0.0014	0.0025	96.55
Selenium (mg/L)	MW-10B	14	0.005641	0.006476	0.001731	0.004445	0.0017	0.0278	35.71
Selenium (mg/L)	MW-12B	27	0.003891	0.0005677	0.0001093	0.004	0.00105	0.004	92.59
Selenium (mg/L)	MW-14B	29	0.001448	0.00026	0.00004828	0.0014	0.0014	0.0028	96.55
Selenium (mg/L)	MW-17A-00	29	0.00138	0.0001097	0.00002038	0.0014	0.000809	0.0014	96.55
Selenium (mg/L)	MW-23A	29	0.001541	0.0004842	0.00008991	0.0014	0.00105	0.00307	68.97
Selenium (mg/L)	MW-24A	29	0.001447	0.0002683	0.00004981	0.0014	0.00132	0.002839	93.1
Selenium (mg/L)	MW-25A-00	36	0.001431	0.0001867	0.00003111	0.0014	0.0014	0.00252	97.22
Selenium (mg/L)	MW-29A	29	0.001406	0.00003343	0.000006207	0.0014	0.0014	0.00158	96.55
Selenium (mg/L)	MW-31B	39	0.001472	0.0004484	0.00007179	0.0014	0.0014	0.0042	97.44
Selenium (mg/L)	MW-201A	27	0.001412	0.00004458	0.000008579	0.0014	0.0014	0.00159	92.59
Selenium (mg/L)	MW-202A	29	0.001421	0.0001665	0.00003091	0.0014	0.00108	0.00216	68.97
Selenium (mg/L)	MW-203A	29	0.00139	0.0001394	0.00002589	0.0014	0.000754	0.00176	93.1
Selenium (mg/L)	MW-204A	32	0.003924	0.0006993	0.0001236	0.004	0.000746	0.0059	90.63
Selenium (mg/L)	MW-208B	31	0.0014	0	0	0.0014	0.0014	0.0014	100
Selenium (mg/L)	MW-210B	32	0.001482	0.0005998	0.000106	0.0014	0.000711	0.0047	93.75
Selenium (mg/L)	MW-215A	27	0.001394	0.00004492	0.000008645	0.0014	0.00118	0.00147	88.89
Selenium (mg/L)	MW-214A	28	0.001784	0.001448	0.0002736	0.0014	0.00122	0.00892	57.14
Selenium (mg/L)	MW-200A	29	0.004	0	0	0.004	0.004	0.004	100
Selenium (mg/L)	MW-205A	29	0.003804	0.0007395	0.0001373	0.004	0.000779	0.004	93.1
Selenium (mg/L)	MW-211B	36	0.006426	0.001652	0.0002754	0.007	0.00132	0.007	88.89
Selenium (mg/L)	MW-213A	29	0.003776	0.000837	0.0001554	0.004	0.000732	0.004	93.1
Selenium (mg/L)	MW-310A	17	0.001612	0.000733	0.0001778	0.0014	0.0014	0.0044	88.24
Selenium (mg/L)	MW-312A	15	0.001775	0.001451	0.0003747	0.0014	0.0014	0.00702	93.33
Selenium (mg/L)	MW-38A (bg)	25	0.001398	0.0001098	0.00002197	0.0014	0.001	0.00176	92
Selenium (mg/L)	MW-39B (bg)	24	0.00172	0.0007741	0.000158	0.0014	0.00122	0.00409	75
Selenium (mg/L)	MW-216A	30	0.001346	0.0001617	0.00002952	0.0014	0.00067	0.00144	80
Selenium (mg/L)	MW-217A	30	0.0014	0	0	0.0014	0.0014	0.0014	100
Selenium (mg/L)	MW-218A	30	0.001388	0.00006573	0.000012	0.0014	0.00104	0.0014	96.67
Selenium (mg/L)	MW-219A	30	0.001375	0.0001389	0.00002537	0.0014	0.000639	0.0014	96.67
Selenium (mg/L)	MW-220A	30	0.001383	0.00009092	0.0000166	0.0014	0.000902	0.0014	96.67
Selenium (mg/L)	MW-18AR	7	0.004	0	0	0.004	0.004	0.004	100
Selenium (mg/L)	MW-408	7	0.001527	0.0003364	0.0001271	0.0014	0.0014	0.00229	85.71
Selenium (mg/L)	MW-410	8	0.0014	0	0	0.0014	0.0014	0.0014	100
Silver (mg/L)	MW-34A (bg)	36	0.0004898	0.00006133	0.00001022	0.0005	0.000132	0.0005	97.22
Silver (mg/L)	MW-1B	35	0.0005	0	0	0.0005	0.0005	0.0005	100
Silver (mg/L)	MW-5B	29	0.0005	0	0	0.0005	0.0005	0.0005	100
Silver (mg/L)	MW-7B1	29	0.0005	0	0	0.0005	0.0005	0.0005	100
Silver (mg/L)	MW-8B	28	0.0004884	0.00006161	0.00001164	0.0005	0.000174	0.0005	96.43
Silver (mg/L)	MW-10B	13	0.0005	0	0	0.0005	0.0005	0.0005	100
Silver (mg/L)	MW-12B	27	0.004	0	0	0.004	0.004	0.004	100
Silver (mg/L)	MW-14B	29	0.0005	0	0	0.0005	0.0005	0.0005	100
Silver (mg/L)	MW-17A-00	29	0.0004889	0.00005961	0.00001107	0.0005	0.000179	0.0005	96.55
Silver (mg/L)	MW-23A	29	0.0005012	0.000006221	0.000001155	0.0005	0.0005	0.000...	96.55
Silver (mg/L)	MW-24A	29	0.0004844	0.00008412	0.00001562	0.0005	0.000047	0.0005	96.55
Silver (mg/L)	MW-25A-00	36	0.0004898	0.000061	0.00001017	0.0005	0.000134	0.0005	97.22
Silver (mg/L)	MW-29A	29	0.0004869	0.00007038	0.00001307	0.0005	0.000121	0.0005	96.55
Silver (mg/L)	MW-31B	39	0.0004891	0.00006805	0.0000109	0.0005	0.000075	0.0005	97.44

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Silver (mg/L)	MW-201A	27	0.0004699	0.000109	0.00002097	0.0005	0.000062	0.0005	92.59
Silver (mg/L)	MW-202A	29	0.0005859	0.0004624	0.00008586	0.0005	0.0005	0.00299	96.55
Silver (mg/L)	MW-203A	29	0.0004876	0.00006666	0.00001238	0.0005	0.000141	0.0005	96.55
Silver (mg/L)	MW-204A	29	0.0004905	0.00005125	0.000009517	0.0005	0.000224	0.0005	96.55
Silver (mg/L)	MW-208B	27	0.0004852	0.00007698	0.00001481	0.0005	0.0001	0.0005	96.3
Silver (mg/L)	MW-210B	29	0.0004892	0.00005831	0.00001083	0.0005	0.000186	0.0005	96.55
Silver (mg/L)	MW-215A	27	0.0004876	0.00006428	0.00001237	0.0005	0.000166	0.0005	96.3
Silver (mg/L)	MW-214A	28	0.0004871	0.00006841	0.00001293	0.0005	0.000138	0.0005	96.43
Silver (mg/L)	MW-200A	29	0.004	0	0	0.004	0.004	0.004	100
Silver (mg/L)	MW-205A	29	0.003732	0.001001	0.0001859	0.004	0.000061	0.004	93.1
Silver (mg/L)	MW-211B	35	0.002378	0.0005088	0.00008599	0.0025	0.000063	0.0025	94.29
Silver (mg/L)	MW-213A	29	0.004	0	0	0.004	0.004	0.004	100
Silver (mg/L)	MW-310A	17	0.0005	0	0	0.0005	0.0005	0.0005	100
Silver (mg/L)	MW-312A	15	0.0005	0	0	0.0005	0.0005	0.0005	100
Silver (mg/L)	MW-38A (bg)	25	0.0004856	0.0000718	0.00001436	0.0005	0.000141	0.0005	96
Silver (mg/L)	MW-39B (bg)	24	0.0005	0	0	0.0005	0.0005	0.0005	100
Silver (mg/L)	MW-216A	30	0.0005	0	0	0.0005	0.0005	0.0005	100
Silver (mg/L)	MW-217A	30	0.0004876	0.00007937	0.00001449	0.0005	0.000071	0.000557	93.33
Silver (mg/L)	MW-218A	30	0.0004877	0.00006737	0.0000123	0.0005	0.000131	0.0005	96.67
Silver (mg/L)	MW-219A	30	0.0005	0	0	0.0005	0.0005	0.0005	100
Silver (mg/L)	MW-220A	30	0.0004874	0.0000692	0.00001263	0.0005	0.000121	0.0005	96.67
Silver (mg/L)	MW-18AR	7	0.004	0	0	0.004	0.004	0.004	100
Silver (mg/L)	MW-408	8	0.0005	0	0	0.0005	0.0005	0.0005	100
Silver (mg/L)	MW-410	8	0.0005	0	0	0.0005	0.0005	0.0005	100
Sulfide (mg/L)	MW-34A (bg)	12	1	0	0	1	1	1	100
Sulfide (mg/L)	MW-1B	5	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-5B	5	0.3294	0.22	0.0984	0.231	0.231	0.723	80
Sulfide (mg/L)	MW-7B1	5	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-8B	20	1.087	1.524	0.3407	0.231	0.231	4.39	65
Sulfide (mg/L)	MW-10B	1	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-12B	4	0.1	0	0	0.1	0.1	0.1	100
Sulfide (mg/L)	MW-14B	5	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-17A-00	4	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-23A	11	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-24A	4	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-25A-00	4	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-29A	4	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-31B	5	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-201A	4	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-202A	4	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-203A	4	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-204A	4	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-208B	4	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-210B	4	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-215A	4	0.2578	0.0535	0.02675	0.231	0.231	0.338	75
Sulfide (mg/L)	MW-214A	4	0.231	0	0	0.231	0.231	0.231	100
Sulfide (mg/L)	MW-200A	3	0.1	0	0	0.1	0.1	0.1	100
Sulfide (mg/L)	MW-205A	3	0.679	0.556	0.321	1	0.037	1	66.67
Sulfide (mg/L)	MW-211B	3	0.1	0	0	0.1	0.1	0.1	100
Sulfide (mg/L)	MW-213A	3	0.1	0	0	0.1	0.1	0.1	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Sulfide (mg/L)	MW-310A	1	1	0	0	1	1	1	100
Sulfide (mg/L)	MW-312A	1	1	0	0	1	1	1	100
Sulfide (mg/L)	MW-38A (bg)	8	0.1	0	0	0.1	0.1	0.1	100
Sulfide (mg/L)	MW-39B (bg)	4	1	0	0	1	1	1	100
Sulfide (mg/L)	MW-216A	22	1.066	0.3003	0.06402	1	1	2.41	90.91
Sulfide (mg/L)	MW-217A	3	1	0	0	1	1	1	100
Sulfide (mg/L)	MW-218A	14	0.9522	0.1906	0.05094	1	0.291	1.04	85.71
Sulfide (mg/L)	MW-219A	13	1	0	0	1	1	1	100
Sulfide (mg/L)	MW-220A	3	0.773	0.3932	0.227	1	0.319	1	66.67
Sulfide (mg/L)	MW-18AR	12	0.5038	0.9218	0.2661	0.231	0.231	3.43	83.33
Thallium (mg/L)	MW-34A (bg)	36	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	MW-1B	36	0.0005842	0.0001388	0.00002313	0.00057	0.0003	0.00135	94.44
Thallium (mg/L)	MW-5B	30	0.0005585	0.00006317	0.00001153	0.00057	0.000224	0.00057	96.67
Thallium (mg/L)	MW-7B1	30	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	MW-8B	31	0.0005706	0.000003592	6.5e-7	0.00057	0.00057	0.00059	96.77
Thallium (mg/L)	MW-10B	13	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	MW-12B	28	0.001859	0.0005169	0.00009769	0.002	0.000026	0.002	92.86
Thallium (mg/L)	MW-14B	30	0.0005351	0.0001329	0.00002426	0.00057	0.000033	0.00057	93.33
Thallium (mg/L)	MW-17A-00	30	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	MW-23A	30	0.0005753	0.00002921	0.000005333	0.00057	0.00057	0.00073	96.67
Thallium (mg/L)	MW-24A	29	0.0005414	0.0001114	0.00002069	0.00057	0.000038	0.00057	93.1
Thallium (mg/L)	MW-25A-00	37	0.0005744	0.0000268	0.000004405	0.00057	0.00057	0.000733	97.3
Thallium (mg/L)	MW-29A	30	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	MW-31B	39	0.0005619	0.0003777	0.00006048	0.00057	0.000103	0.00253	71.79
Thallium (mg/L)	MW-201A	26	0.0005495	0.0001043	0.00002046	0.00057	0.000038	0.00057	96.15
Thallium (mg/L)	MW-202A	28	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	MW-203A	28	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	MW-204A	28	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	MW-208B	27	0.0005334	0.0001445	0.00002781	0.00057	0.000034	0.000652	88.89
Thallium (mg/L)	MW-210B	28	0.0005506	0.0001028	0.00001943	0.00057	0.000026	0.00057	96.43
Thallium (mg/L)	MW-215A	27	0.00055	0.0001041	0.00002004	0.00057	0.000029	0.00057	96.3
Thallium (mg/L)	MW-214A	27	0.0006776	0.0006716	0.0001293	0.00057	0.000045	0.004	92.59
Thallium (mg/L)	MW-200A	30	0.001906	0.0003582	0.0000654	0.002	0.00048	0.002	93.33
Thallium (mg/L)	MW-205A	27	0.002	0	0	0.002	0.002	0.002	100
Thallium (mg/L)	MW-211B	33	0.00251	0.0009302	0.0001619	0.00285	0.000036	0.00285	87.88
Thallium (mg/L)	MW-213A	27	0.001927	0.0003776	0.00007267	0.002	0.000038	0.002	96.3
Thallium (mg/L)	MW-310A	17	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	MW-312A	15	0.0005559	0.00007234	0.00001868	0.00057	0.0003	0.000628	86.67
Thallium (mg/L)	MW-38A (bg)	25	0.0005552	0.000074	0.0000148	0.00057	0.0002	0.00057	96
Thallium (mg/L)	MW-39B (bg)	24	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	MW-216A	30	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	MW-217A	30	0.0005687	0.000007029	0.000001283	0.00057	0.000...	0.00057	96.67
Thallium (mg/L)	MW-218A	30	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	MW-219A	30	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	MW-220A	30	0.00057	0	0	0.00057	0.00057	0.00057	100
Thallium (mg/L)	MW-18AR	7	0.002	0	0	0.002	0.002	0.002	100
Thallium (mg/L)	MW-408	8	0.000561	0.00007354	0.000026	0.00057	0.0004	0.000668	75
Thallium (mg/L)	MW-410	8	0.0006362	0.0001874	0.00006625	0.00057	0.00057	0.0011	87.5
Tin (mg/L)	MW-34A (bg)	8	0.1	0	0	0.1	0.1	0.1	100
Tin (mg/L)	MW-1B	5	0.0025	0	0	0.0025	0.0025	0.0025	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Tin (mg/L)	MW-5B	5	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-7B1	5	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-8B	5	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-10B	1	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-12B	22	0.03085	0.03036	0.006472	0.02	0.0038	0.106	81.82
Tin (mg/L)	MW-14B	6	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-17A-00	5	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-23A	5	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-24A	5	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-25A-00	5	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-29A	5	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-31B	5	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-201A	4	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-202A	4	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-203A	4	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-204A	4	0.00266	0.00032	0.00016	0.0025	0.0025	0.00314	75
Tin (mg/L)	MW-208B	15	0.01396	0.03374	0.00871	0.0025	0.0025	0.128	86.67
Tin (mg/L)	MW-210B	4	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-215A	4	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-214A	4	0.0025	0	0	0.0025	0.0025	0.0025	100
Tin (mg/L)	MW-200A	3	0.02	0	0	0.02	0.02	0.02	100
Tin (mg/L)	MW-205A	3	0.01388	0.0106	0.00612	0.02	0.00164	0.02	66.67
Tin (mg/L)	MW-211B	3	0.02	0	0	0.02	0.02	0.02	100
Tin (mg/L)	MW-213A	3	0.02	0	0	0.02	0.02	0.02	100
Tin (mg/L)	MW-310A	1	0.1	0	0	0.1	0.1	0.1	100
Tin (mg/L)	MW-312A	1	0.1	0	0	0.1	0.1	0.1	100
Tin (mg/L)	MW-38A (bg)	2	0.1	0	0	0.1	0.1	0.1	100
Tin (mg/L)	MW-39B (bg)	4	0.03775	0.0655	0.03275	0.005	0.005	0.136	75
Tin (mg/L)	MW-216A	3	0.005	0	0	0.005	0.005	0.005	100
Tin (mg/L)	MW-217A	3	0.005	0	0	0.005	0.005	0.005	100
Tin (mg/L)	MW-218A	3	0.005	0	0	0.005	0.005	0.005	100
Tin (mg/L)	MW-219A	3	0.005	0	0	0.005	0.005	0.005	100
Tin (mg/L)	MW-220A	3	0.005	0	0	0.005	0.005	0.005	100
Tin (mg/L)	MW-18AR	2	0.02	0	0	0.02	0.02	0.02	100
Vanadium (mg/L)	MW-34A (bg)	36	0.001806	0.0006488	0.0001081	0.0017	0.000694	0.00523	91.67
Vanadium (mg/L)	MW-1B	36	0.0017	0	0	0.0017	0.0017	0.0017	100
Vanadium (mg/L)	MW-5B	30	0.001916	0.0008801	0.0001607	0.0017	0.000599	0.00518	66.67
Vanadium (mg/L)	MW-7B1	30	0.001767	0.0006164	0.0001125	0.0017	0.000277	0.00376	83.33
Vanadium (mg/L)	MW-8B	33	0.001934	0.001189	0.0002069	0.0017	0.000947	0.00729	63.64
Vanadium (mg/L)	MW-10B	13	0.001668	0.0001299	0.00003602	0.0017	0.00124	0.00176	76.92
Vanadium (mg/L)	MW-12B	28	0.01941	0.003111	0.0005879	0.02	0.00354	0.02	96.43
Vanadium (mg/L)	MW-14B	30	0.001807	0.0004441	0.00008109	0.0017	0.0017	0.00398	93.33
Vanadium (mg/L)	MW-17A-00	30	0.001566	0.000412	0.00007522	0.0017	0.000565	0.00253	80
Vanadium (mg/L)	MW-23A	30	0.001566	0.0004512	0.00008238	0.0017	0.000591	0.002945	76.67
Vanadium (mg/L)	MW-24A	29	0.001641	0.0004062	0.00007544	0.0017	0.000625	0.00315	82.76
Vanadium (mg/L)	MW-25A-00	37	0.001626	0.0006205	0.000102	0.0017	0.000587	0.00456	75.68
Vanadium (mg/L)	MW-29A	30	0.001647	0.0003786	0.00006912	0.0017	0.000368	0.00268	90
Vanadium (mg/L)	MW-31B	38	0.002012	0.002362	0.0003832	0.0011	0.000663	0.0117	68.42
Vanadium (mg/L)	MW-201A	26	0.001642	0.0004161	0.00008161	0.0017	0.000276	0.00244	65.38
Vanadium (mg/L)	MW-202A	28	0.001545	0.0004535	0.00008571	0.0017	0.000685	0.00298	71.43

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Vanadium (mg/L)	MW-203A	28	0.001612	0.0003242	0.00006126	0.0017	0.000337	0.0017	92.86
Vanadium (mg/L)	MW-204A	28	0.001631	0.0002769	0.00005233	0.0017	0.000325	0.0017	92.86
Vanadium (mg/L)	MW-208B	27	0.001716	0.0004364	0.00008398	0.0017	0.000362	0.00348	92.59
Vanadium (mg/L)	MW-210B	28	0.001702	0.0006286	0.0001188	0.0017	0.000584	0.00421	57.14
Vanadium (mg/L)	MW-215A	27	0.01278	0.008937	0.00172	0.02	0.00049	0.02	59.26
Vanadium (mg/L)	MW-214A	27	0.002205	0.001598	0.0003075	0.0017	0.000608	0.00751	70.37
Vanadium (mg/L)	MW-200A	26	0.01165	0.009231	0.00181	0.02	0.00126	0.02	53.85
Vanadium (mg/L)	MW-205A	27	0.01453	0.008628	0.00166	0.02	0.000601	0.02	70.37
Vanadium (mg/L)	MW-211B	32	0.007785	0.002267	0.0004007	0.0085	0.000373	0.0085	90.63
Vanadium (mg/L)	MW-213A	27	0.01471	0.008347	0.001606	0.02	0.000325	0.02	70.37
Vanadium (mg/L)	MW-310A	17	0.0017	0	0	0.0017	0.0017	0.0017	100
Vanadium (mg/L)	MW-312A	15	0.0017	0	0	0.0017	0.0017	0.0017	100
Vanadium (mg/L)	MW-38A (bg)	25	0.001741	0.0009423	0.0001885	0.0017	0.000281	0.00554	44
Vanadium (mg/L)	MW-39B (bg)	23	0.001735	0.0004889	0.0001019	0.0017	0.00109	0.00308	39.13
Vanadium (mg/L)	MW-216A	30	0.01731	0.03711	0.006775	0.0017	0.000363	0.123	43.33
Vanadium (mg/L)	MW-217A	28	0.001591	0.0008345	0.0001577	0.0017	0.000559	0.00535	67.86
Vanadium (mg/L)	MW-218A	29	0.001465	0.0003111	0.00005776	0.0017	0.000504	0.0017	55.17
Vanadium (mg/L)	MW-219A	29	0.001447	0.0003993	0.00007415	0.0017	0.000437	0.0017	68.97
Vanadium (mg/L)	MW-220A	28	0.001537	0.0005768	0.000109	0.0017	0.000274	0.00356	71.43
Vanadium (mg/L)	MW-18AR	7	0.01466	0.009126	0.003449	0.02	0.00101	0.02	71.43
Vanadium (mg/L)	MW-408	8	0.009287	0.008148	0.002881	0.004345	0.00239	0.02	25
Vanadium (mg/L)	MW-410	8	0.001844	0.0004066	0.0001437	0.0017	0.0017	0.00285	87.5
Zinc (mg/L)	MW-34A (bg)	41	0.01583	0.01133	0.001769	0.013	0.013	0.0684	92.68
Zinc (mg/L)	MW-1B	35	0.01706	0.01959	0.003312	0.013	0.0102	0.125	91.43
Zinc (mg/L)	MW-5B	29	0.04015	0.03846	0.007142	0.02	0.0114	0.164	34.48
Zinc (mg/L)	MW-7B1	29	0.02857	0.03723	0.006913	0.013	0.013	0.167	75.86
Zinc (mg/L)	MW-8B	32	0.0333	0.05221	0.00923	0.013	0.013	0.258	78.13
Zinc (mg/L)	MW-10B	13	0.01252	0.001717	0.0004762	0.013	0.00681	0.013	92.31
Zinc (mg/L)	MW-12B	27	0.0253	0.02196	0.004226	0.02	0.0144	0.129	85.19
Zinc (mg/L)	MW-14B	29	0.01896	0.02297	0.004265	0.013	0.0085	0.134	82.76
Zinc (mg/L)	MW-17A-00	29	0.01768	0.01778	0.003302	0.013	0.00757	0.103	75.86
Zinc (mg/L)	MW-23A	29	0.01816	0.01752	0.003254	0.013	0.013	0.0924	89.66
Zinc (mg/L)	MW-24A	29	0.01842	0.01839	0.003415	0.013	0.013	0.109	82.76
Zinc (mg/L)	MW-25A-00	36	0.01663	0.01824	0.00304	0.013	0.013	0.122	91.67
Zinc (mg/L)	MW-29A	29	0.0146	0.008598	0.001597	0.013	0.013	0.0593	96.55
Zinc (mg/L)	MW-31B	37	0.01632	0.007824	0.001286	0.013	0.013	0.0407	81.08
Zinc (mg/L)	MW-201A	30	0.05218	0.09059	0.01654	0.013	0.013	0.446	73.33
Zinc (mg/L)	MW-202A	29	0.02571	0.0568	0.01055	0.013	0.013	0.317	89.66
Zinc (mg/L)	MW-203A	32	0.02066	0.02277	0.004026	0.013	0.013	0.119	84.38
Zinc (mg/L)	MW-204A	29	0.02399	0.03378	0.006272	0.013	0.013	0.171	86.21
Zinc (mg/L)	MW-208B	31	0.02052	0.02544	0.00457	0.013	0.00594	0.135	80.65
Zinc (mg/L)	MW-210B	29	0.01847	0.02597	0.004822	0.013	0.008775	0.152	86.21
Zinc (mg/L)	MW-215A	29	0.01886	0.01868	0.003468	0.013	0.0119	0.1	82.76
Zinc (mg/L)	MW-214A	29	0.04556	0.082	0.01523	0.013	0.00824	0.3605	65.52
Zinc (mg/L)	MW-200A	29	0.02851	0.02143	0.003979	0.02	0.00776	0.11	72.41
Zinc (mg/L)	MW-205A	30	0.02676	0.03732	0.006814	0.02	0.00572	0.222	76.67
Zinc (mg/L)	MW-211B	36	0.07042	0.03469	0.005781	0.065	0.0151	0.196	75
Zinc (mg/L)	MW-213A	30	0.02886	0.0261	0.004765	0.02	0.02	0.13	83.33
Zinc (mg/L)	MW-310A	17	0.01683	0.01329	0.003222	0.013	0.013	0.0674	88.24
Zinc (mg/L)	MW-312A	15	0.01819	0.01256	0.003244	0.013	0.013	0.061	73.33

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 8:18 PM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Zinc (mg/L)	MW-38A (bg)	24	0.01598	0.007261	0.001482	0.013	0.013	0.0403	83.33
Zinc (mg/L)	MW-39B (bg)	24	0.01471	0.004934	0.001007	0.013	0.013	0.0324	87.5
Zinc (mg/L)	MW-216A	30	0.05641	0.08244	0.01505	0.013	0.013	0.343	73.33
Zinc (mg/L)	MW-217A	30	0.02949	0.05621	0.01026	0.013	0.00938	0.285	80
Zinc (mg/L)	MW-218A	30	0.0215	0.01732	0.003163	0.013	0.013	0.08485	70
Zinc (mg/L)	MW-219A	30	0.02098	0.01813	0.00331	0.013	0.013	0.0827	80
Zinc (mg/L)	MW-220A	29	0.02574	0.03345	0.006212	0.013	0.013	0.17	79.31
Zinc (mg/L)	MW-18AR	7	0.02	0	0	0.02	0.02	0.02	100
Zinc (mg/L)	MW-408	8	0.013	0	0	0.013	0.013	0.013	100
Zinc (mg/L)	MW-410	8	0.01253	0.001329	0.00047	0.013	0.00924	0.013	87.5

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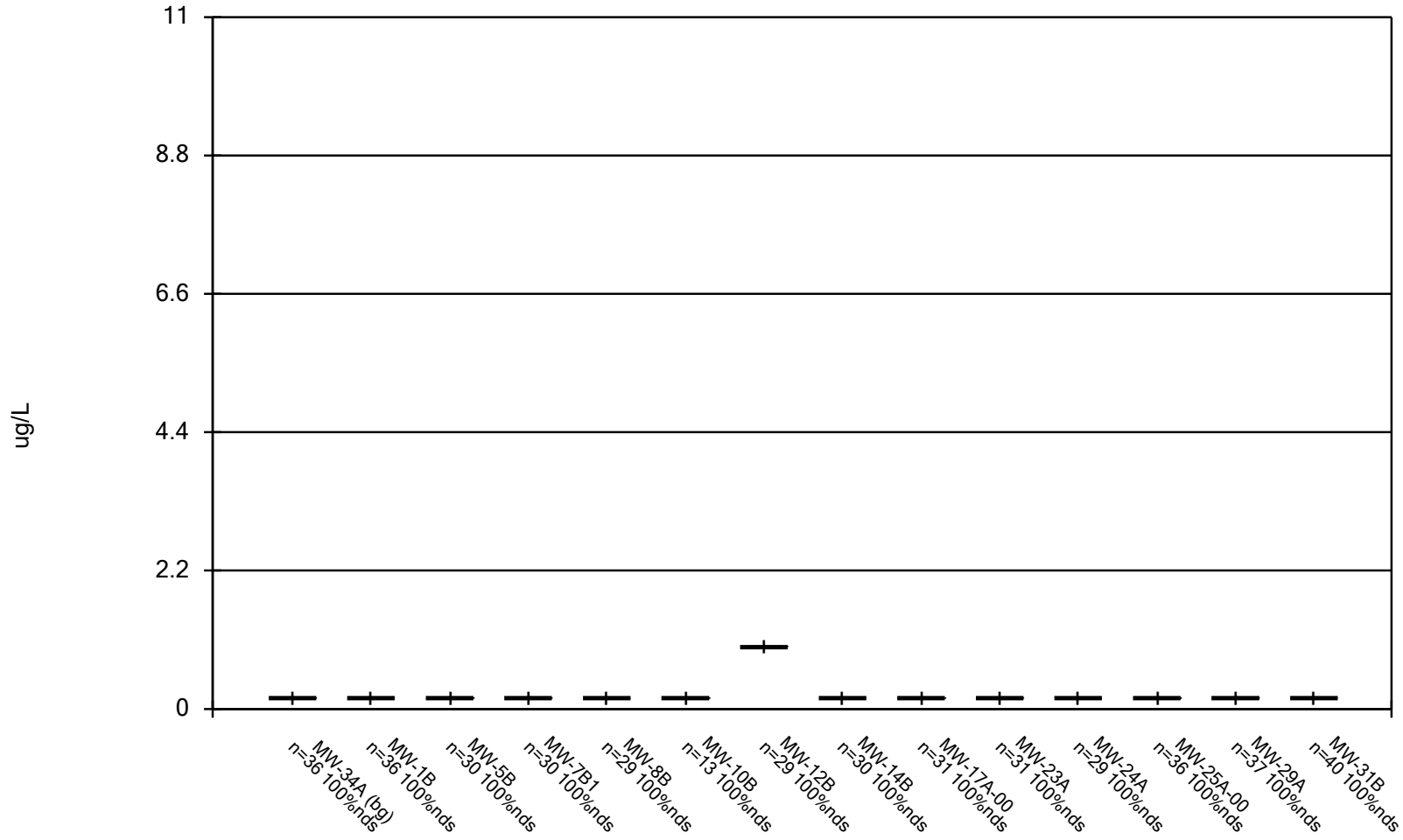
Box & Whiskers Plot



Constituent: 1,1,1-Trichloroethane Analysis Run 7/14/2025 12:07 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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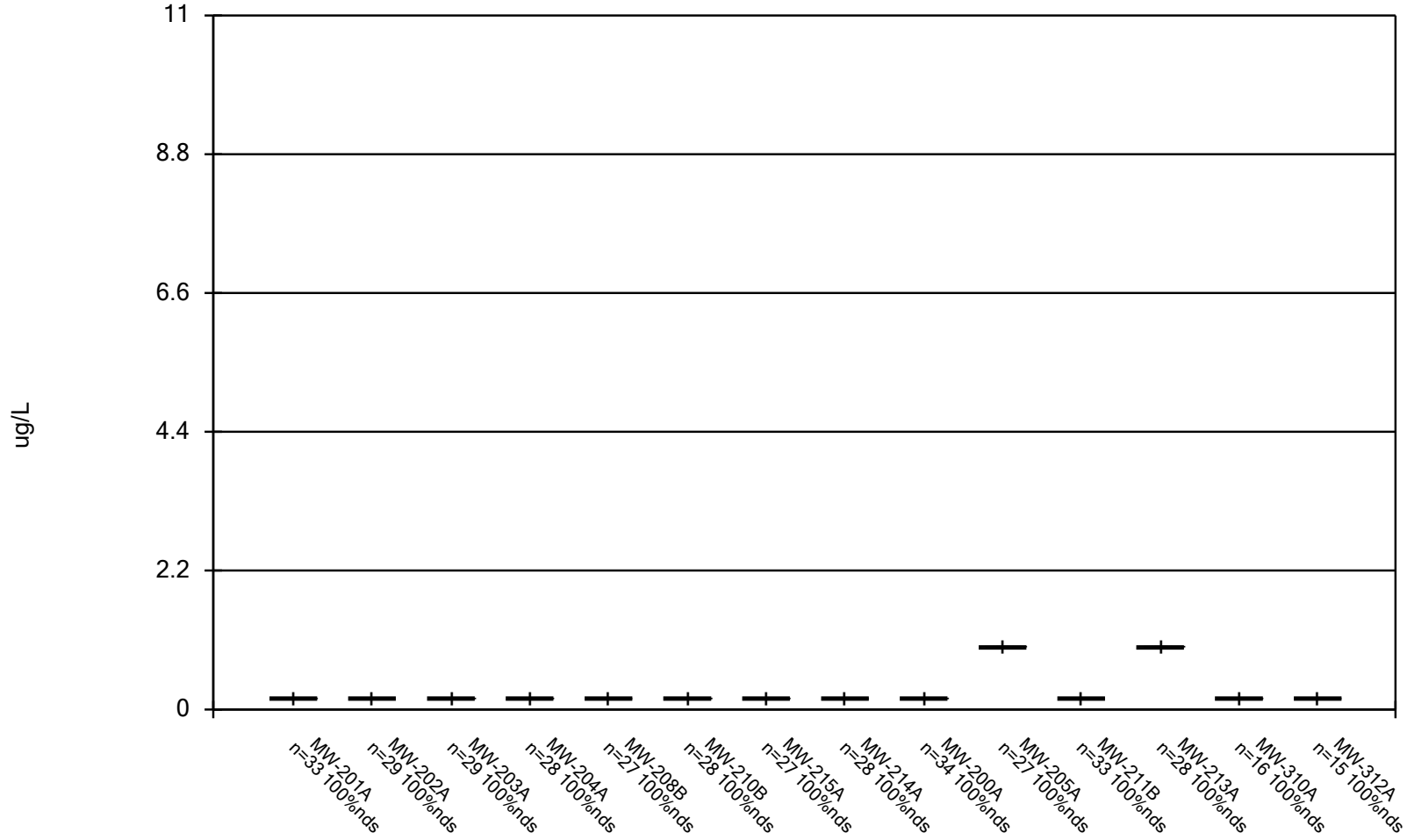

Constituent: 1,1,1-Trichloroethane Analysis Run 7/14/2025 12:07 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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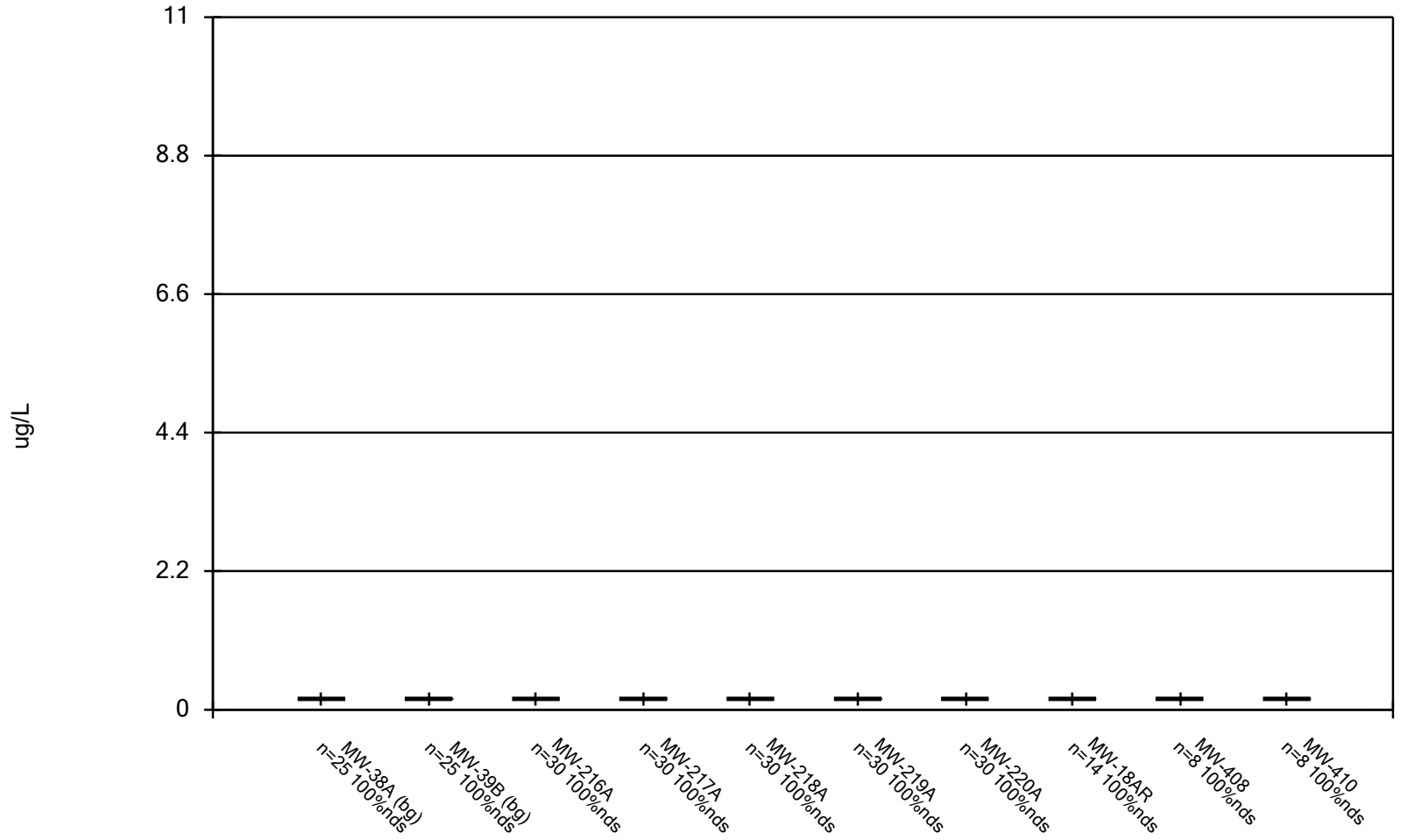
Box & Whiskers Plot



Constituent: 1,1,1-Trichloroethane Analysis Run 7/14/2025 12:07 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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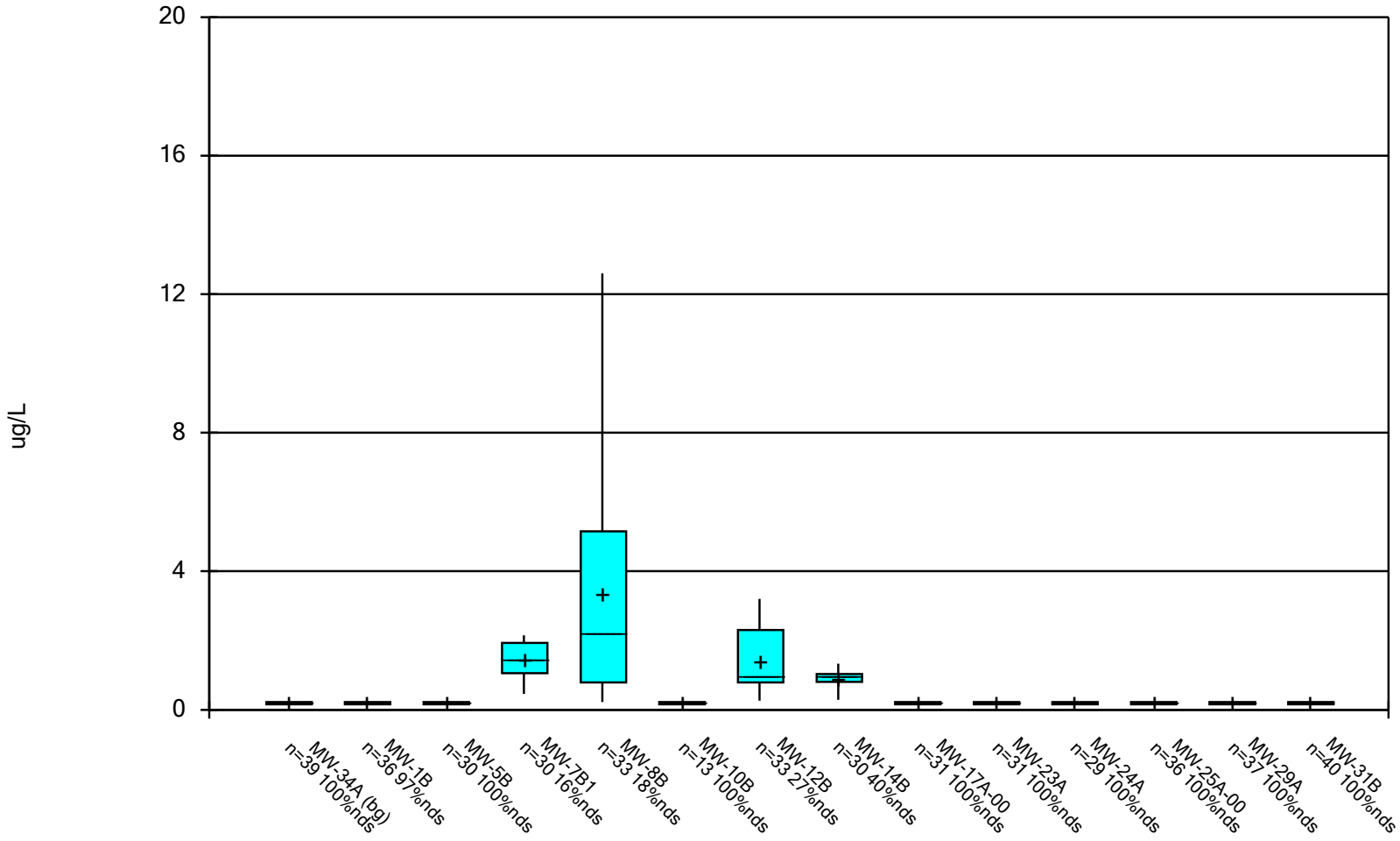
Box & Whiskers Plot

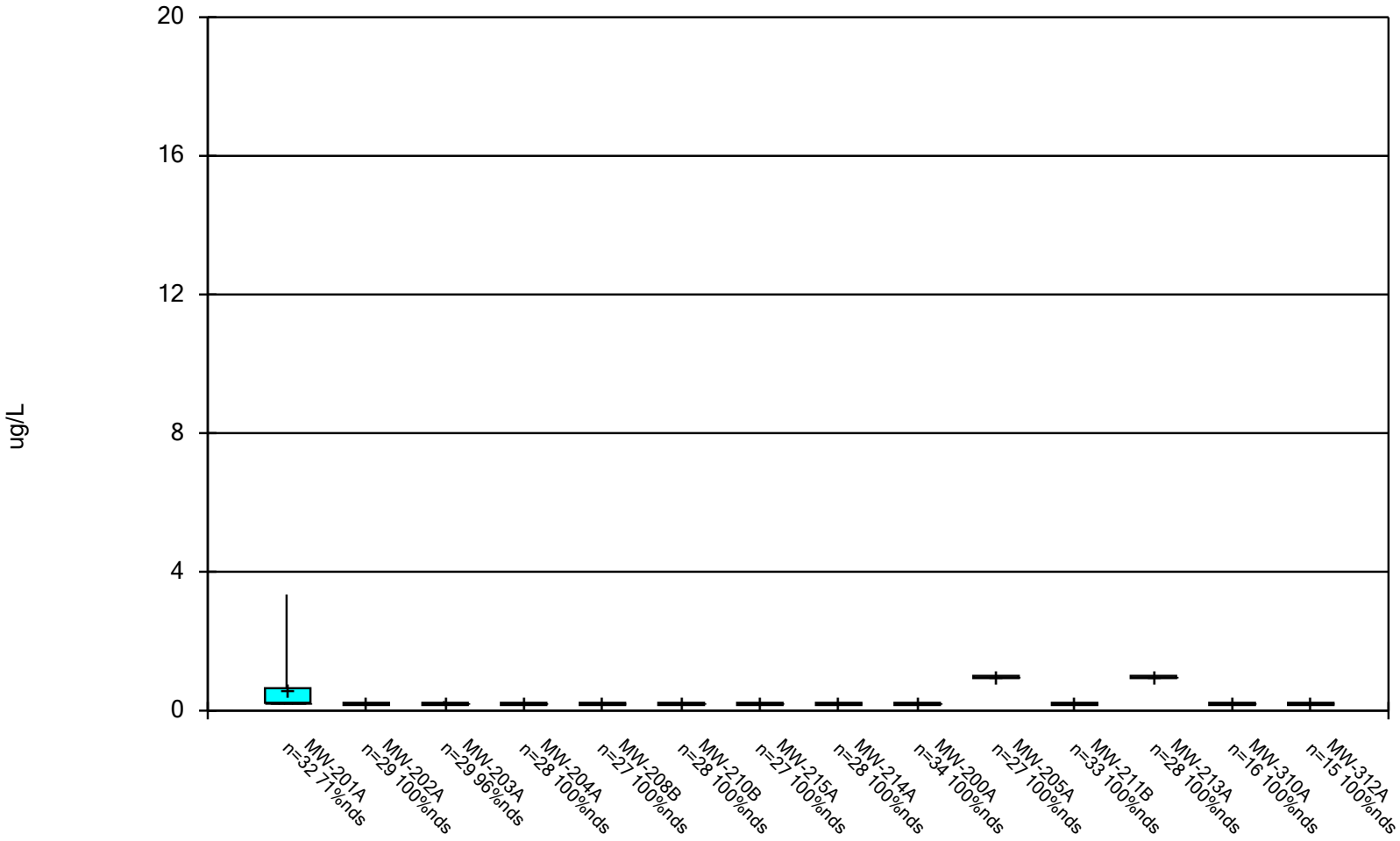


Constituent: 1,1-Dichloroethane Analysis Run 7/14/2025 12:07 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

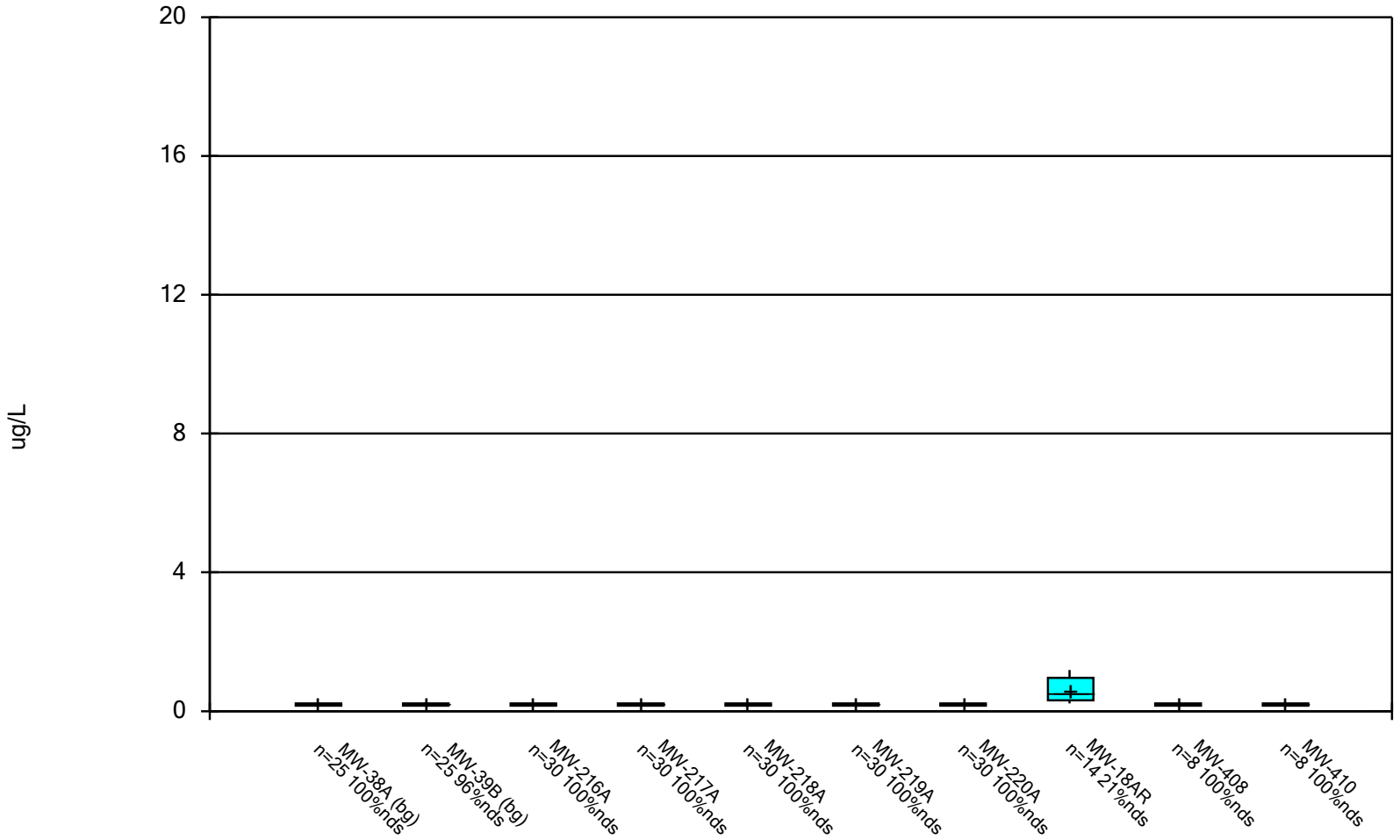


Constituent: 1,1-Dichloroethane Analysis Run 7/14/2025 12:07 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: 1,1-Dichloroethane Analysis Run 7/14/2025 12:07 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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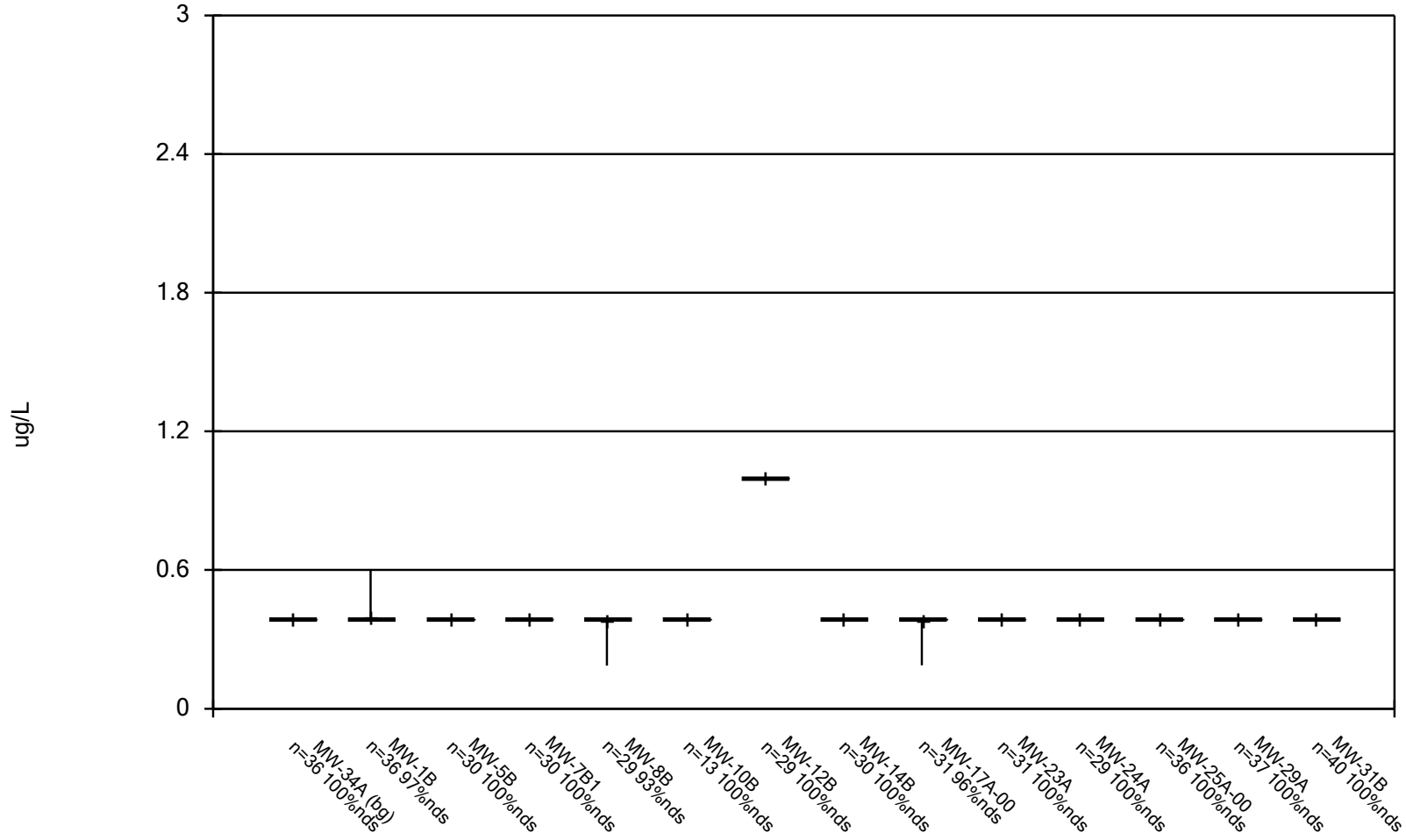
Box & Whiskers Plot



Constituent: 1,2-Dichloroethane Analysis Run 7/14/2025 12:07 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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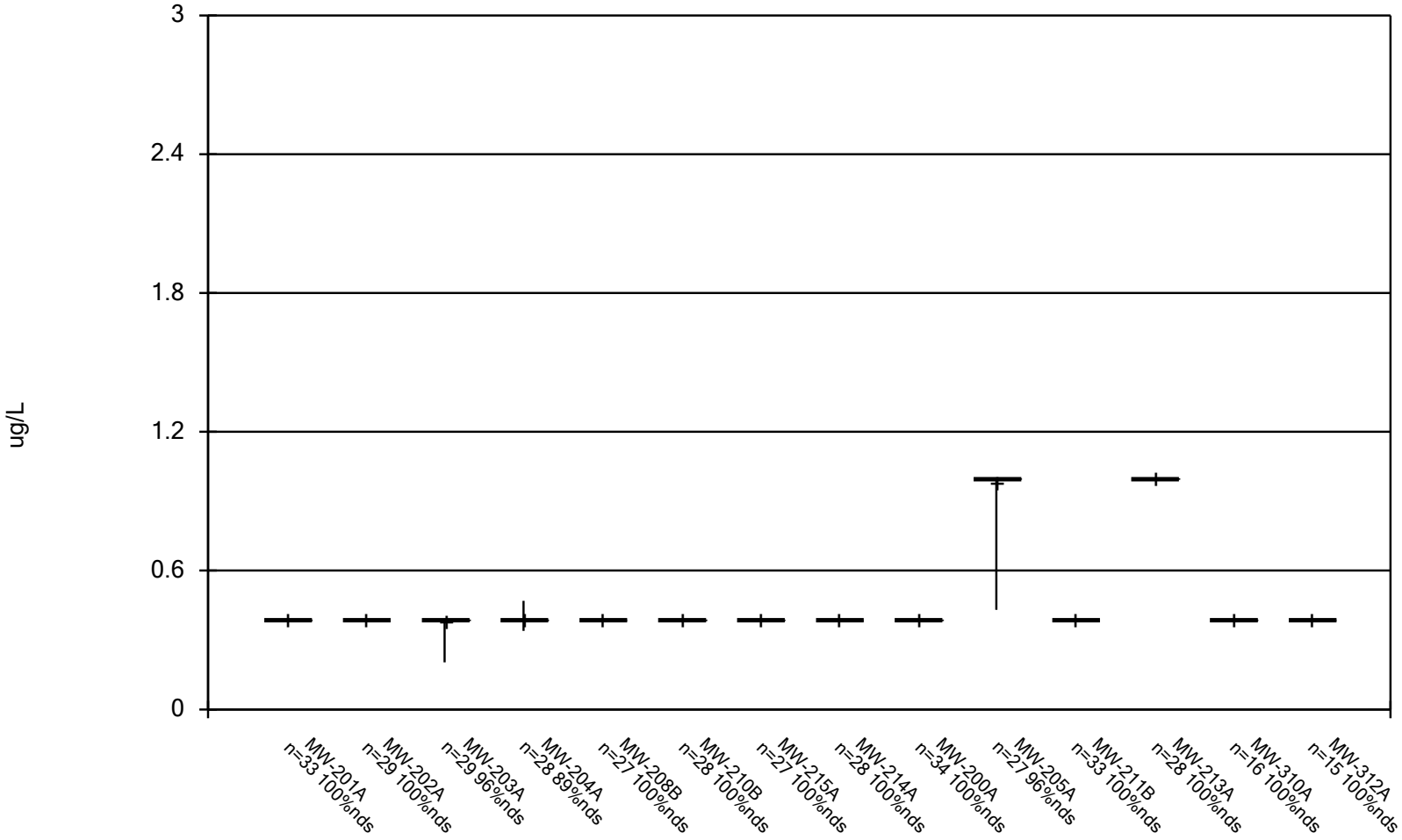
Box & Whiskers Plot



Constituent: 1,2-Dichloroethane Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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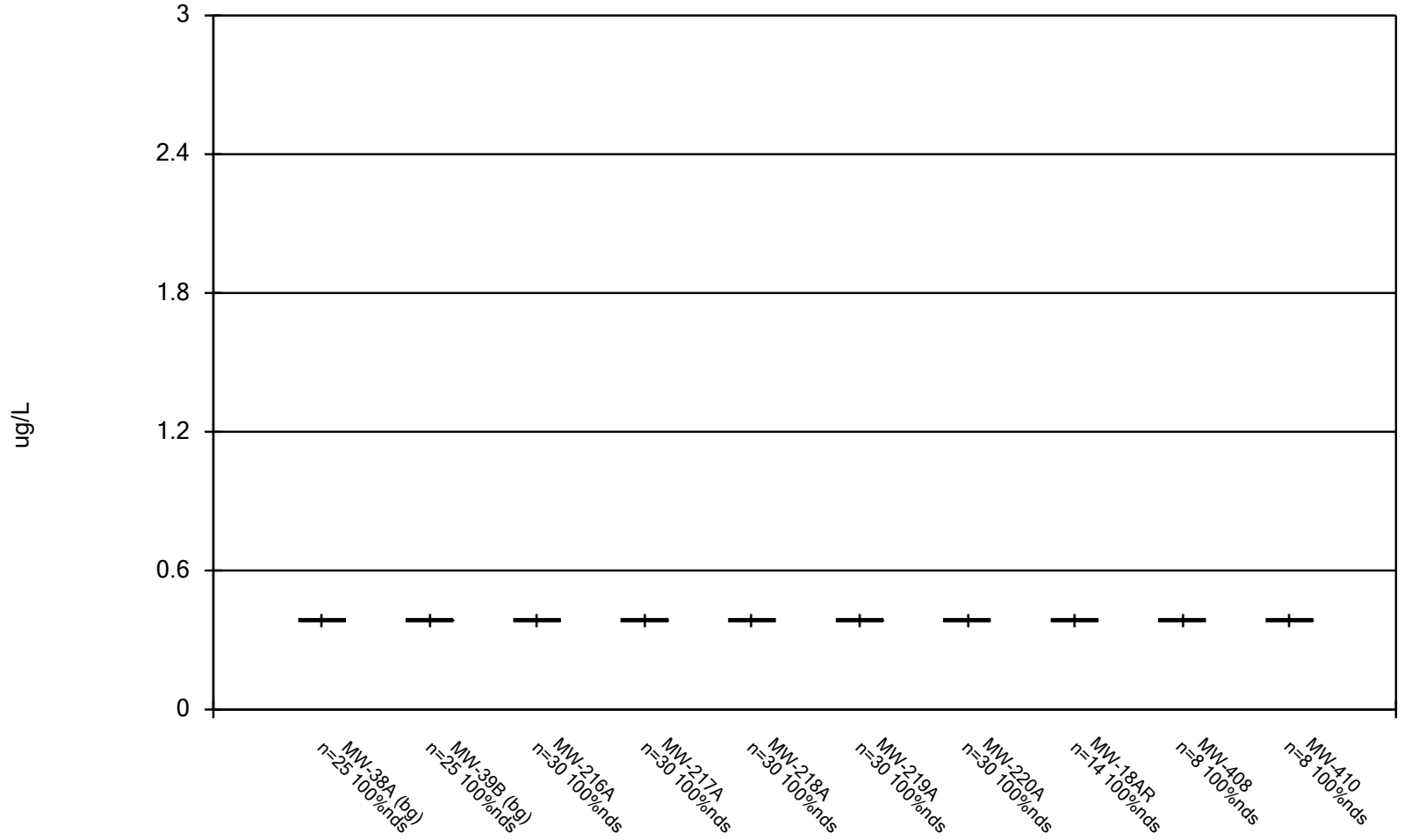
Box & Whiskers Plot



Constituent: 1,2-Dichloroethane Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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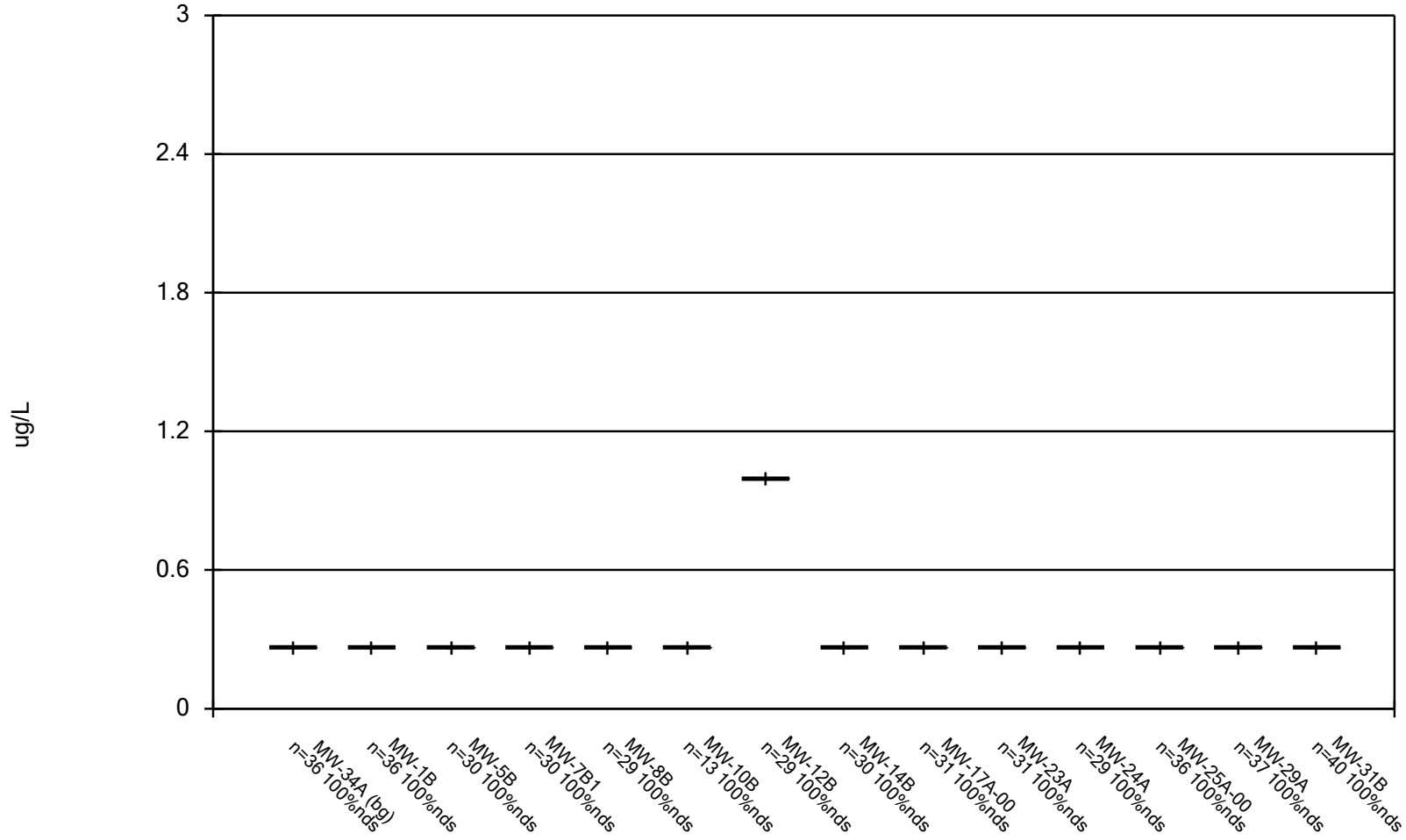

Constituent: 1,2-Dichloropropane Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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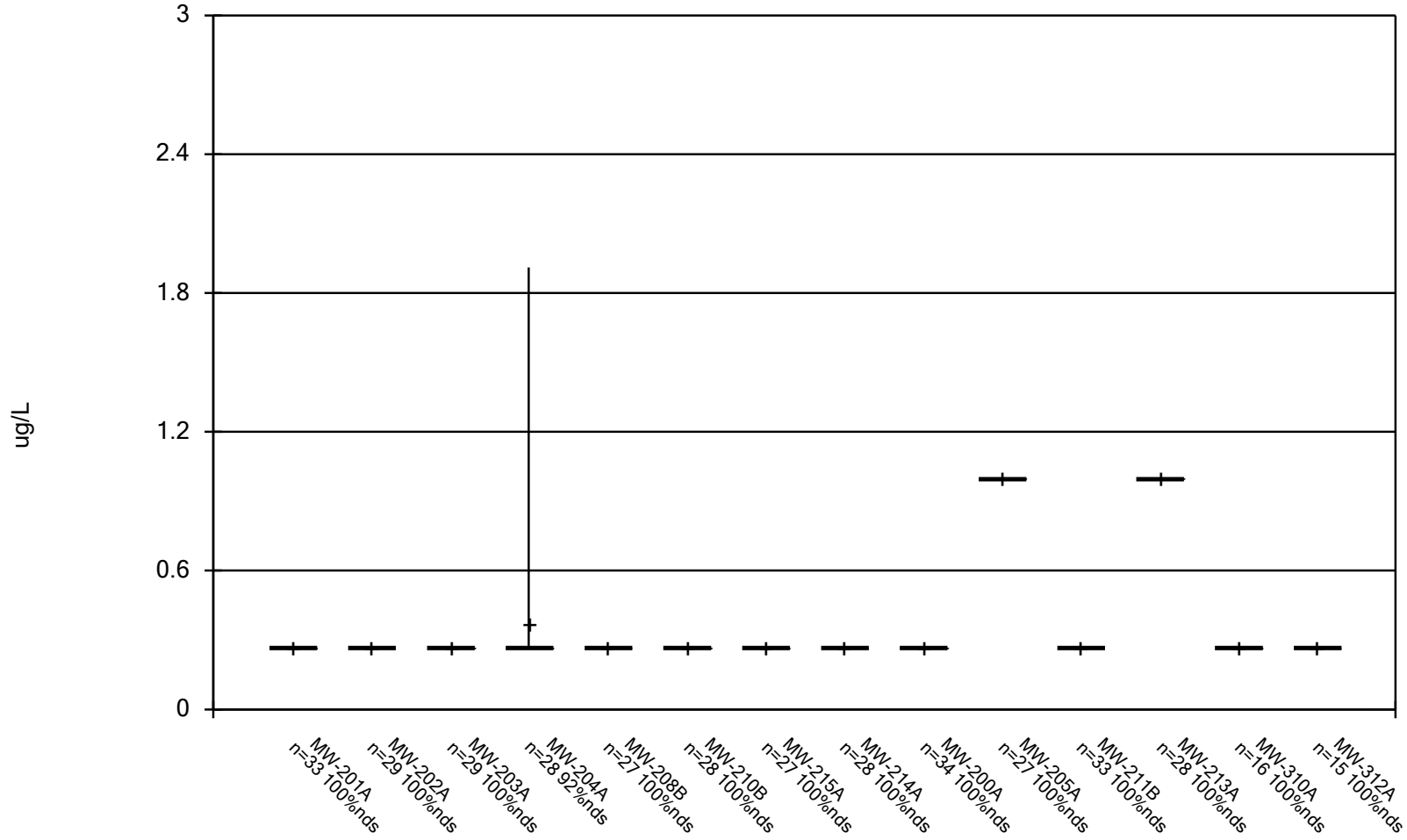
Box & Whiskers Plot



Constituent: 1,2-Dichloropropane Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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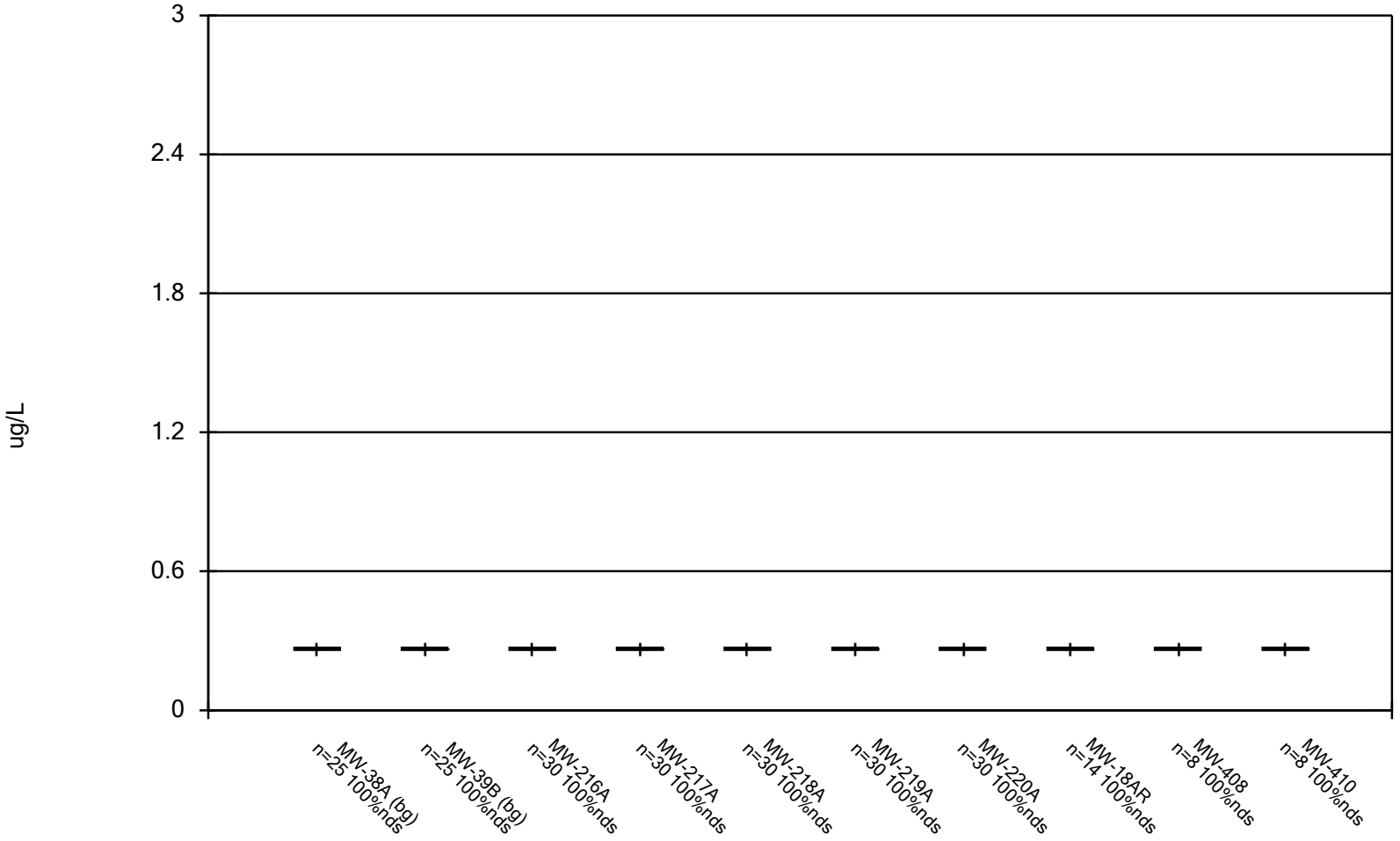

Constituent: 1,2-Dichloropropane Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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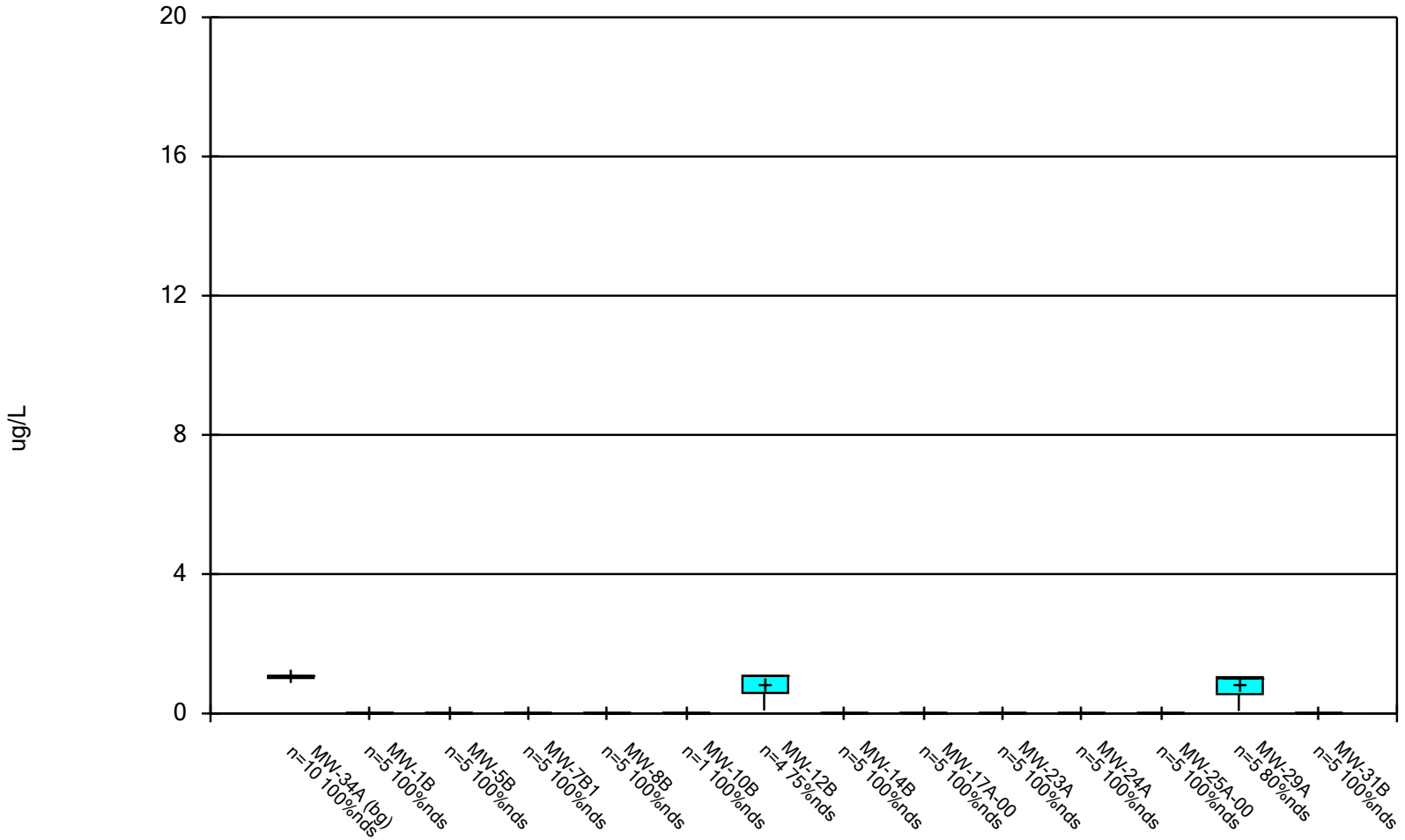

Constituent: 2,4,5-TP [Silvex] Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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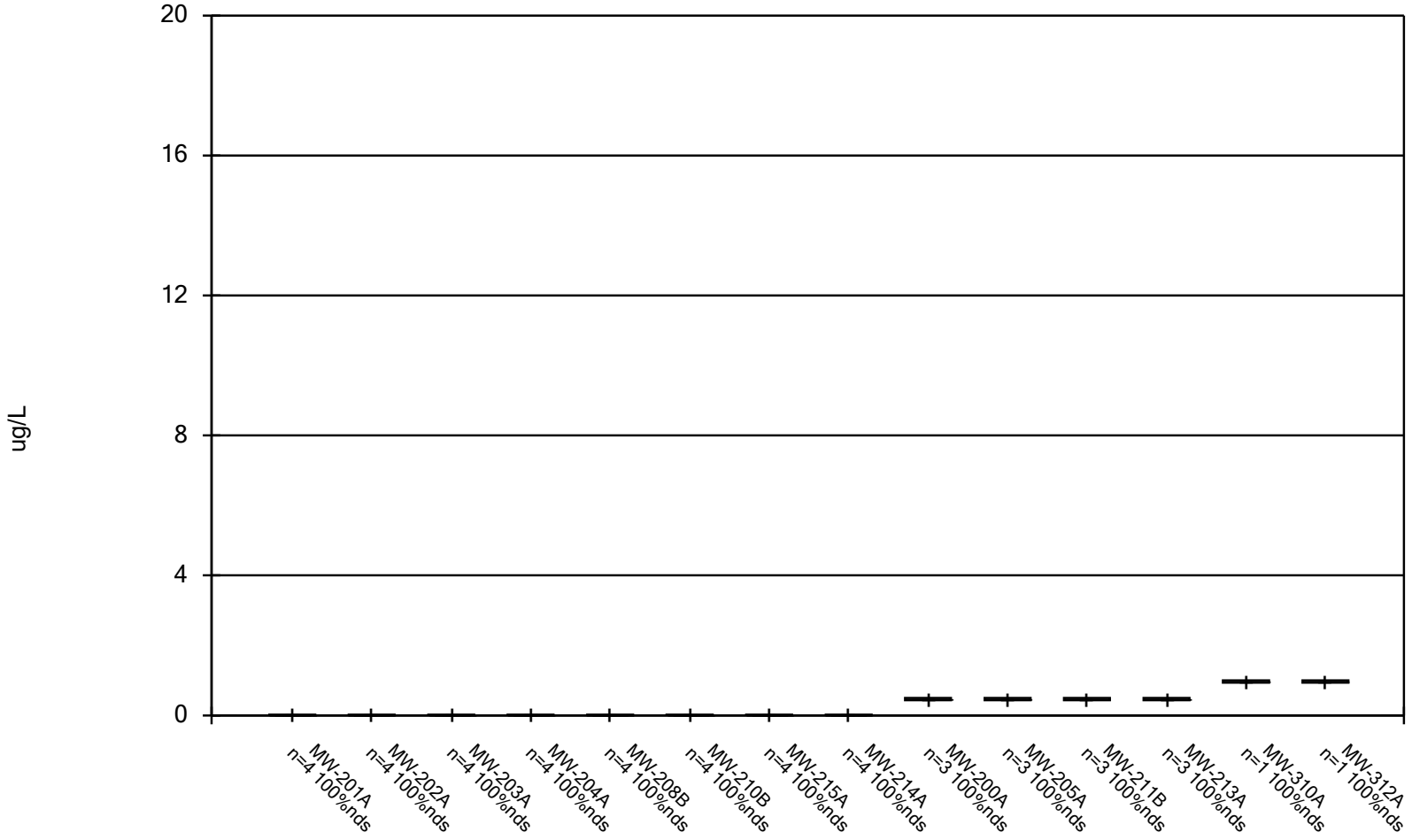

Constituent: 2,4,5-TP [Silvex] Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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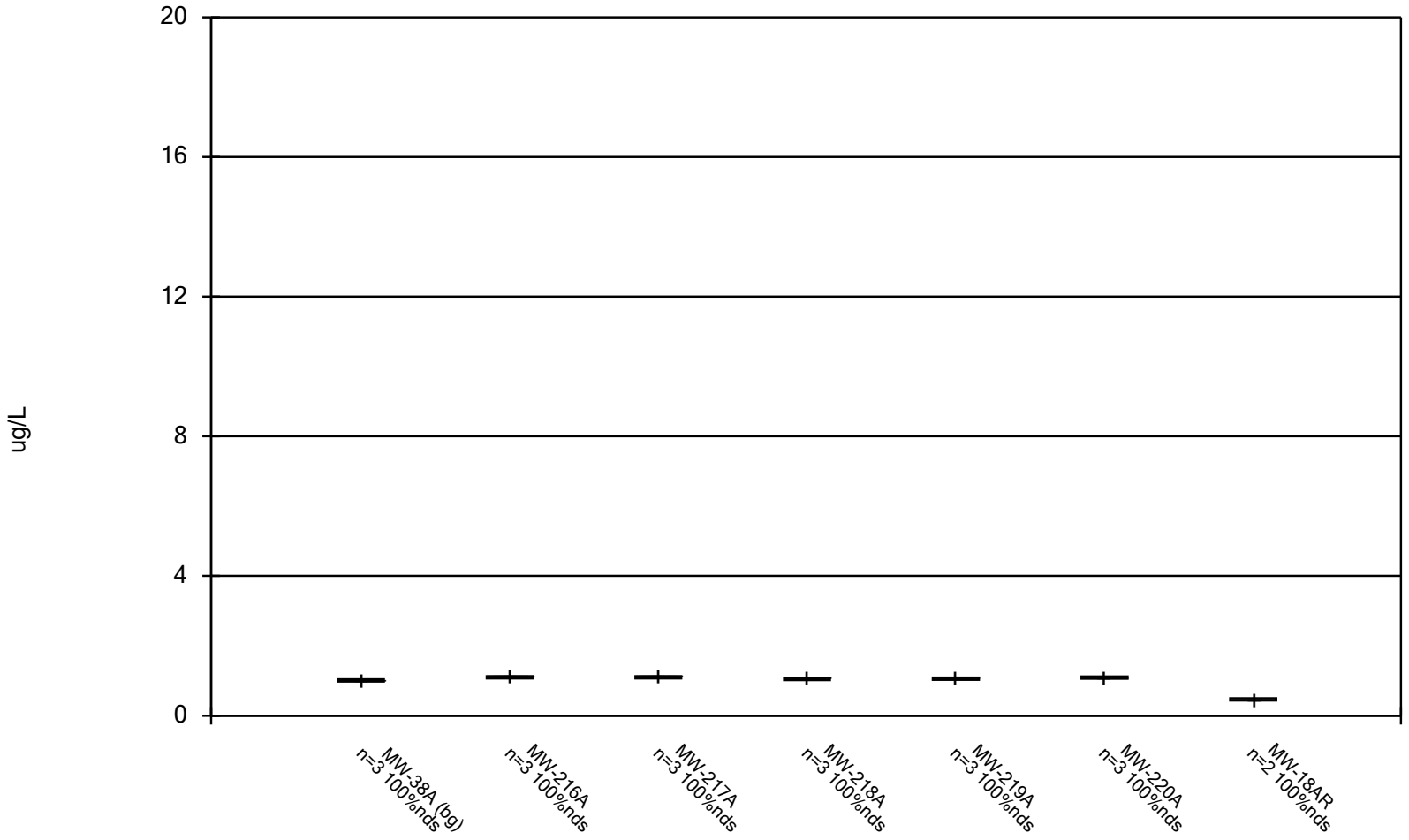

Constituent: 2,4,5-TP [Silvex] Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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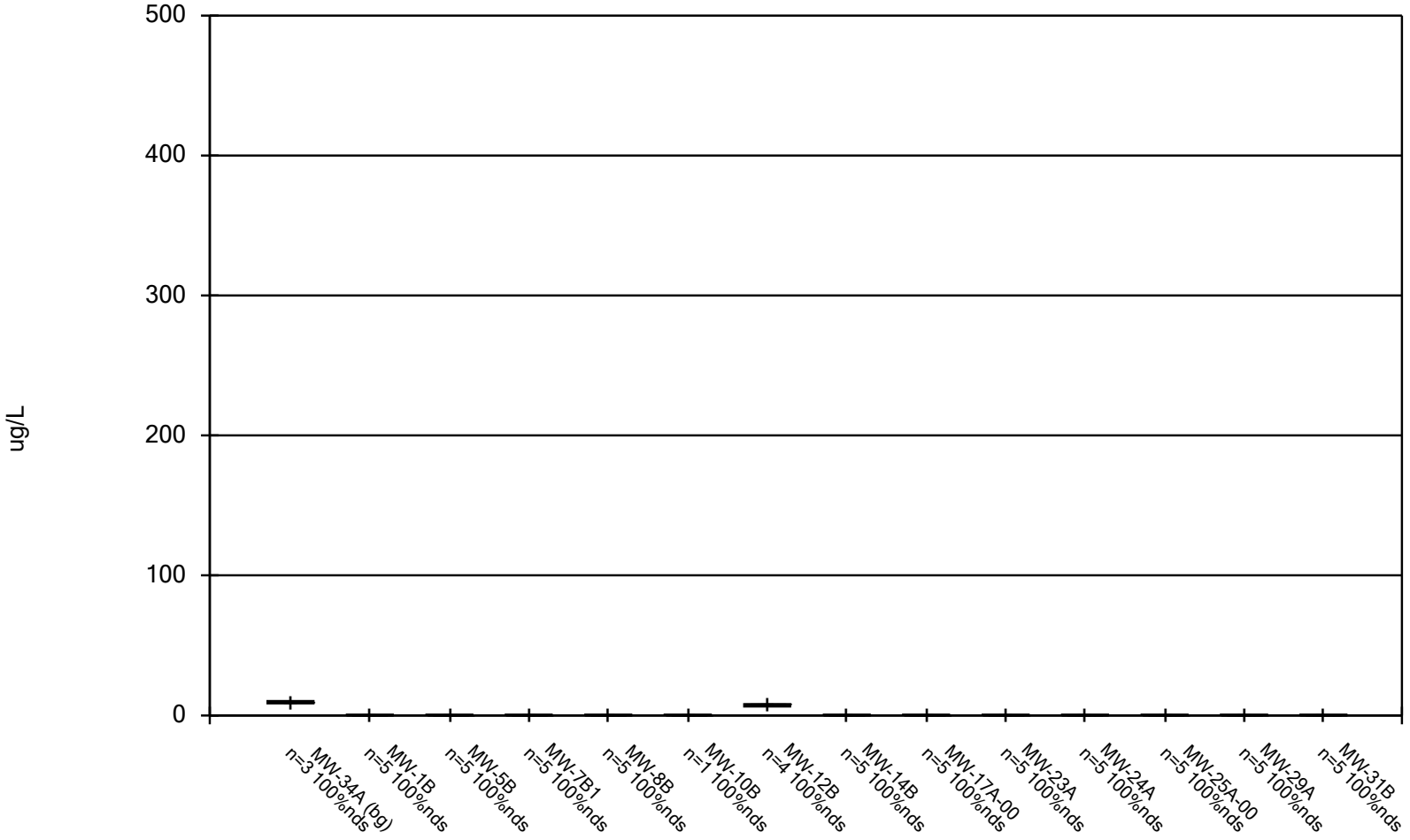

Constituent: 2,4-Dimethylphenol Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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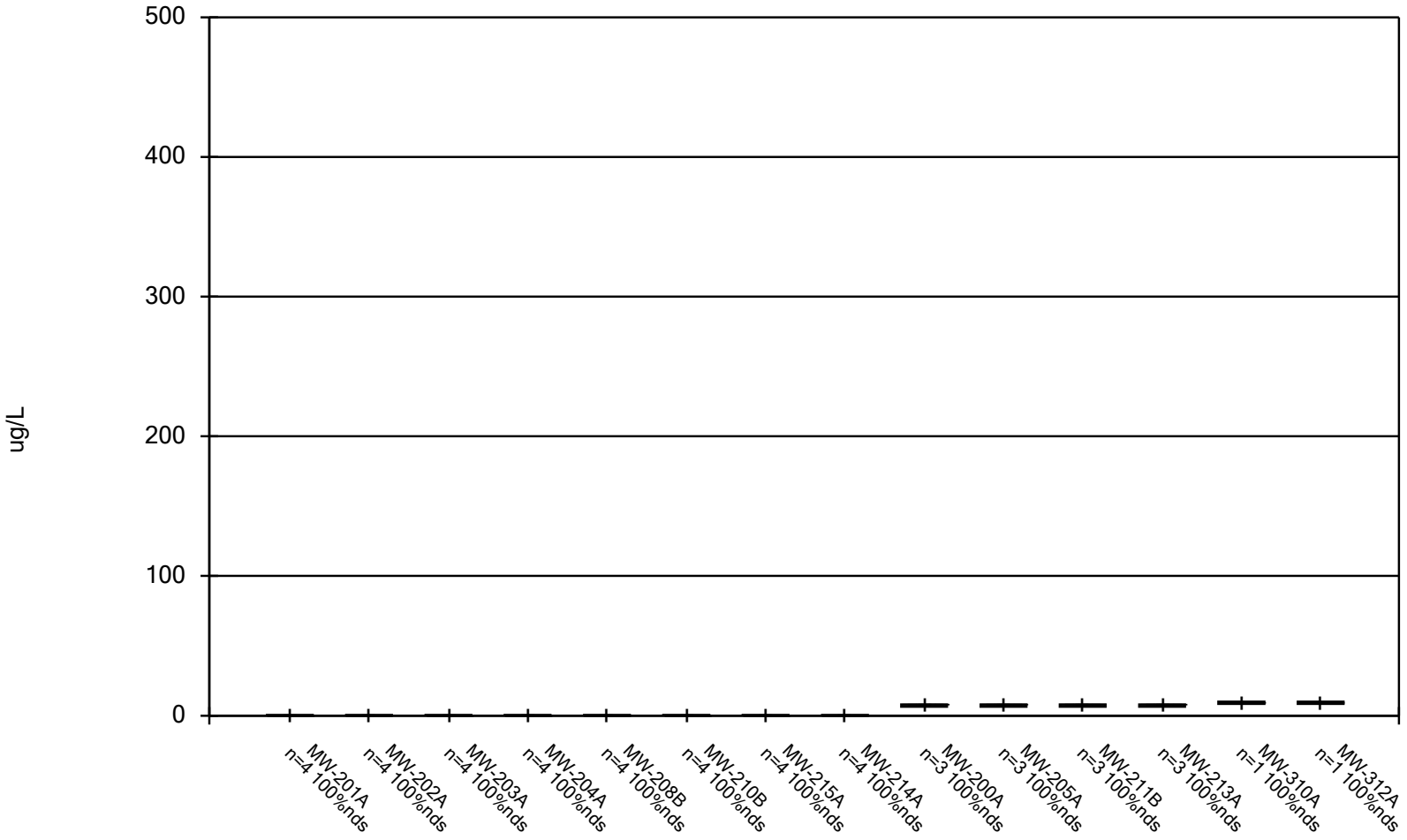
Box & Whiskers Plot



Constituent: 2,4-Dimethylphenol Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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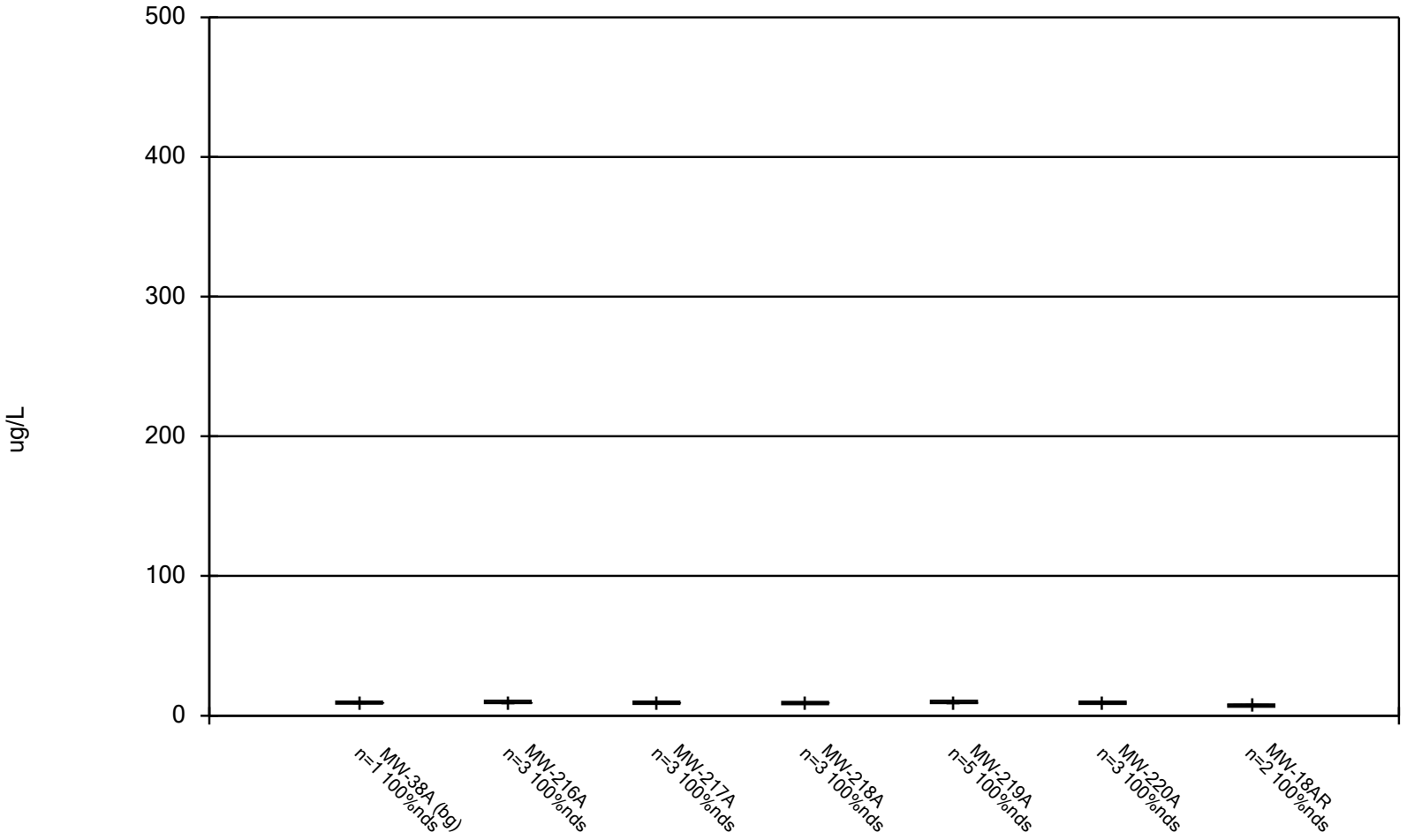

Constituent: 2,4-Dimethylphenol Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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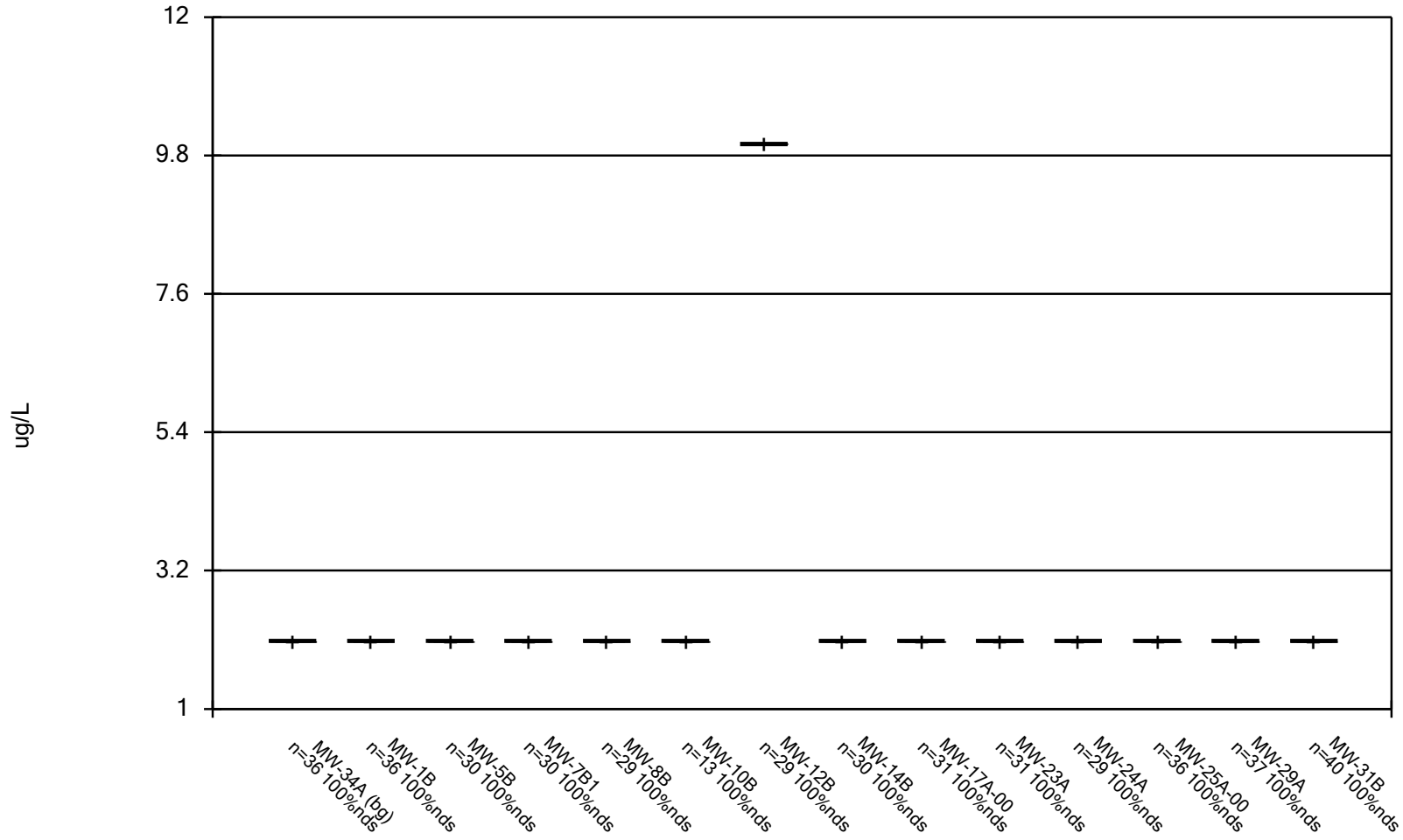

Constituent: 2-Butanone [MEK] Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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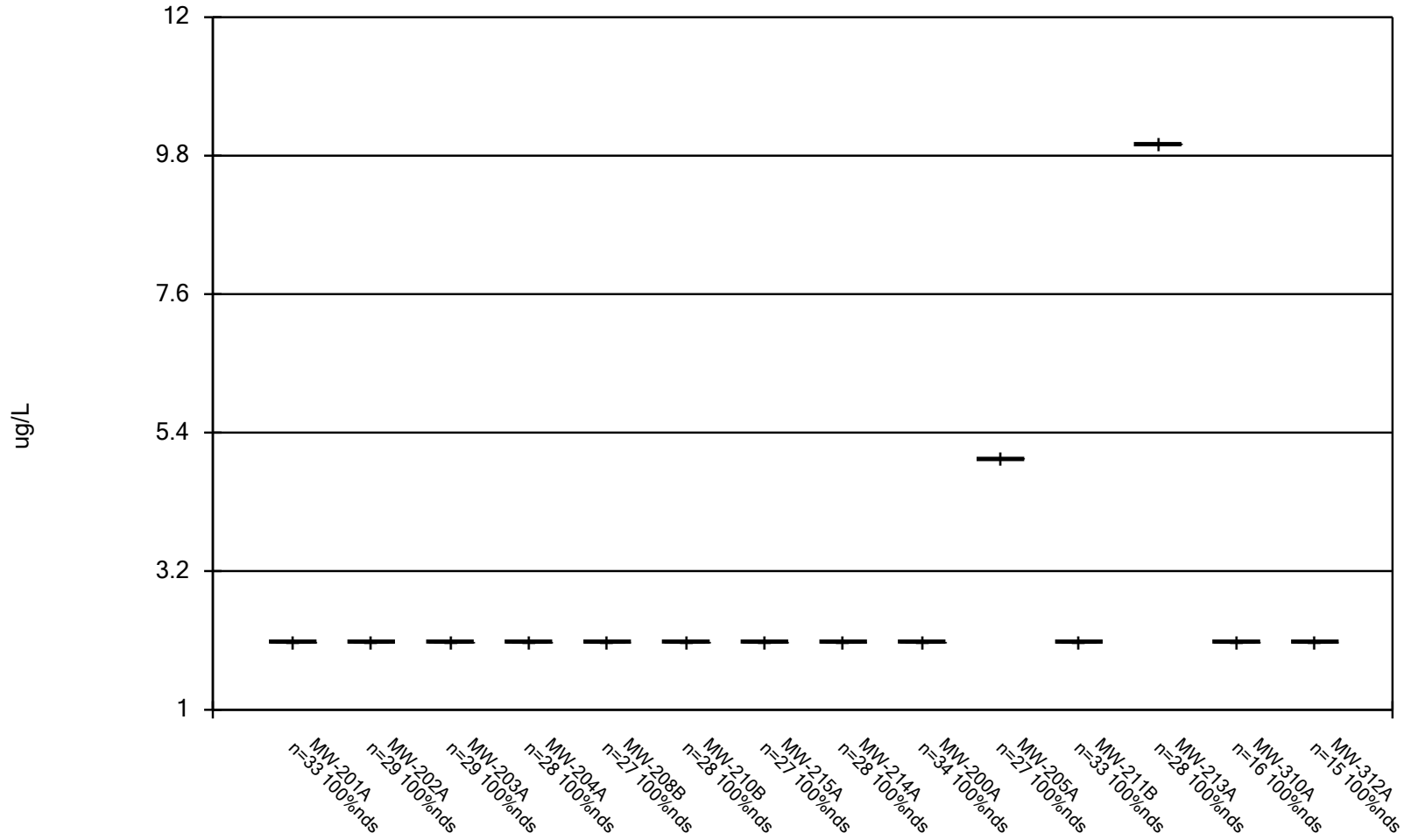
Box & Whiskers Plot



Constituent: 2-Butanone [MEK] Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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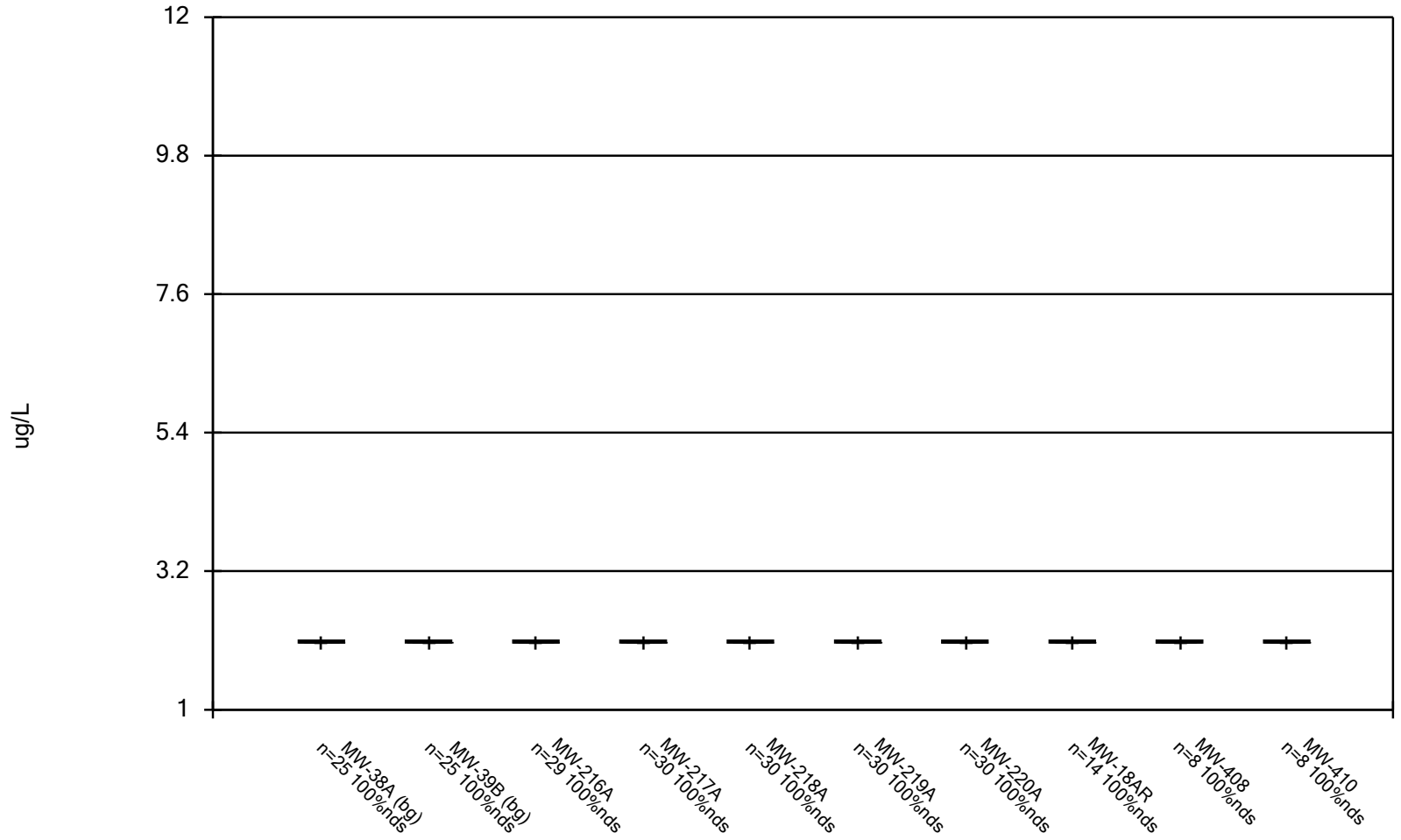
Box & Whiskers Plot



Constituent: 2-Butanone [MEK] Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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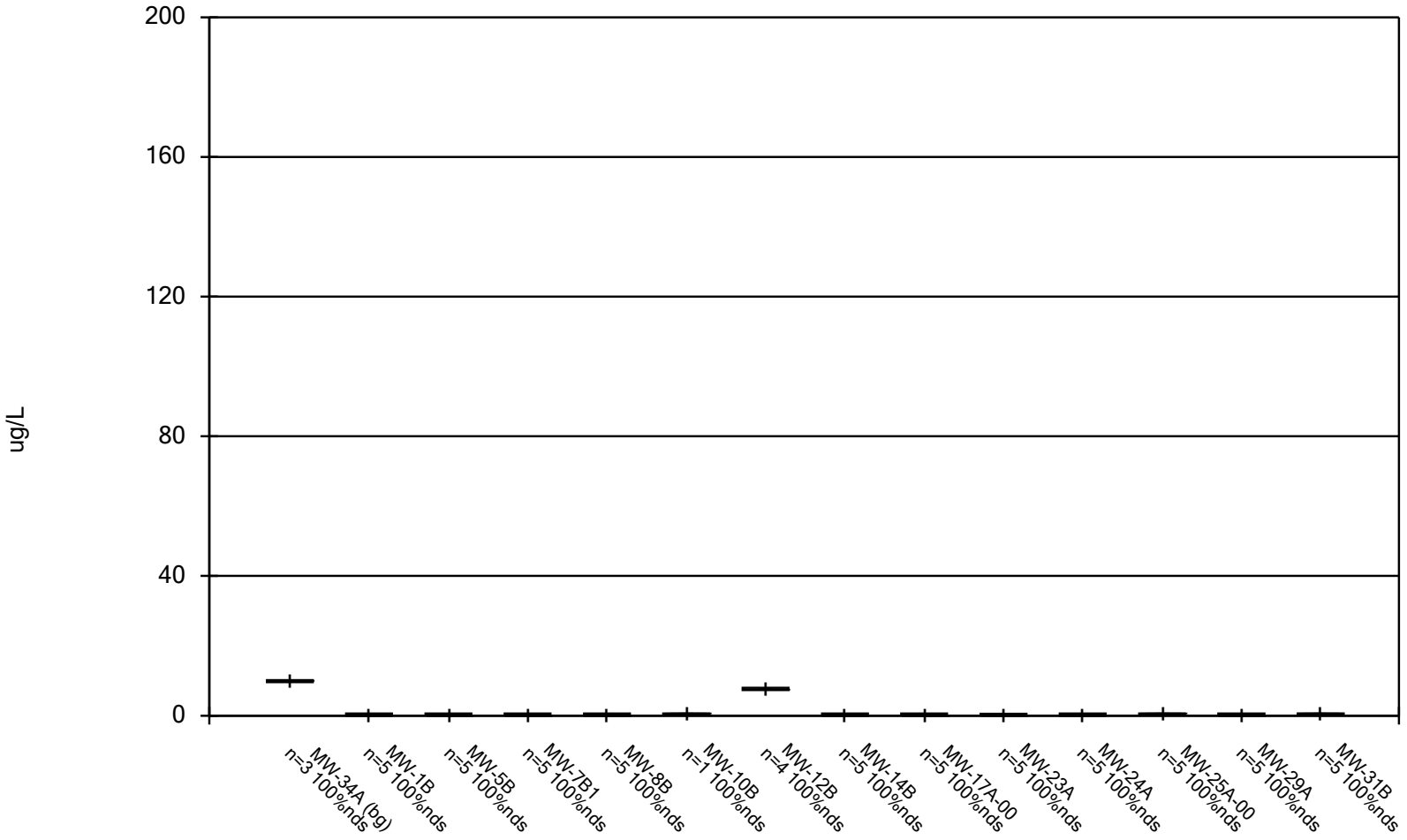

Constituent: 2-Methylnaphthalene Analysis Run 7/14/2025 12:08 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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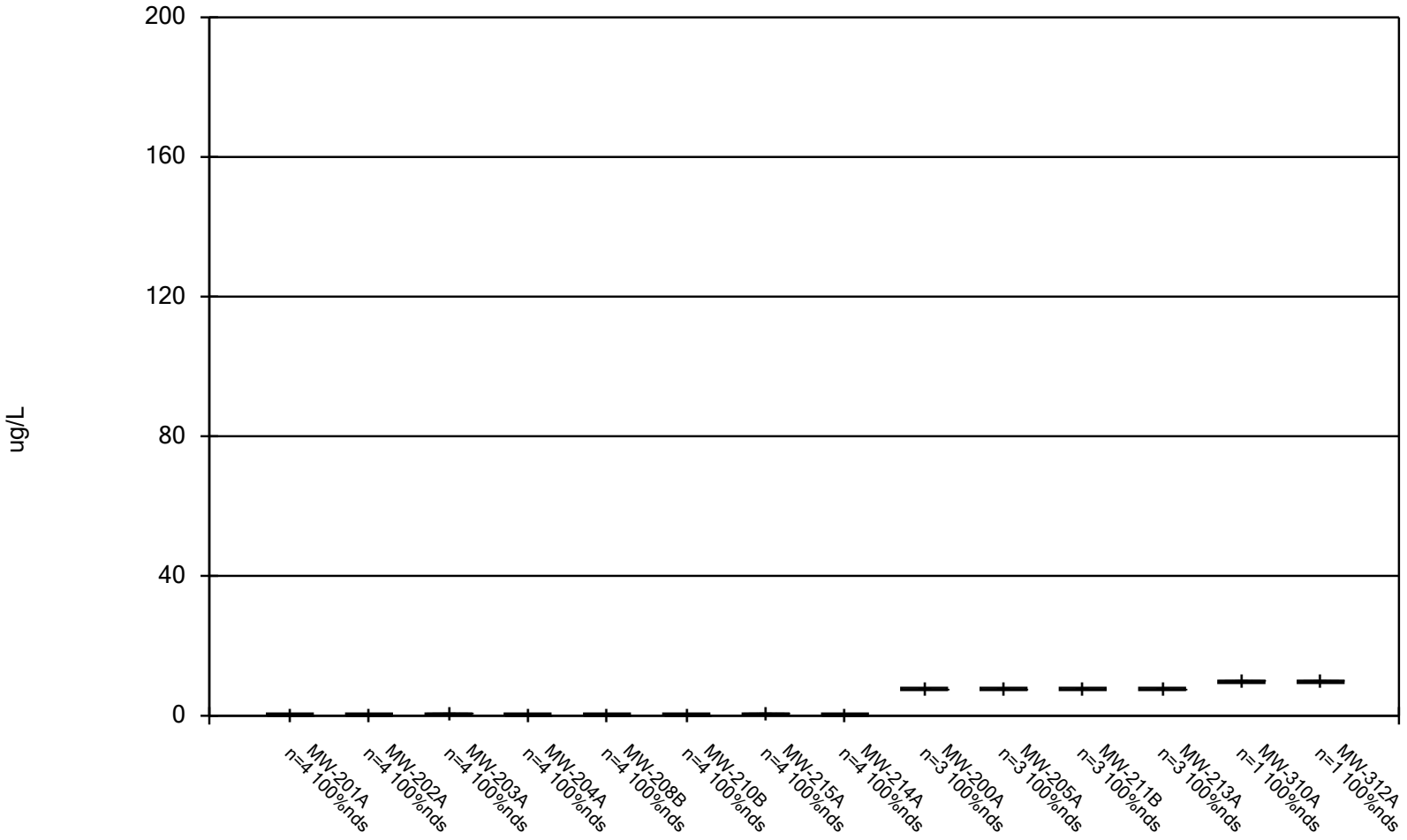
Box & Whiskers Plot



Constituent: 2-Methylnaphthalene Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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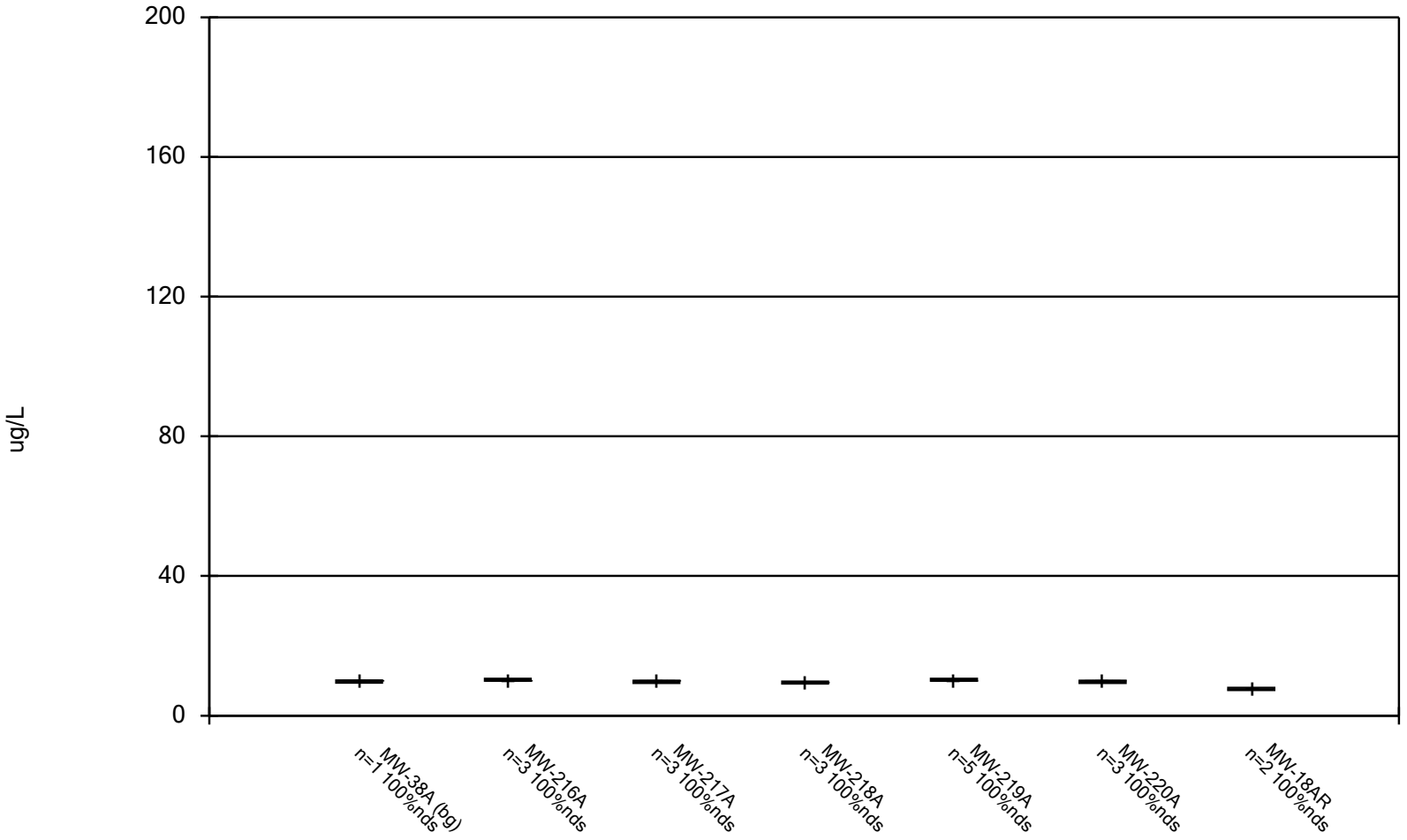
Box & Whiskers Plot



Constituent: 2-Methylnaphthalene Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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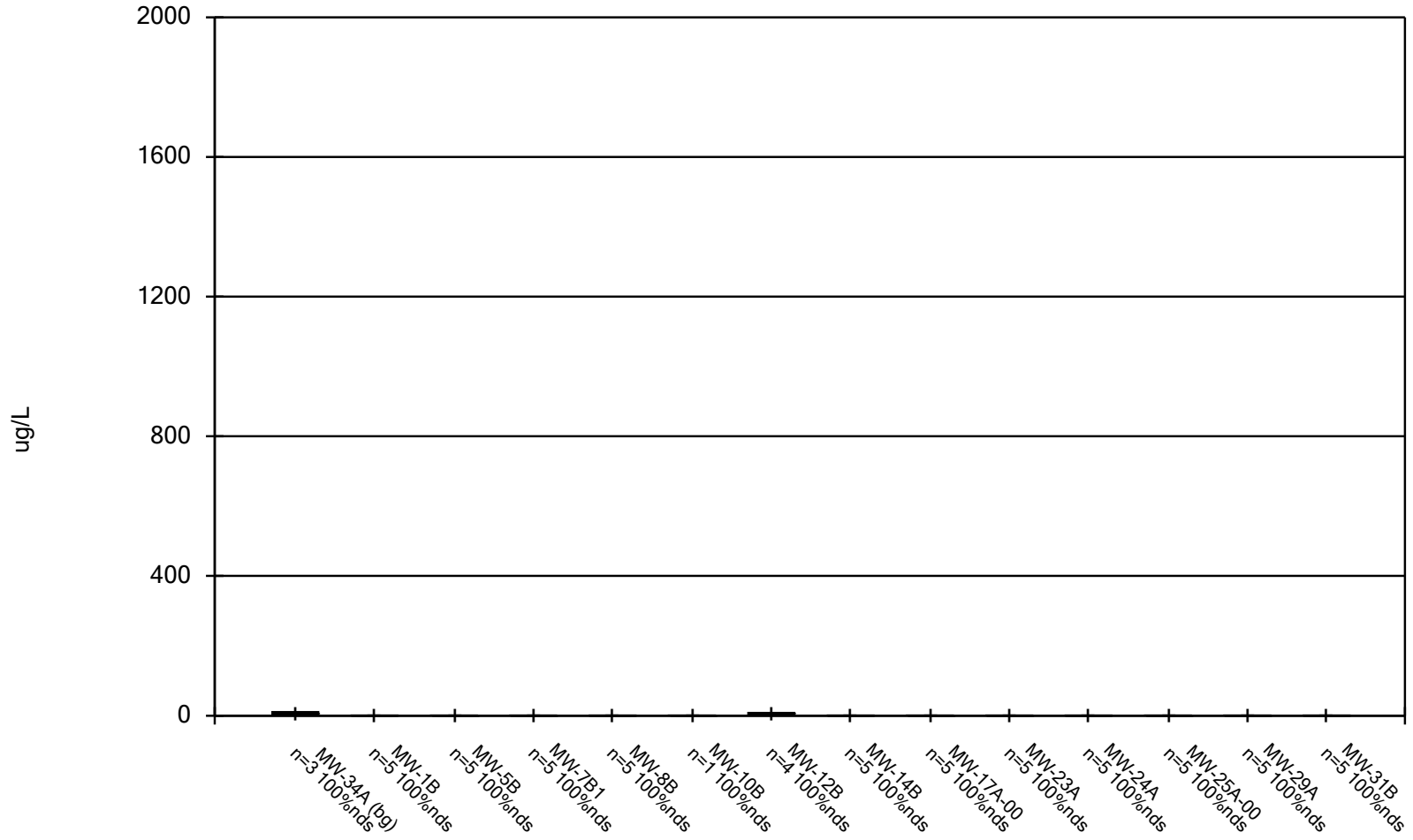
Box & Whiskers Plot



Constituent: 2-Methylphenol Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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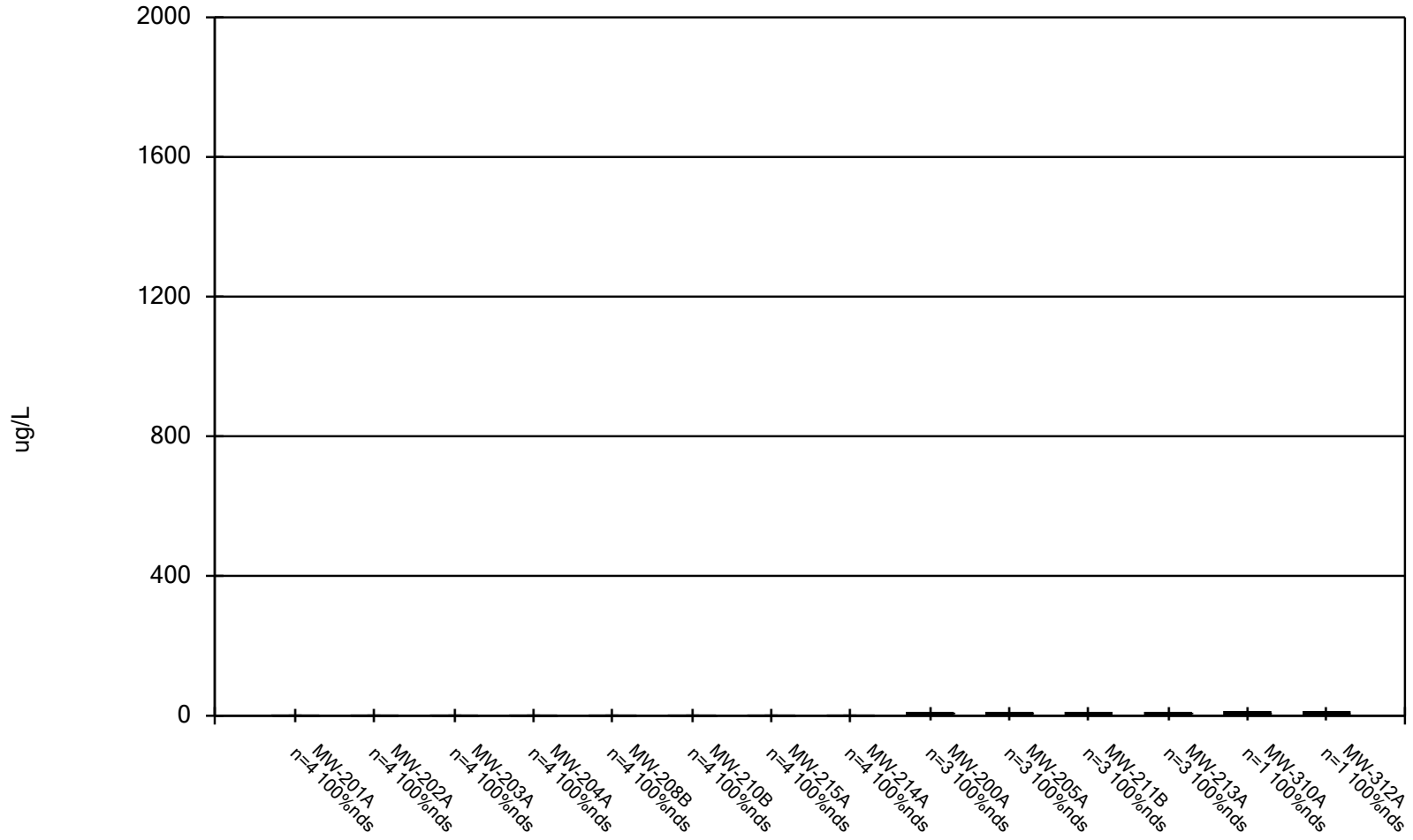
Box & Whiskers Plot



Constituent: 2-Methylphenol Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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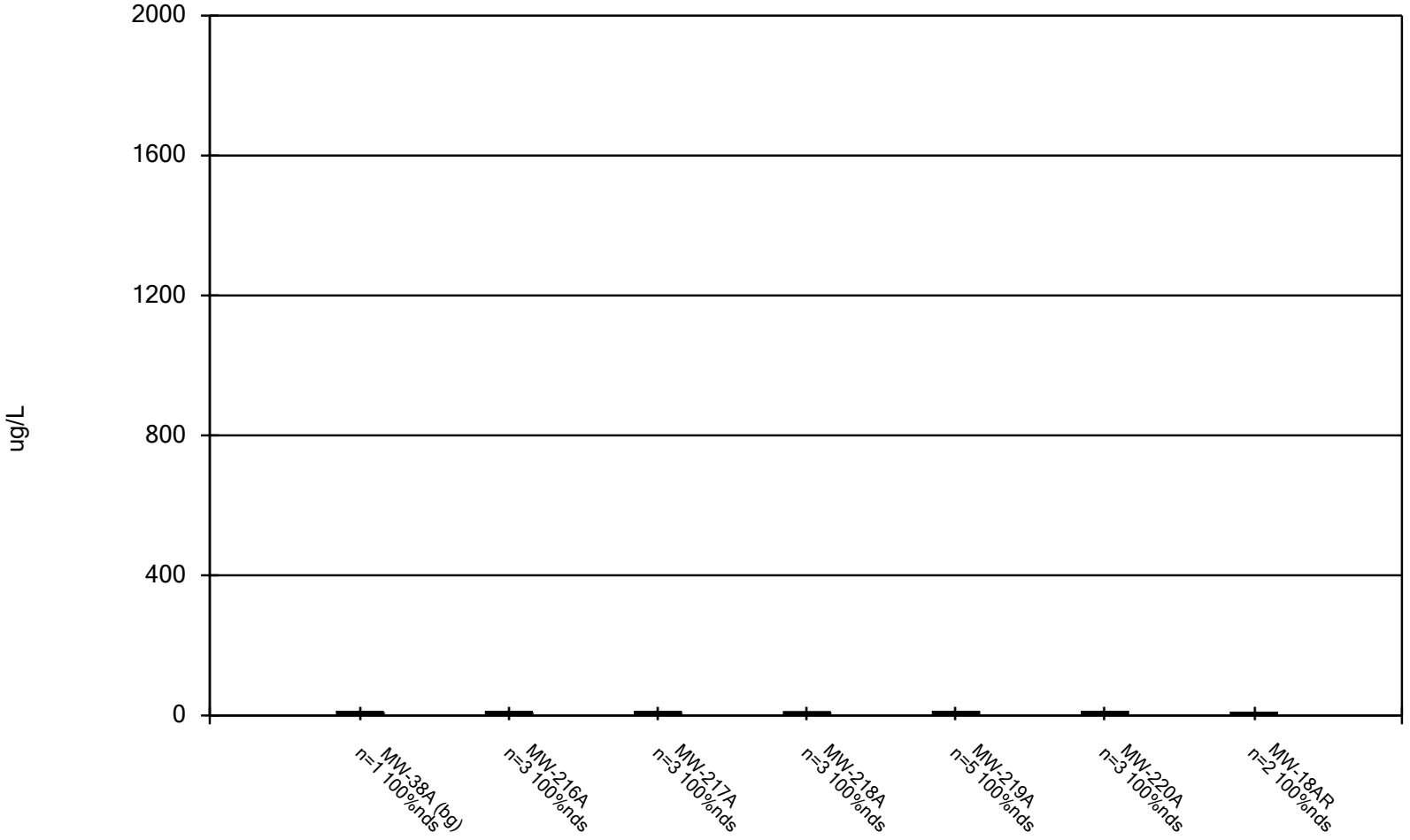
Box & Whiskers Plot

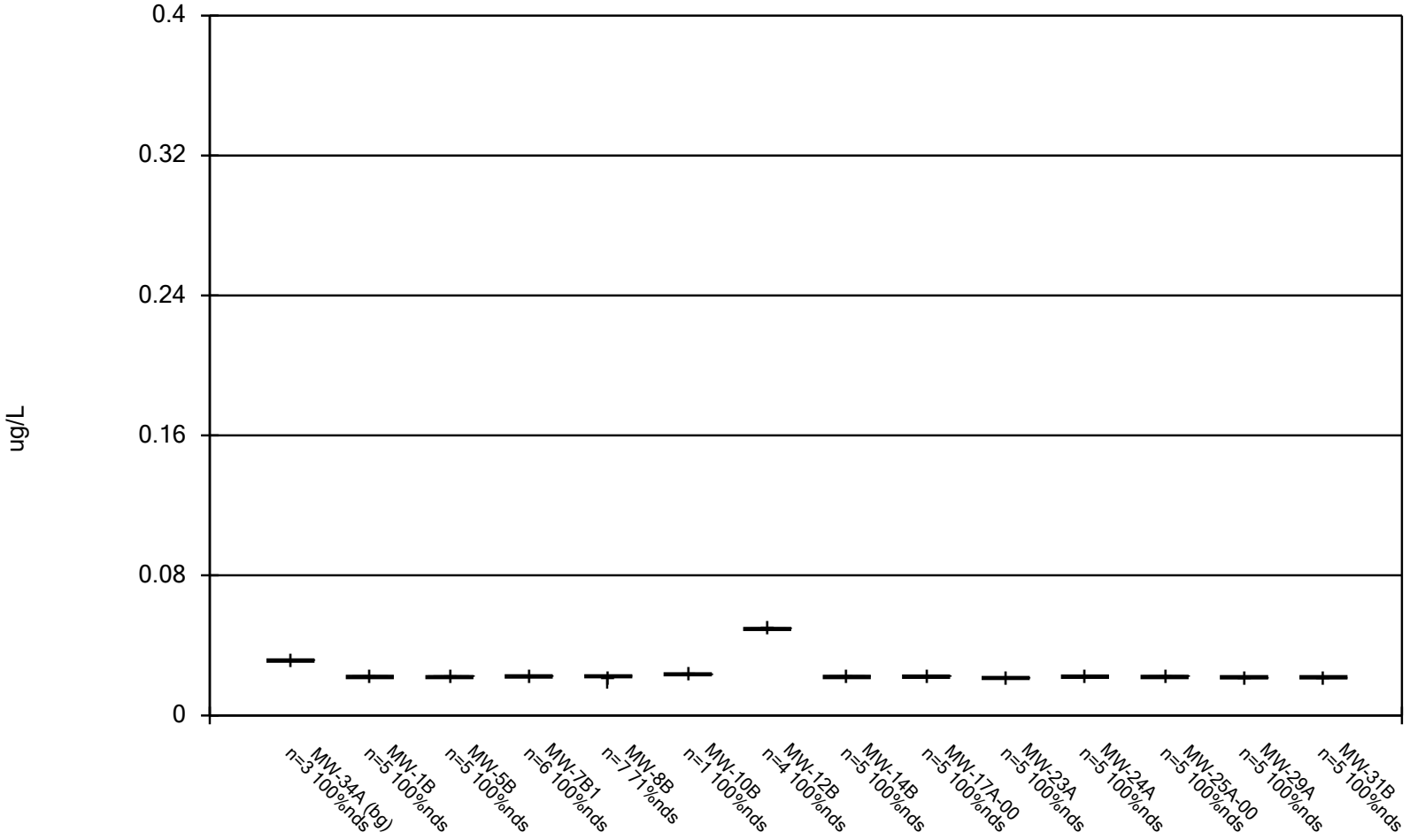


Constituent: 2-Methylphenol Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

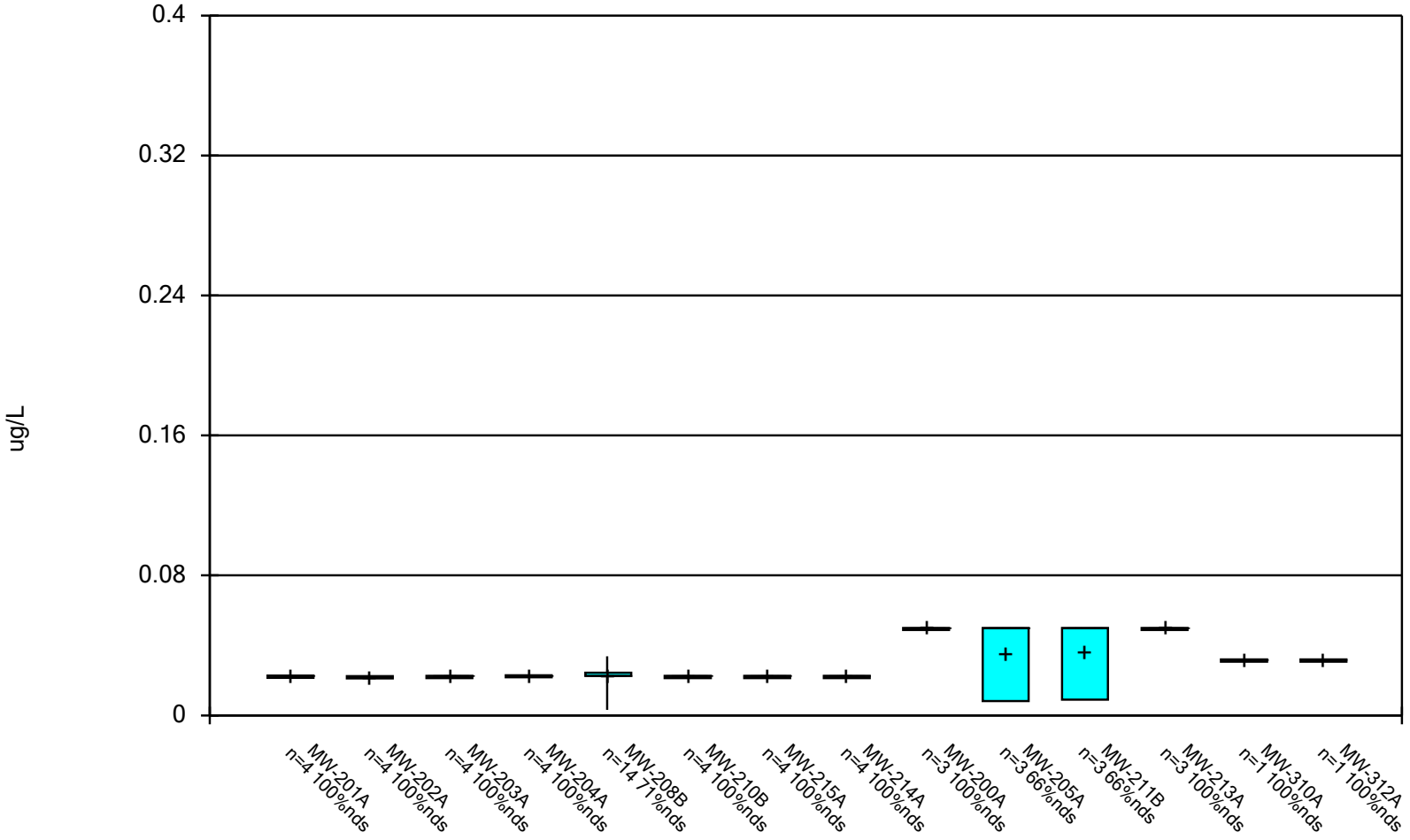


Constituent: 4,4`-DDD Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

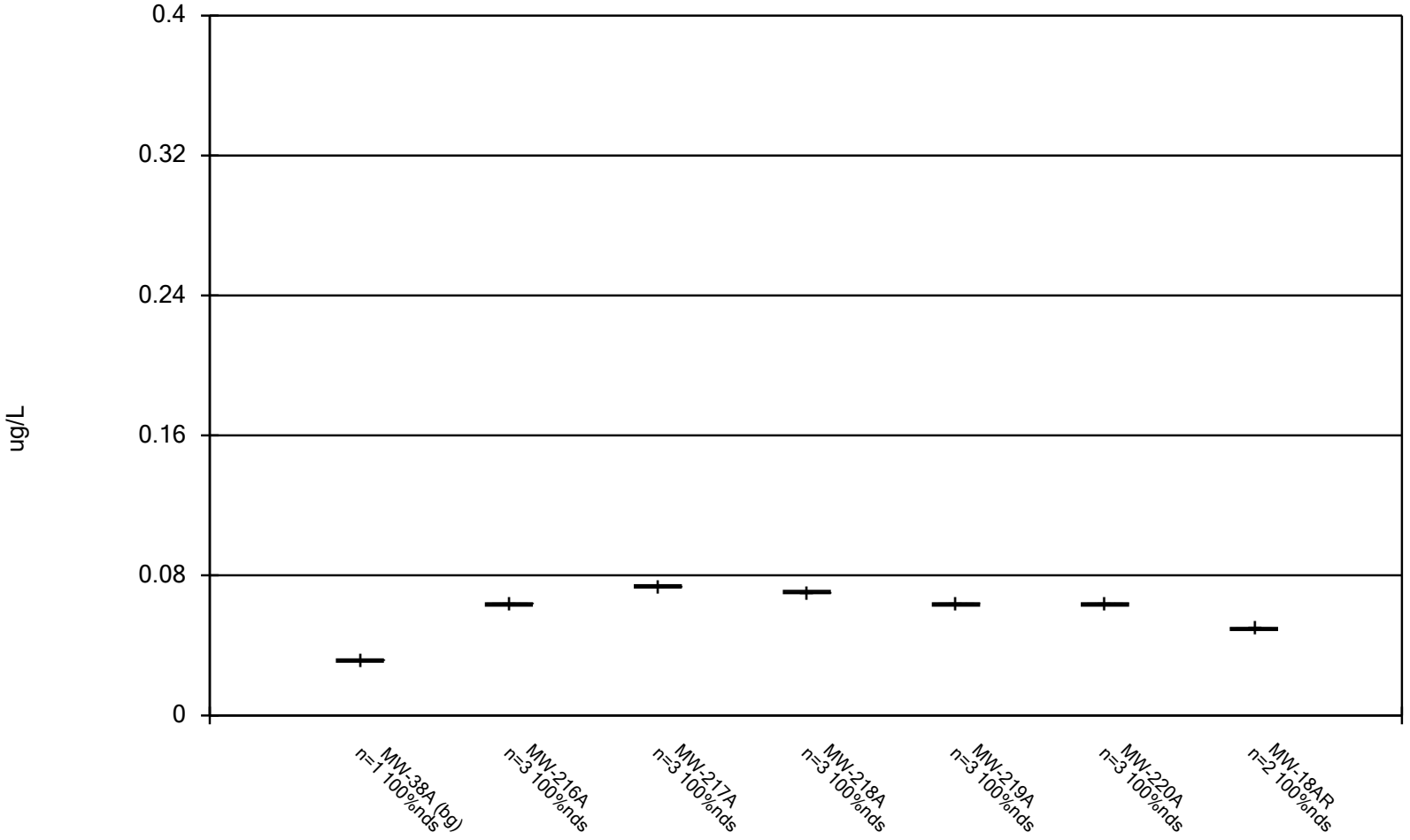


Constituent: 4,4`-DDD Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

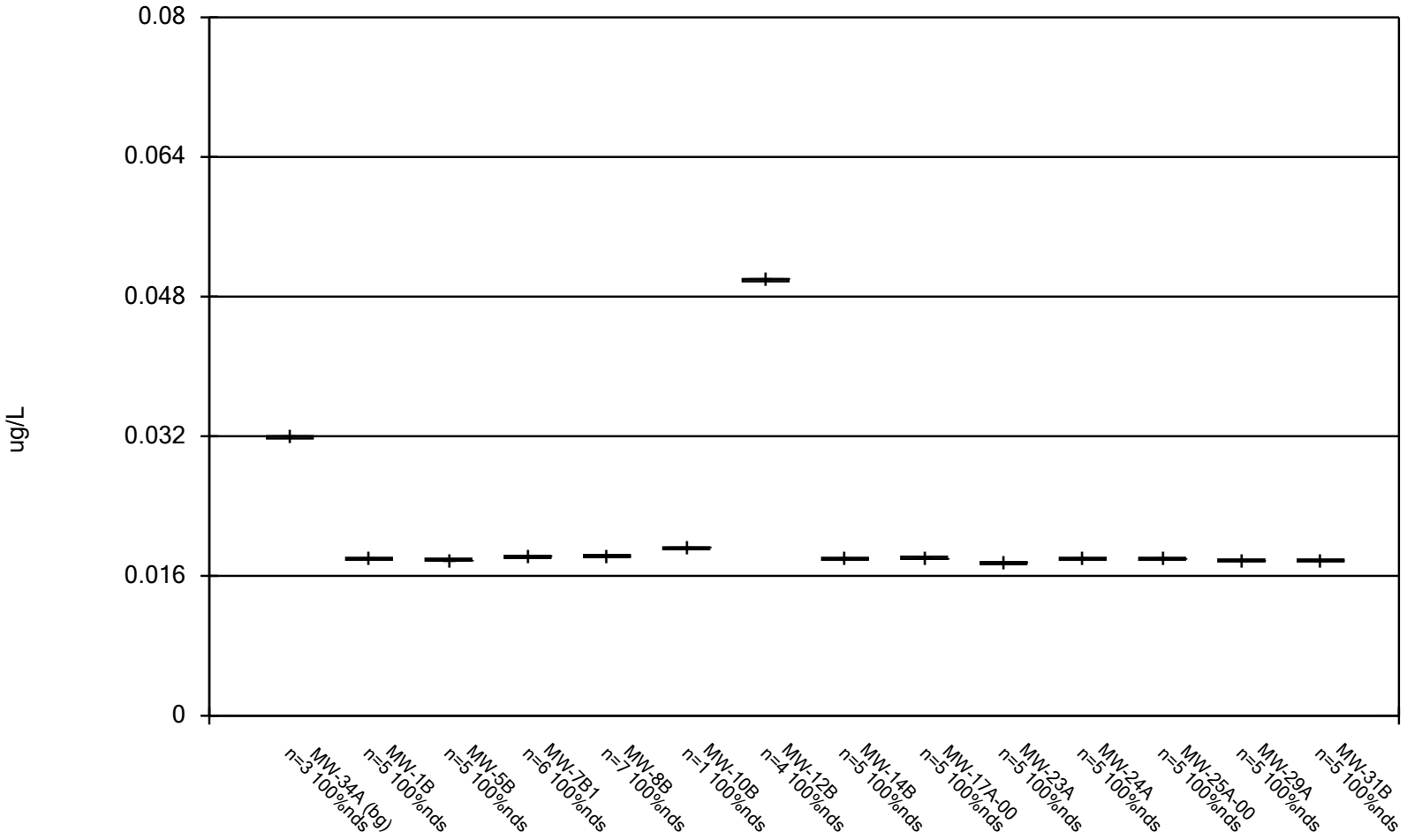


Constituent: 4,4`-DDD Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: 4,4`-DDT Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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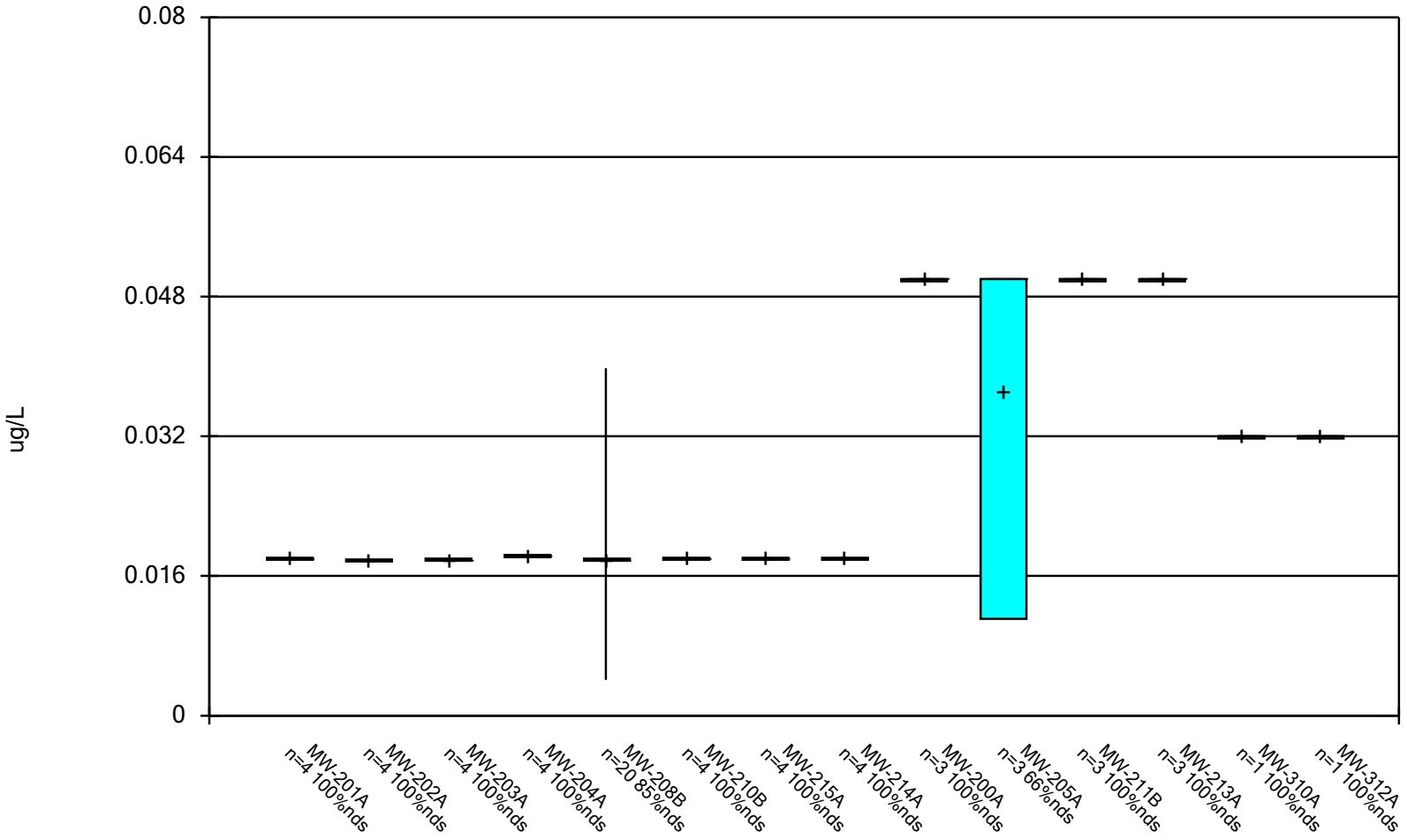
Box & Whiskers Plot



Constituent: 4,4`-DDT Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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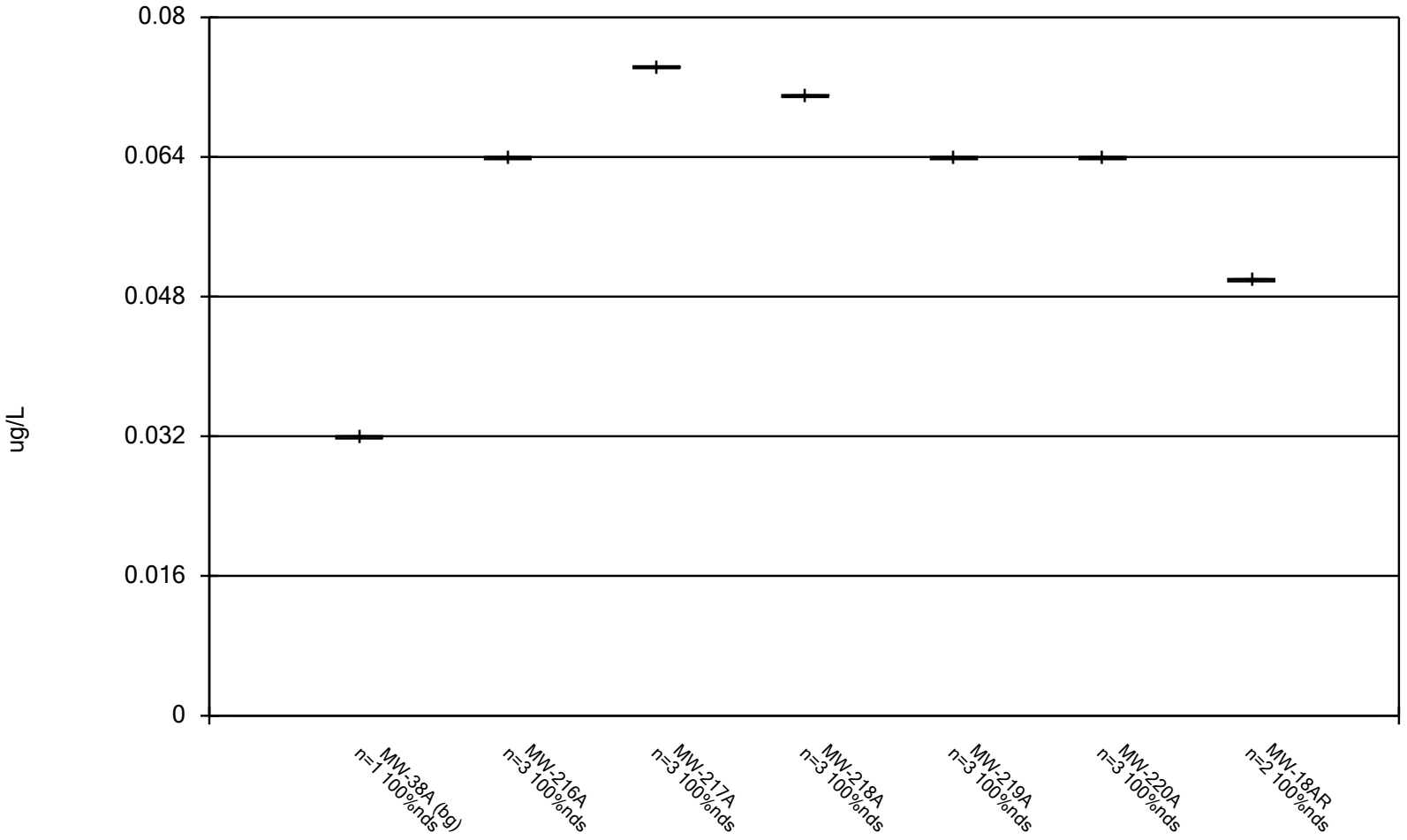
Box & Whiskers Plot



Constituent: 4,4`-DDT Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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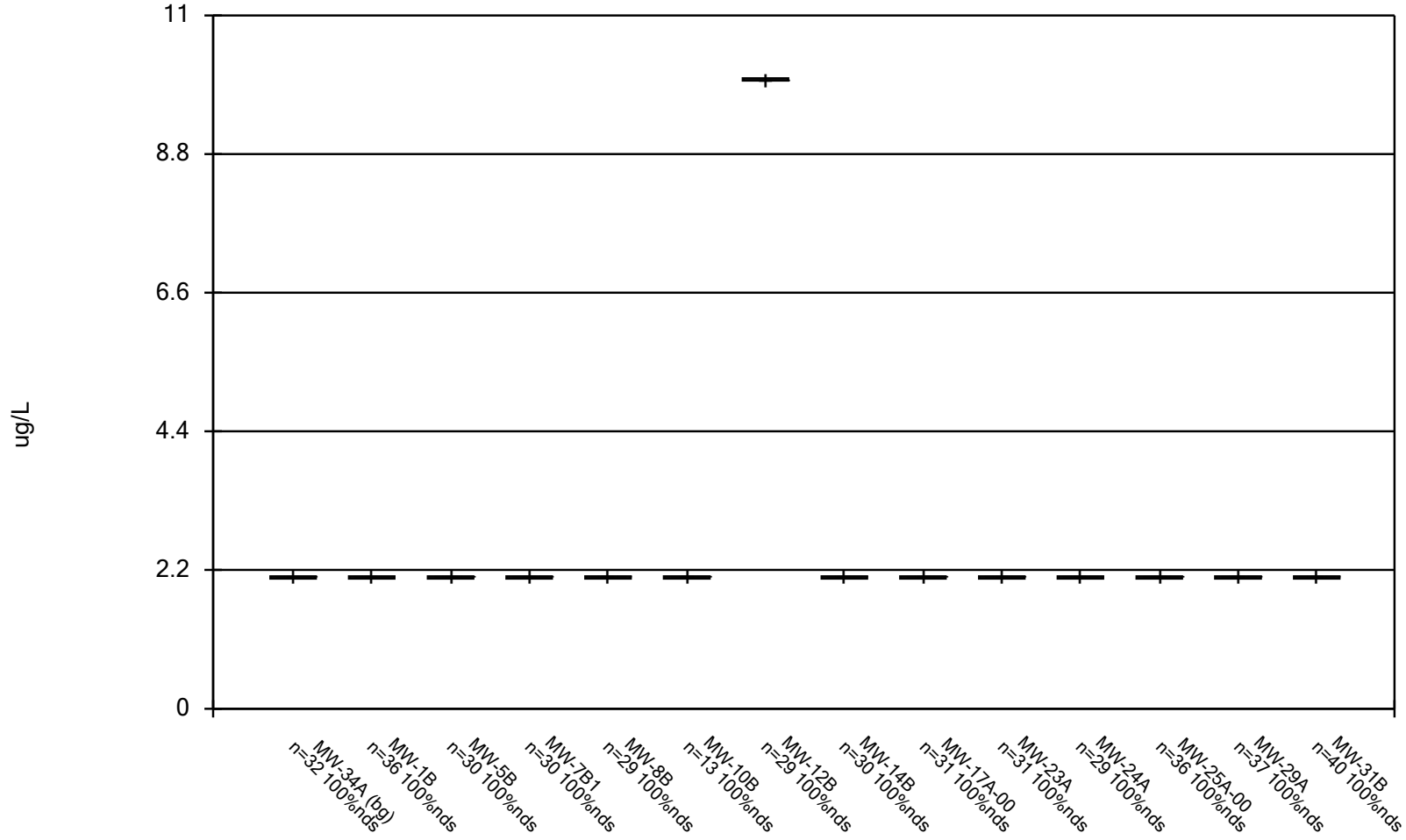
Box & Whiskers Plot



Constituent: 4-Methyl-2-pentanone [MIBK] Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_P

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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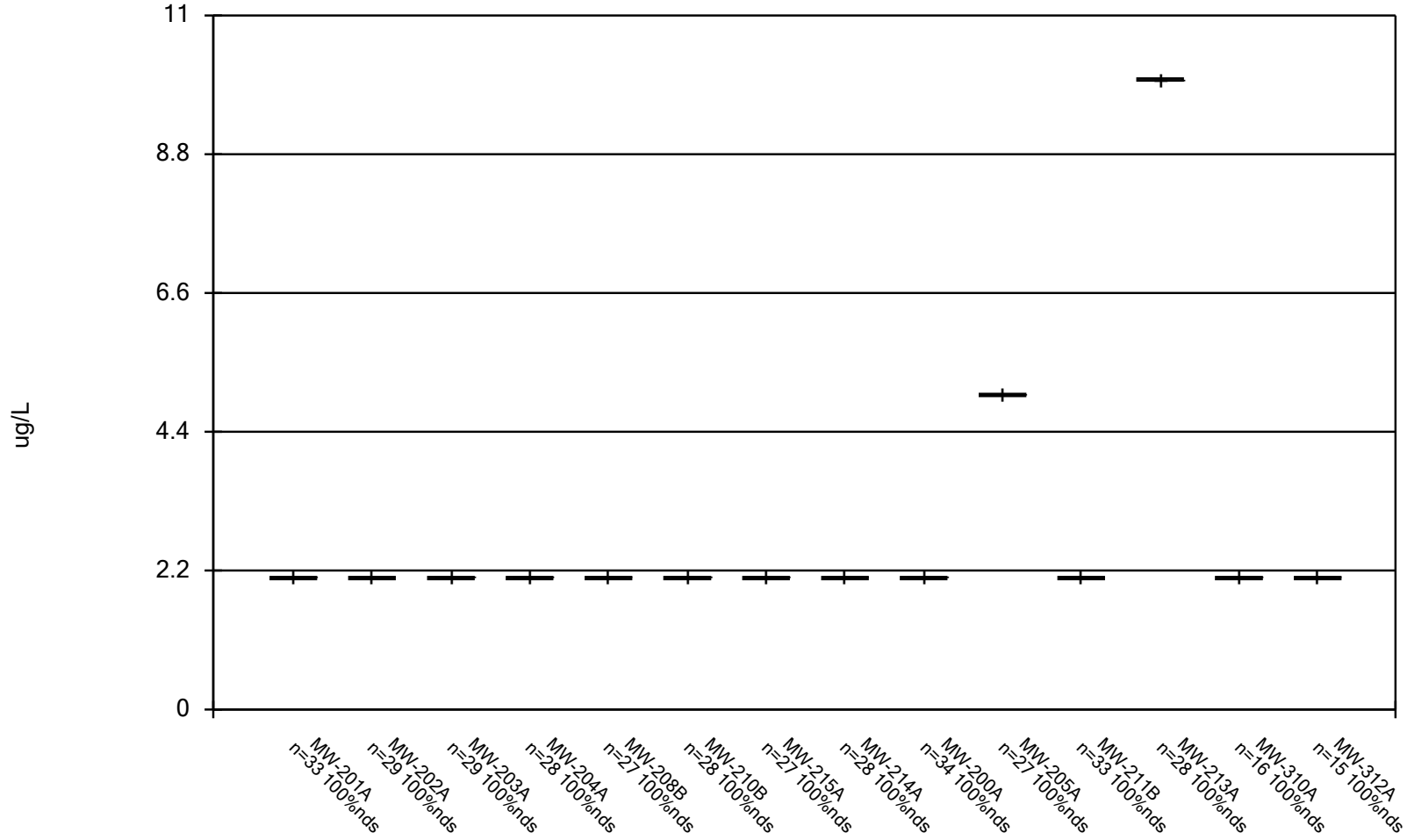
Box & Whiskers Plot



Constituent: 4-Methyl-2-pentanone [MIBK] Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_P

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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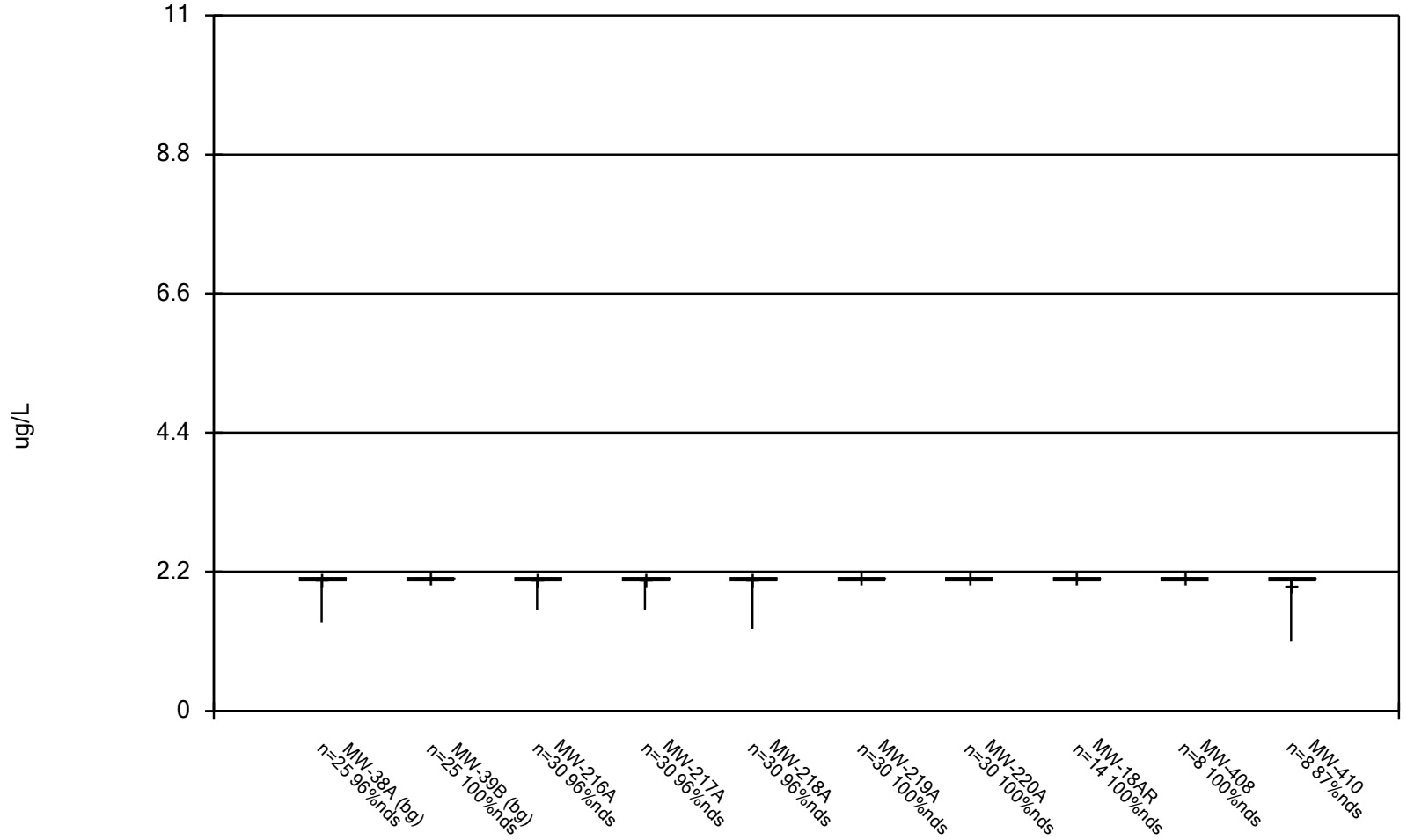
Box & Whiskers Plot

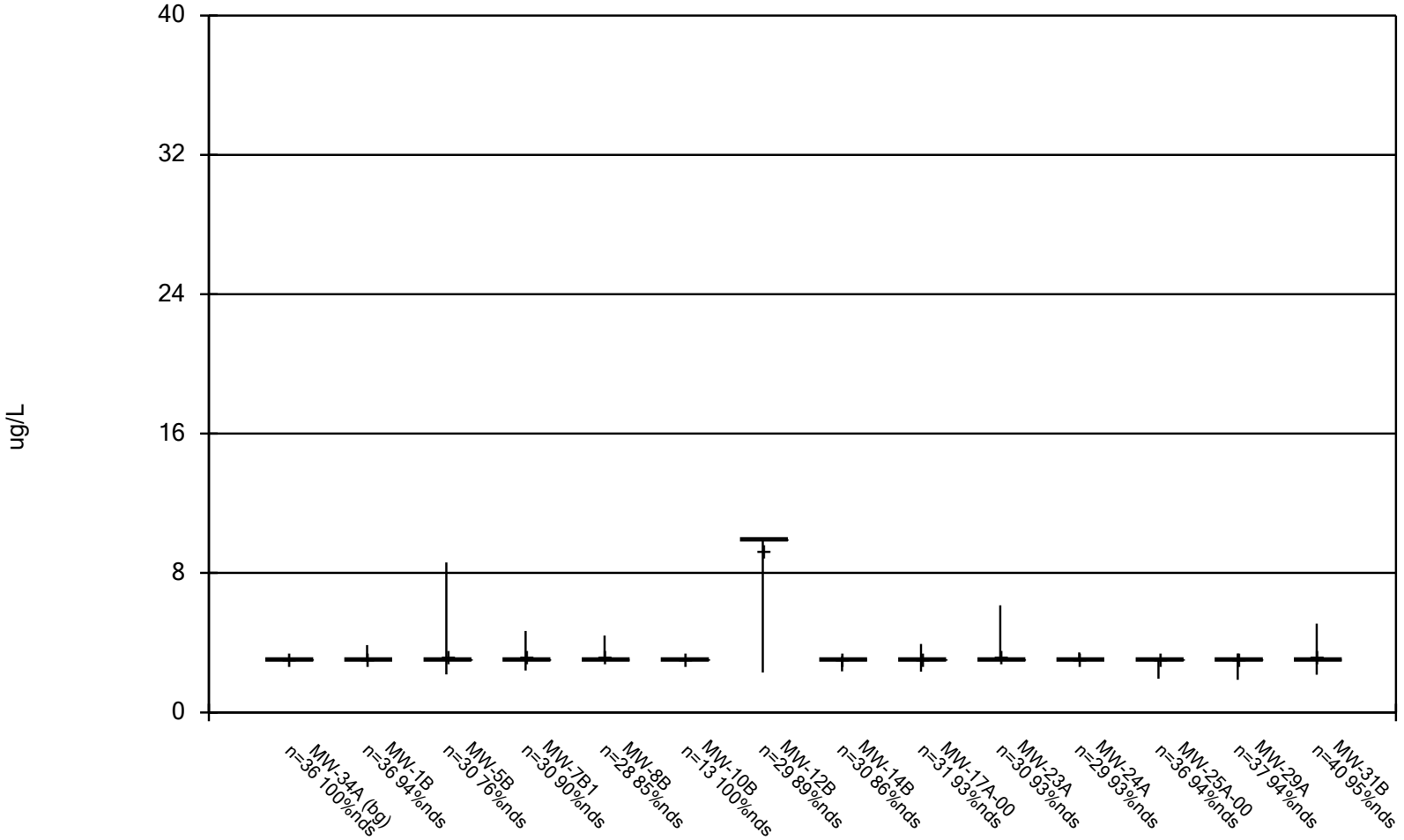


Constituent: 4-Methyl-2-pentanone [MIBK] Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_P

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

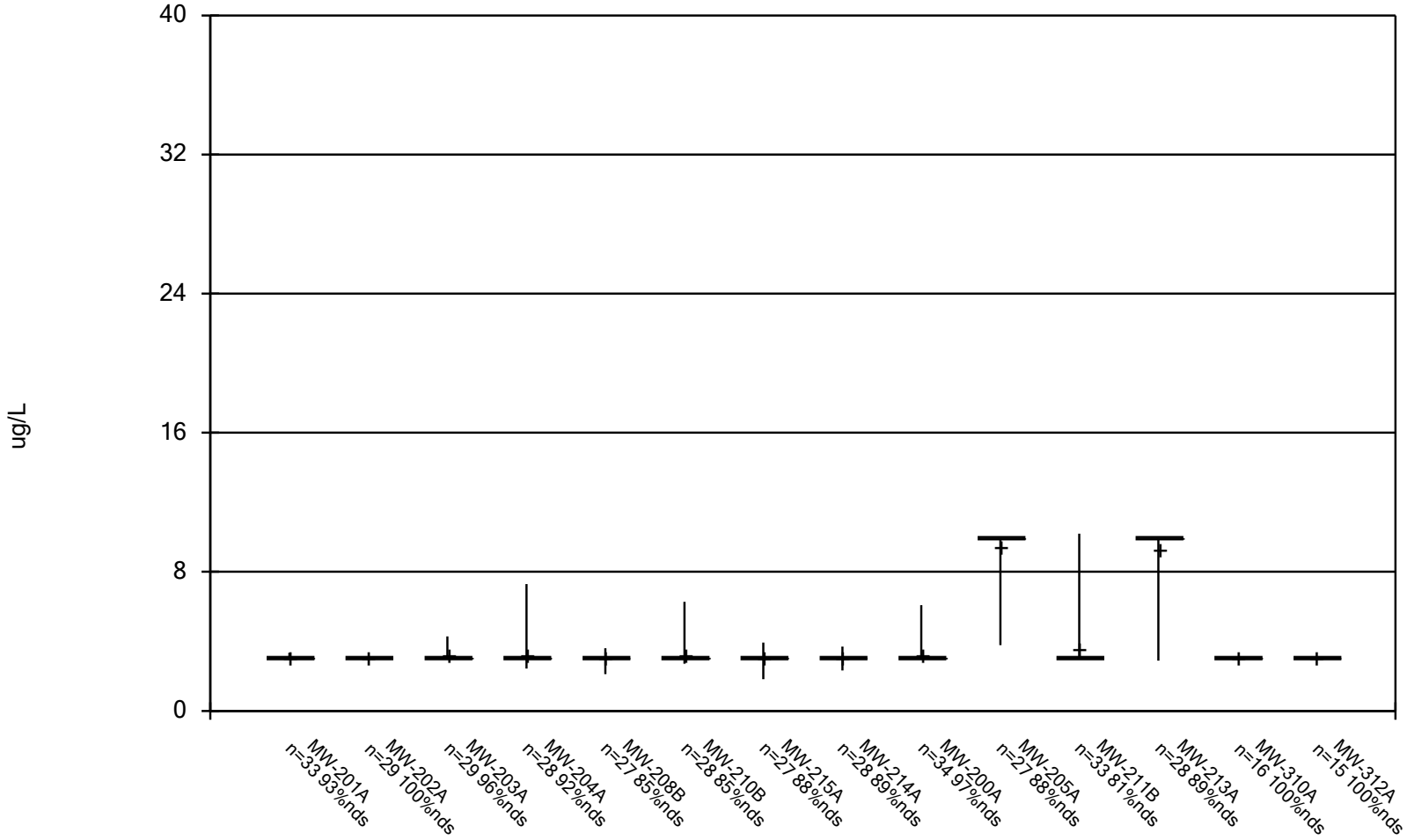


Constituent: Acetone Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

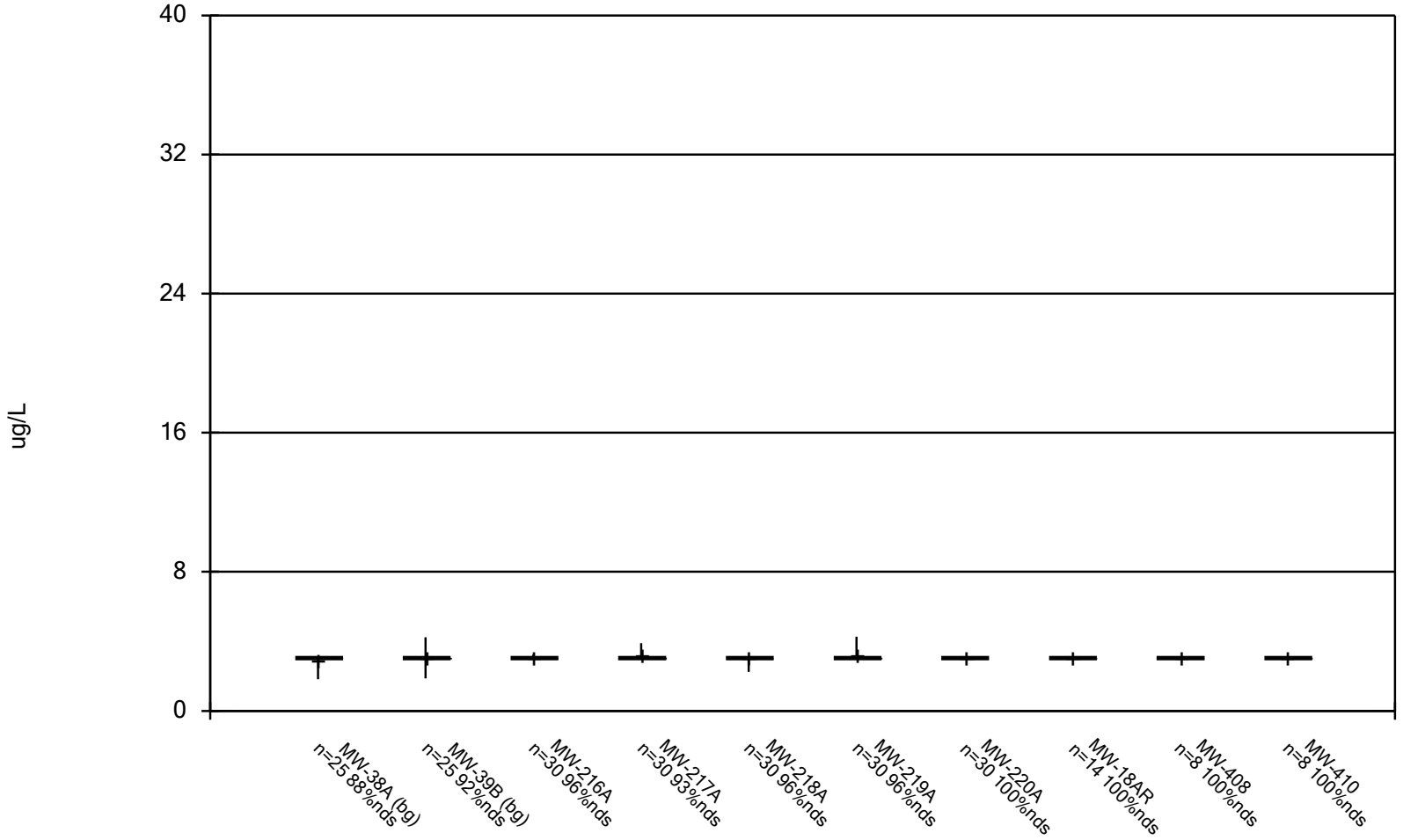


Constituent: Acetone Analysis Run 7/14/2025 12:09 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

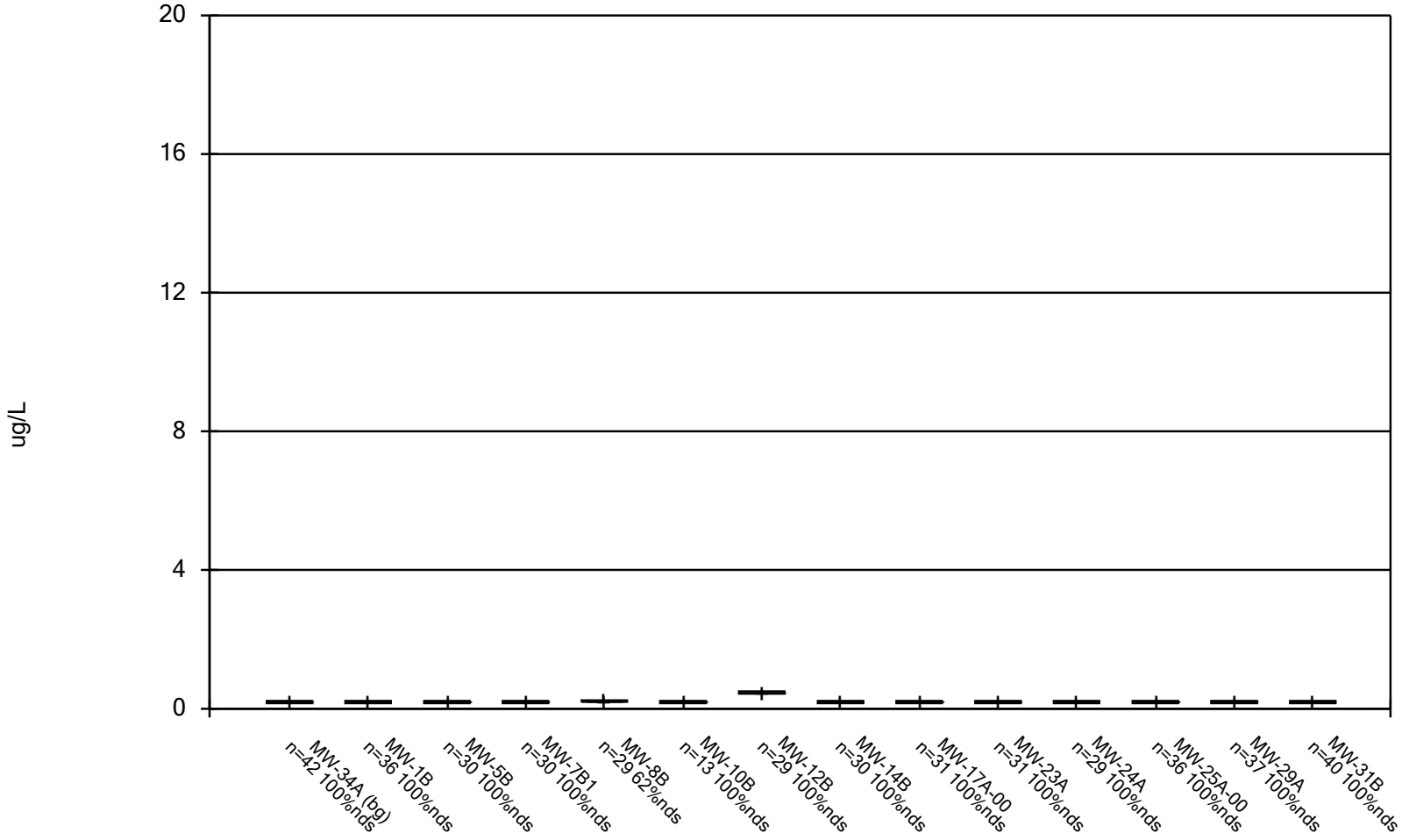


Constituent: Acetone Analysis Run 7/14/2025 12:10 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

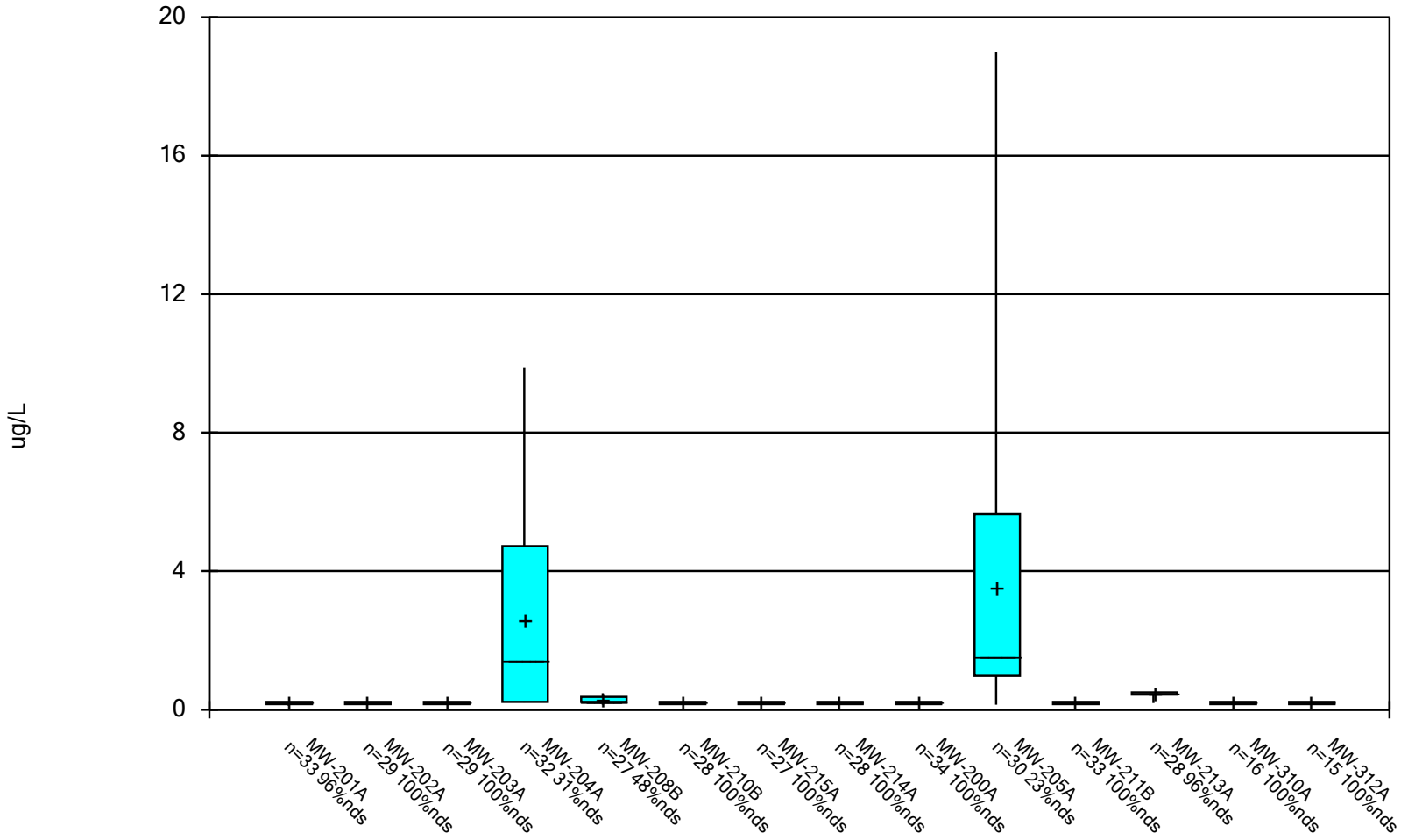


Constituent: Benzene Analysis Run 7/14/2025 12:10 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



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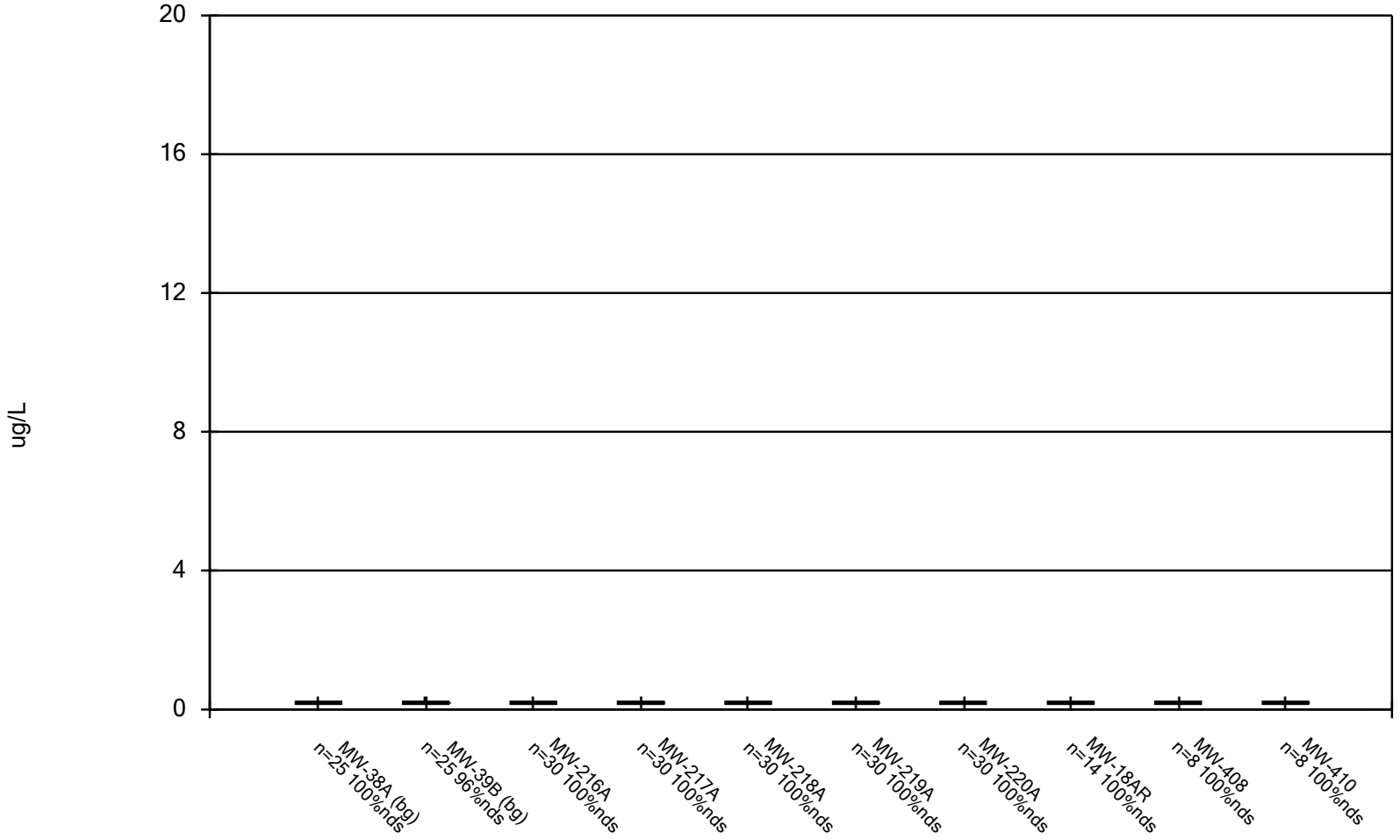
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

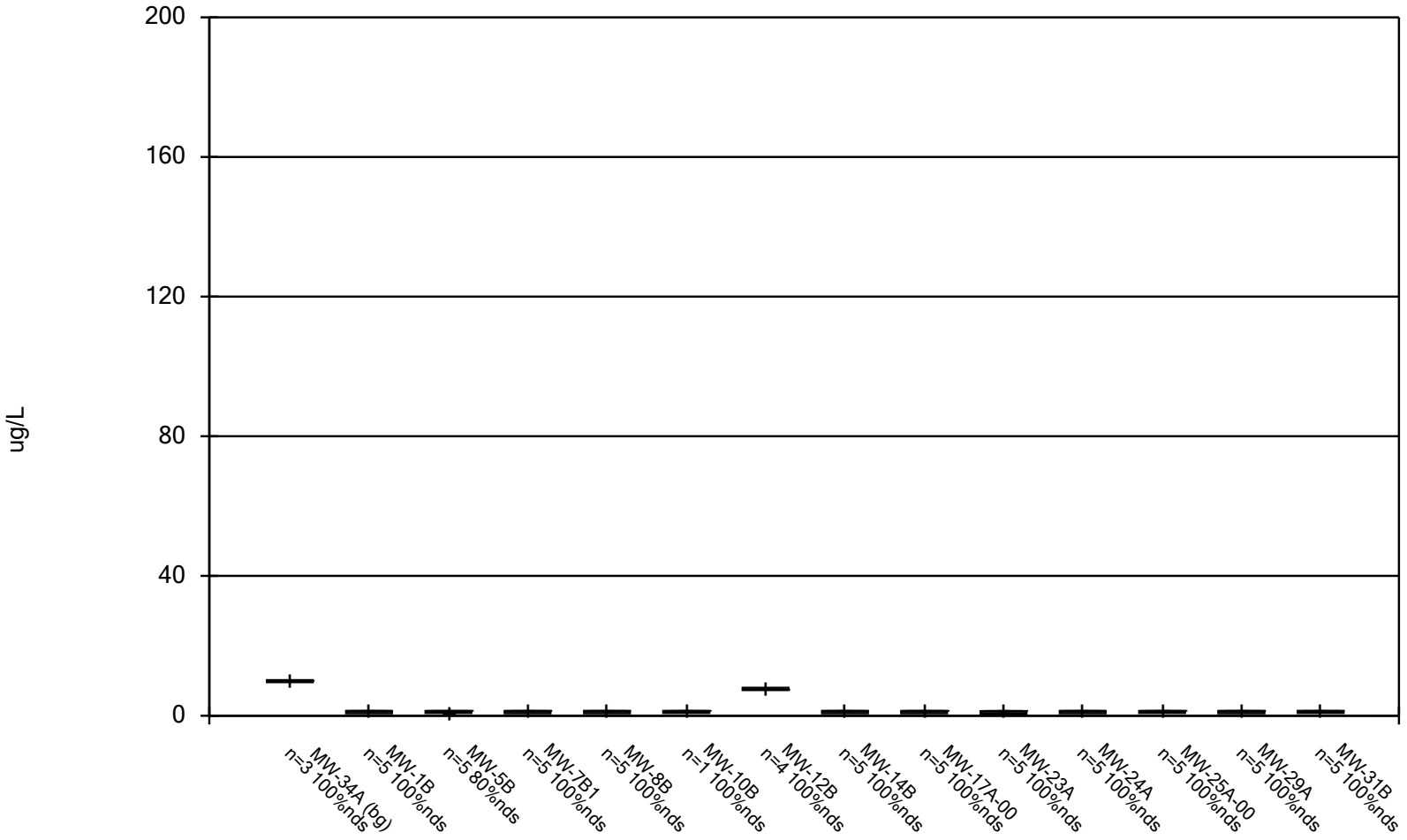


Constituent: Benzene Analysis Run 7/14/2025 12:10 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

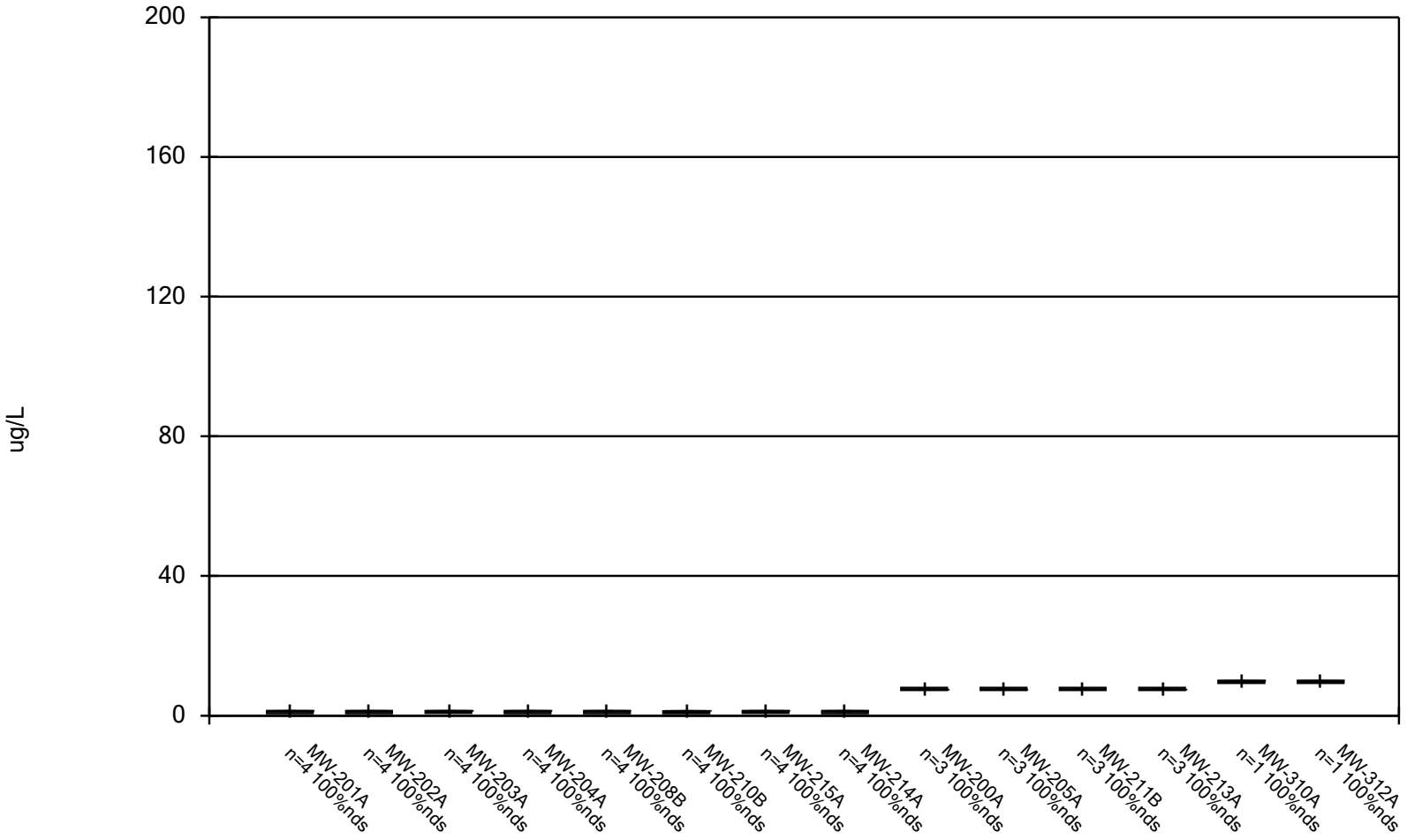


Constituent: Benzyl alcohol Analysis Run 7/14/2025 12:10 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

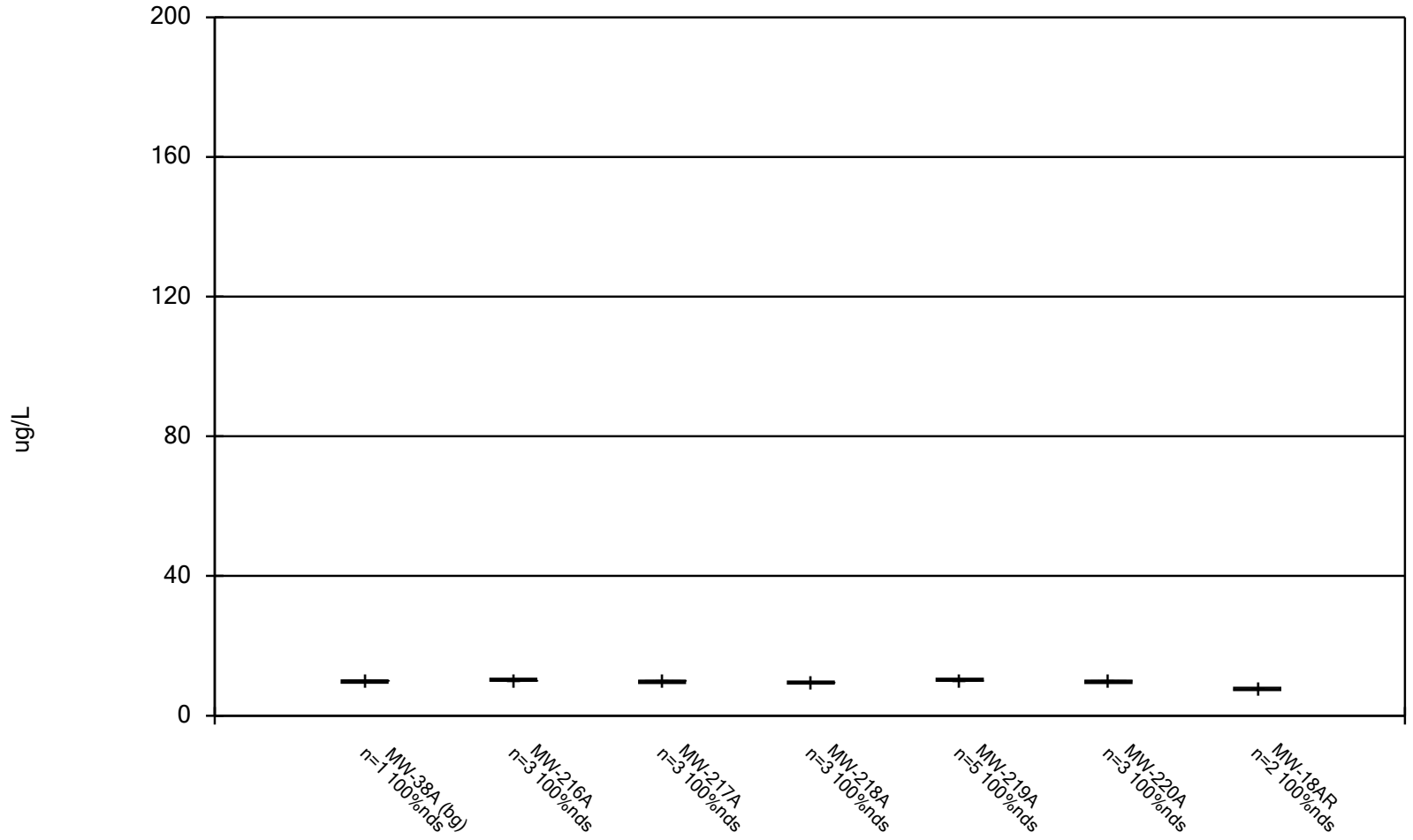


Constituent: Benzyl alcohol Analysis Run 7/14/2025 12:10 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: Benzyl alcohol Analysis Run 7/14/2025 12:10 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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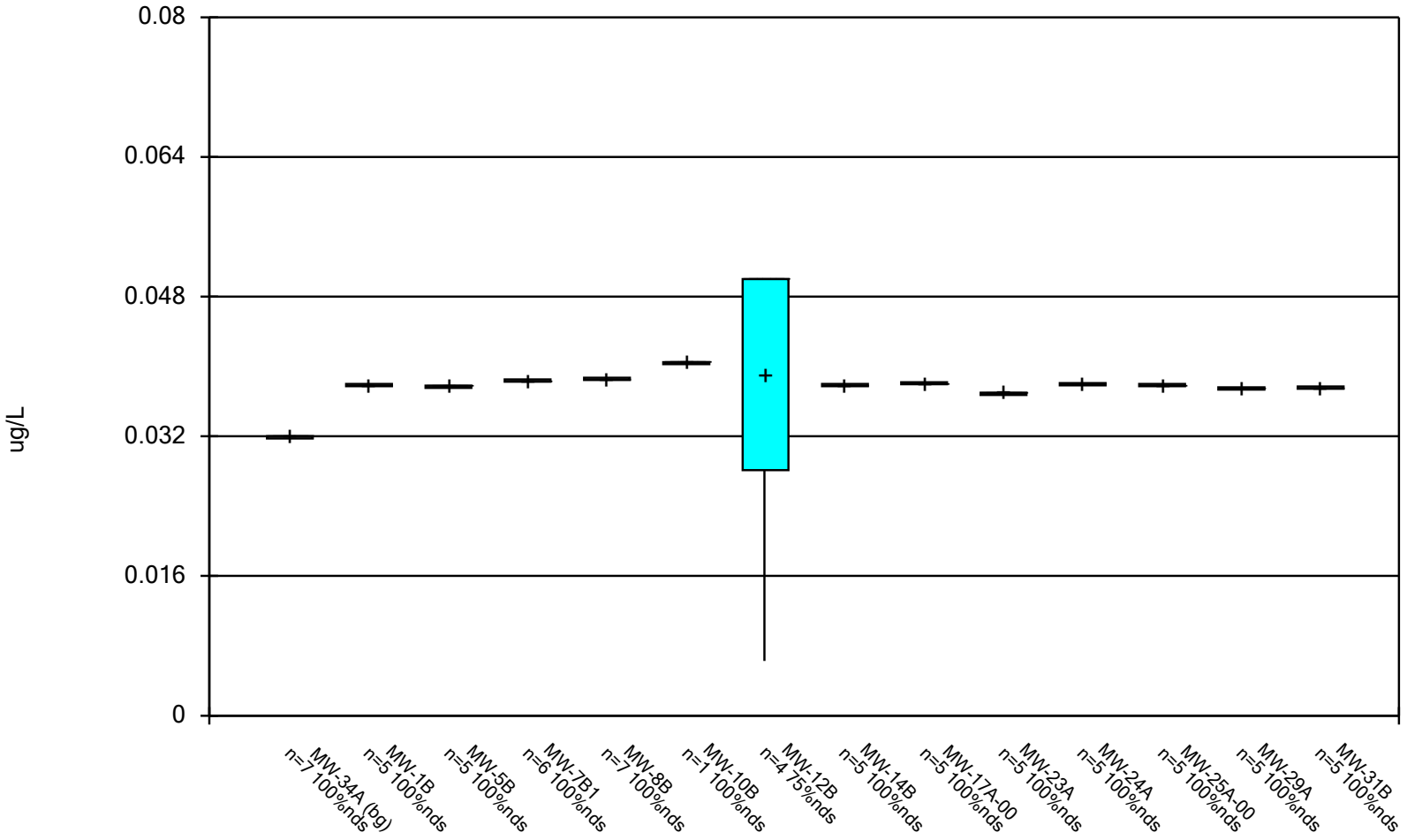
Box & Whiskers Plot



Constituent: Beta-BHC Analysis Run 7/14/2025 12:10 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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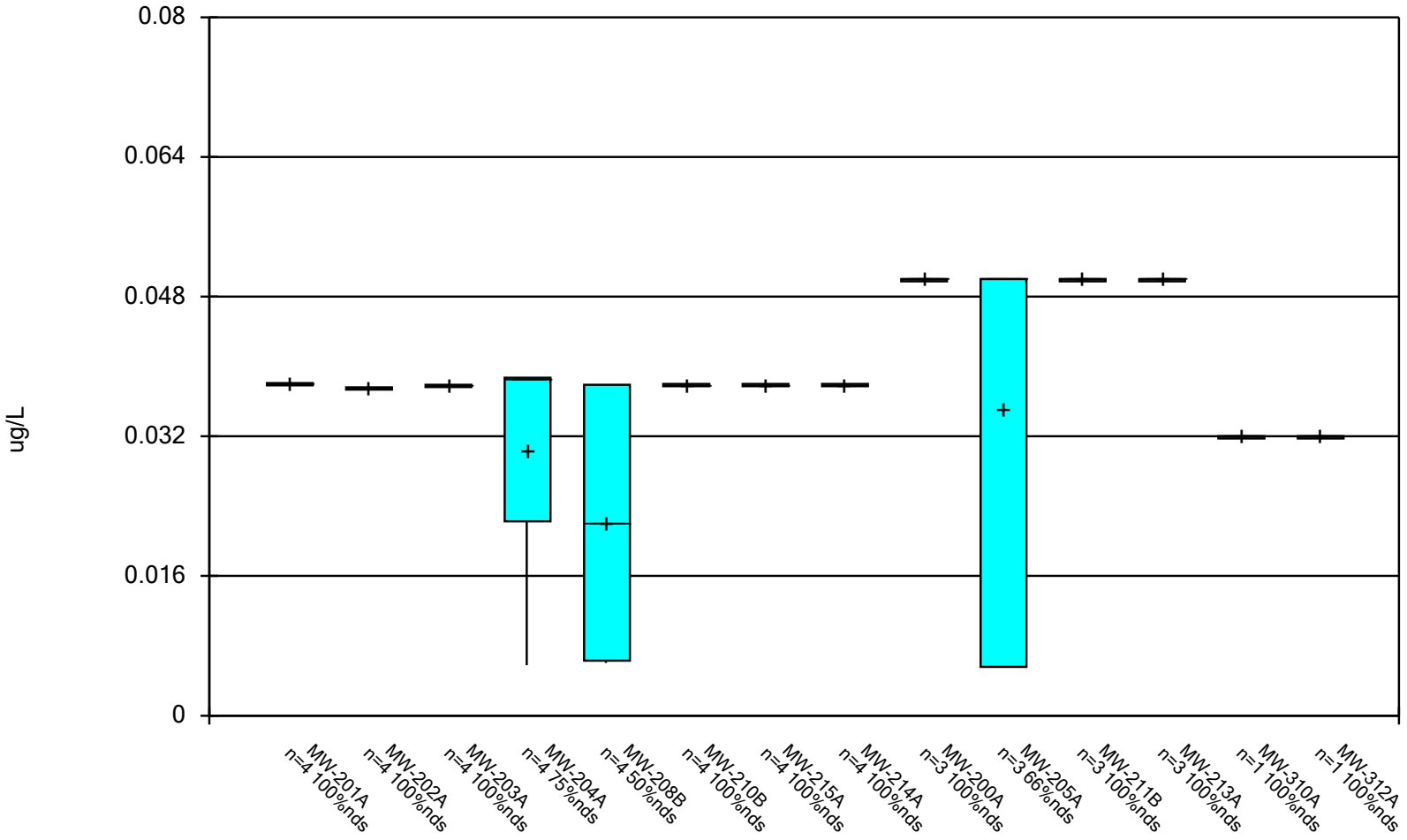
Box & Whiskers Plot



Constituent: Beta-BHC Analysis Run 7/14/2025 12:10 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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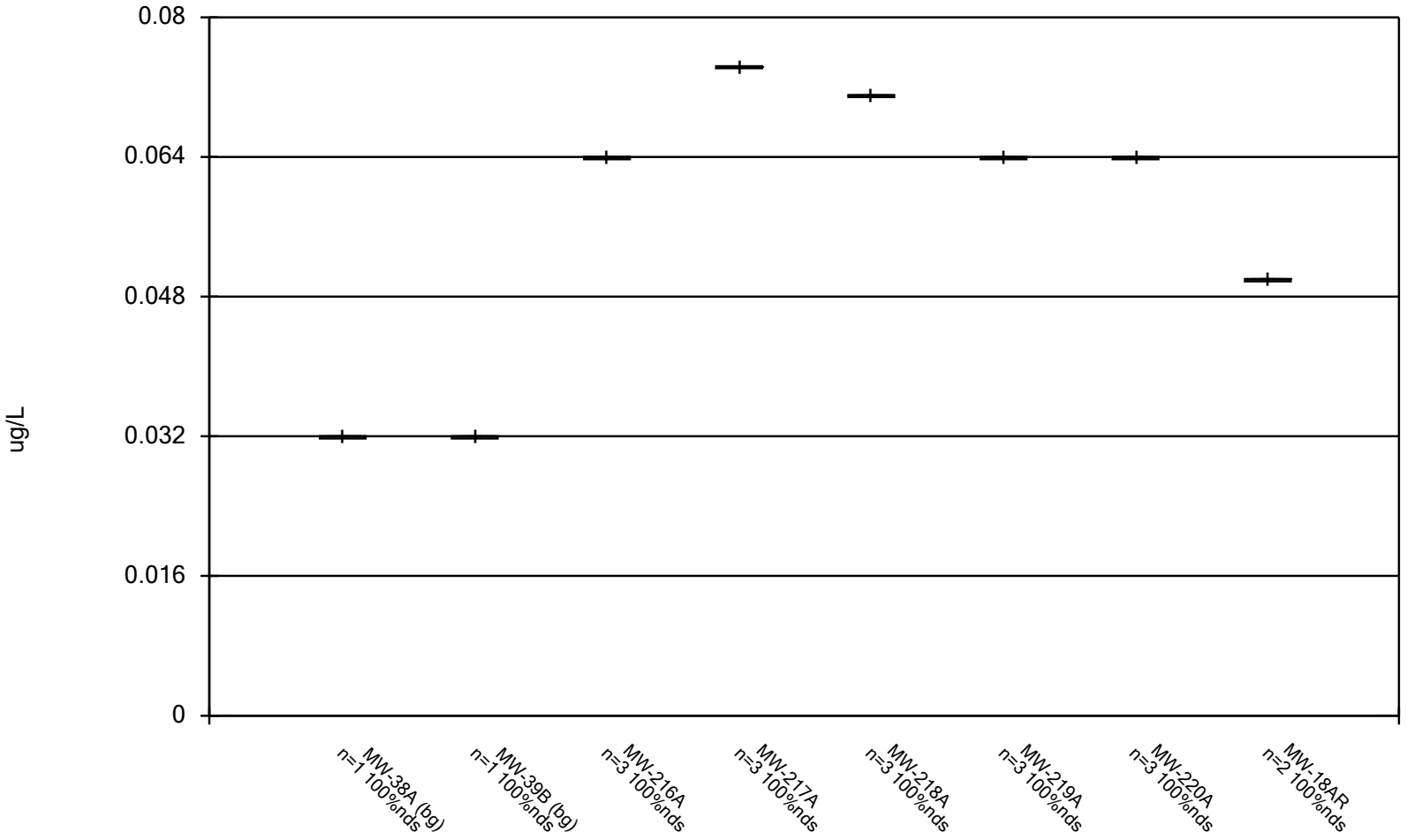
Box & Whiskers Plot



Constituent: Beta-BHC Analysis Run 7/14/2025 12:10 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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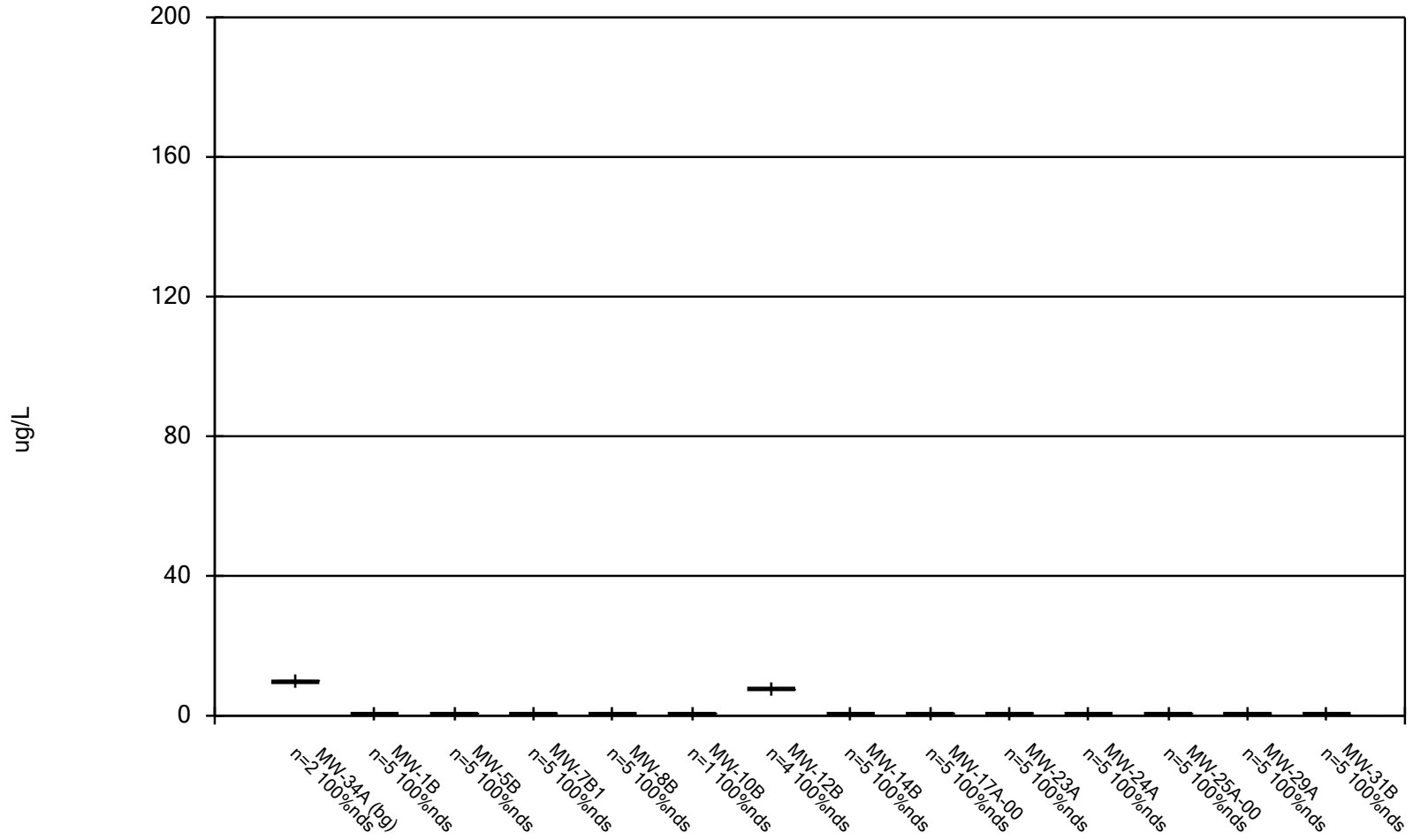
Box & Whiskers Plot

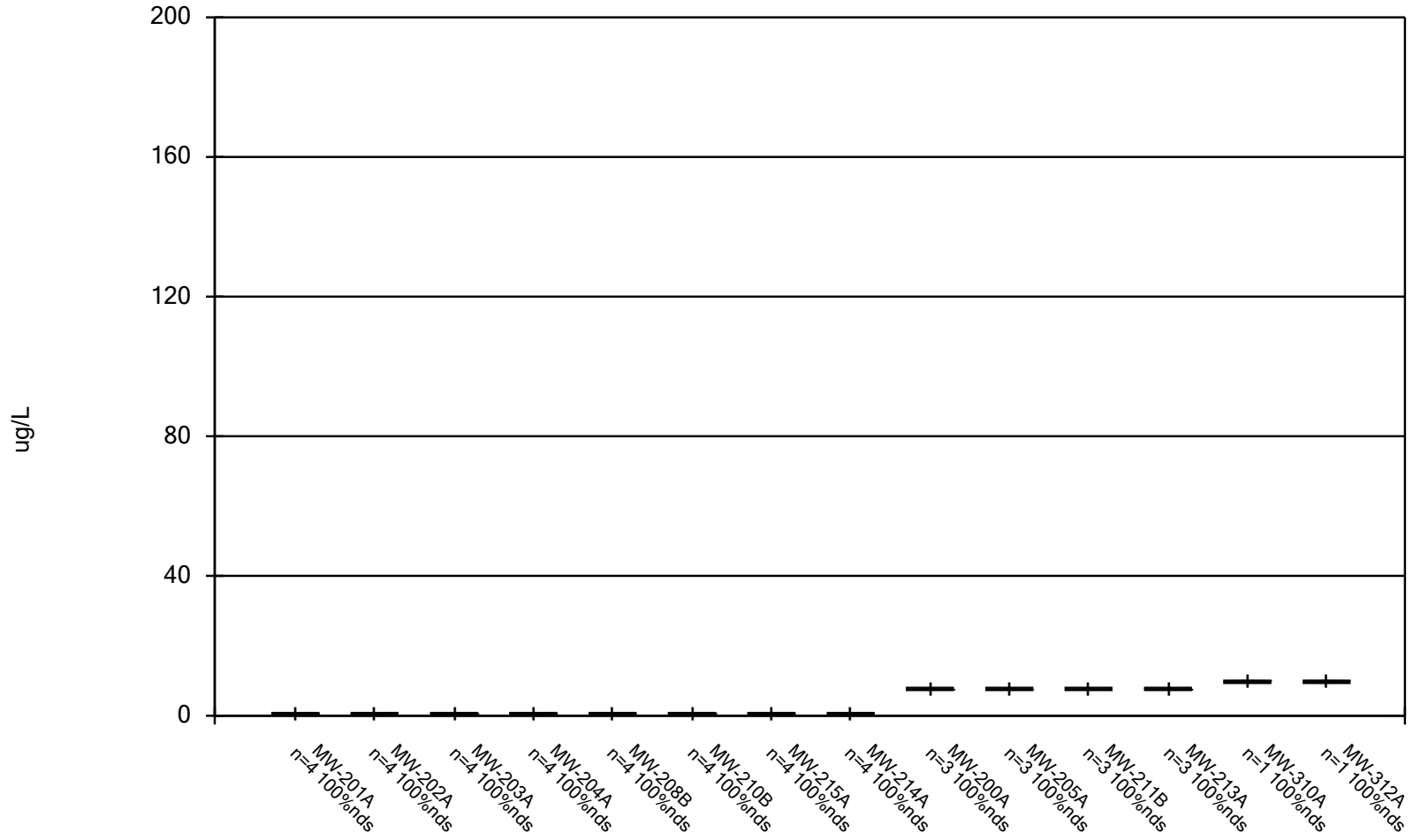


Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/14/2025 12:10 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

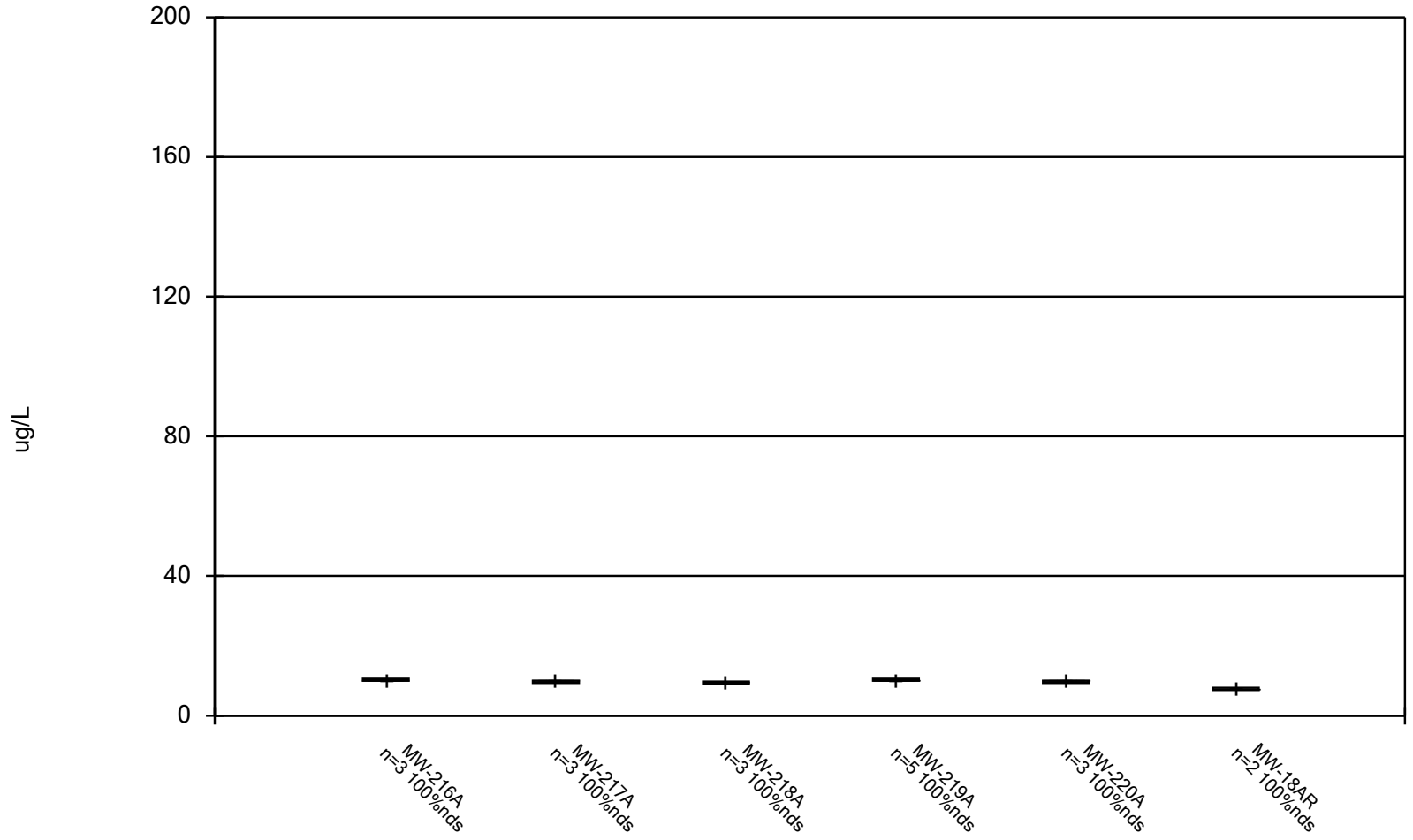


Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/14/2025 12:10 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

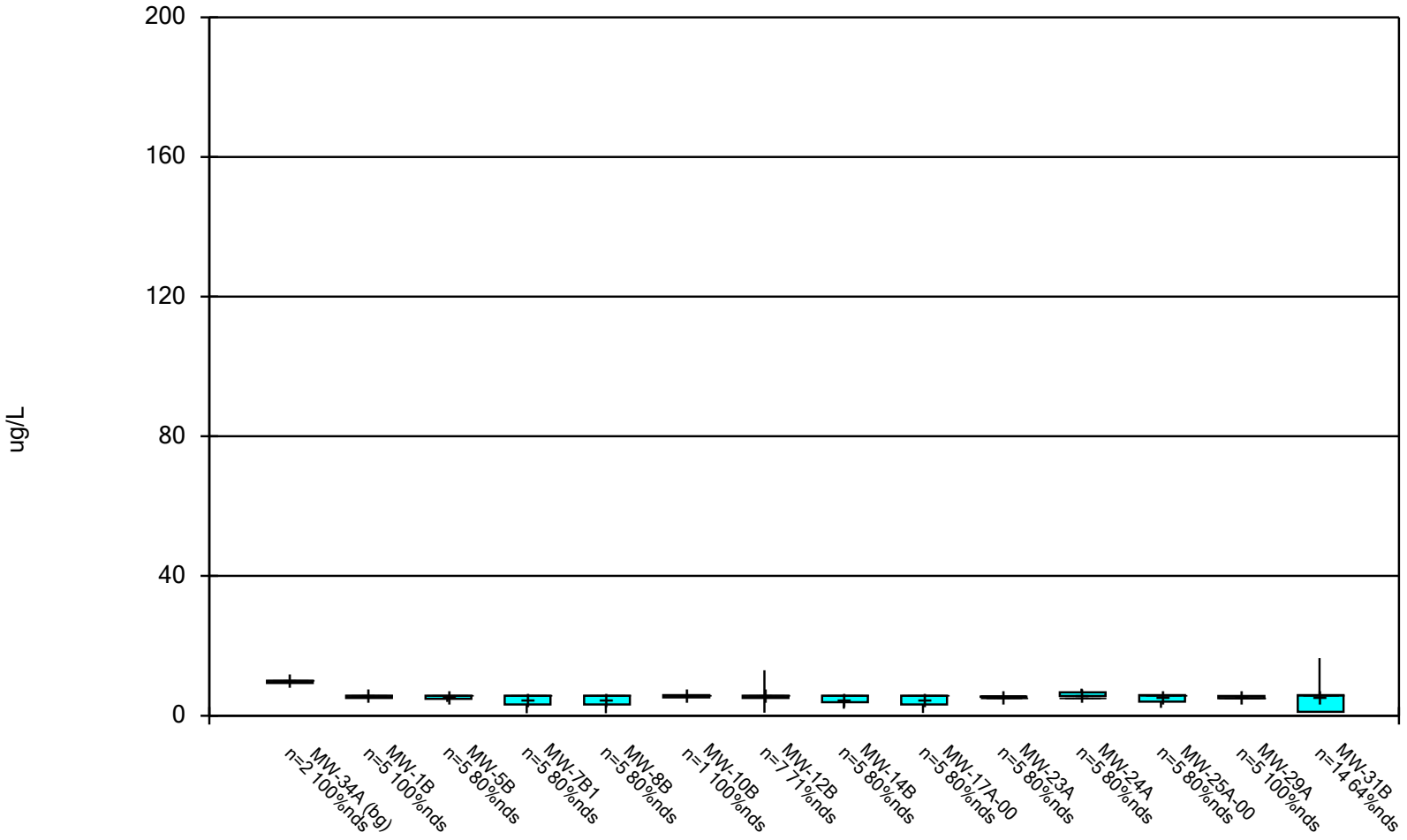


Constituent: Bis[2-chloroethoxy]methane Analysis Run 7/14/2025 12:10 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

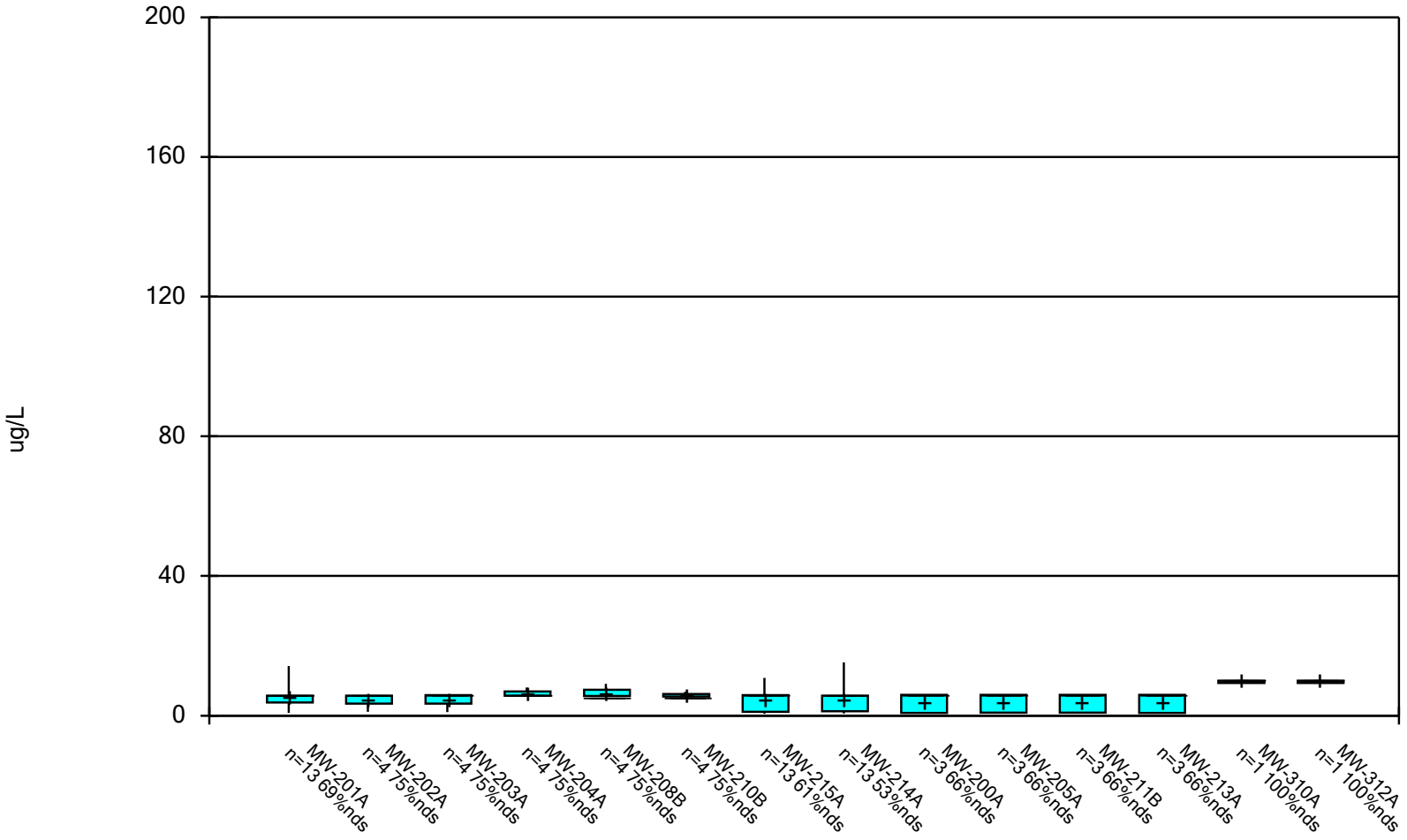


Constituent: Bis[2-ethylhexyl]phthalate Analysis Run 7/14/2025 12:10 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

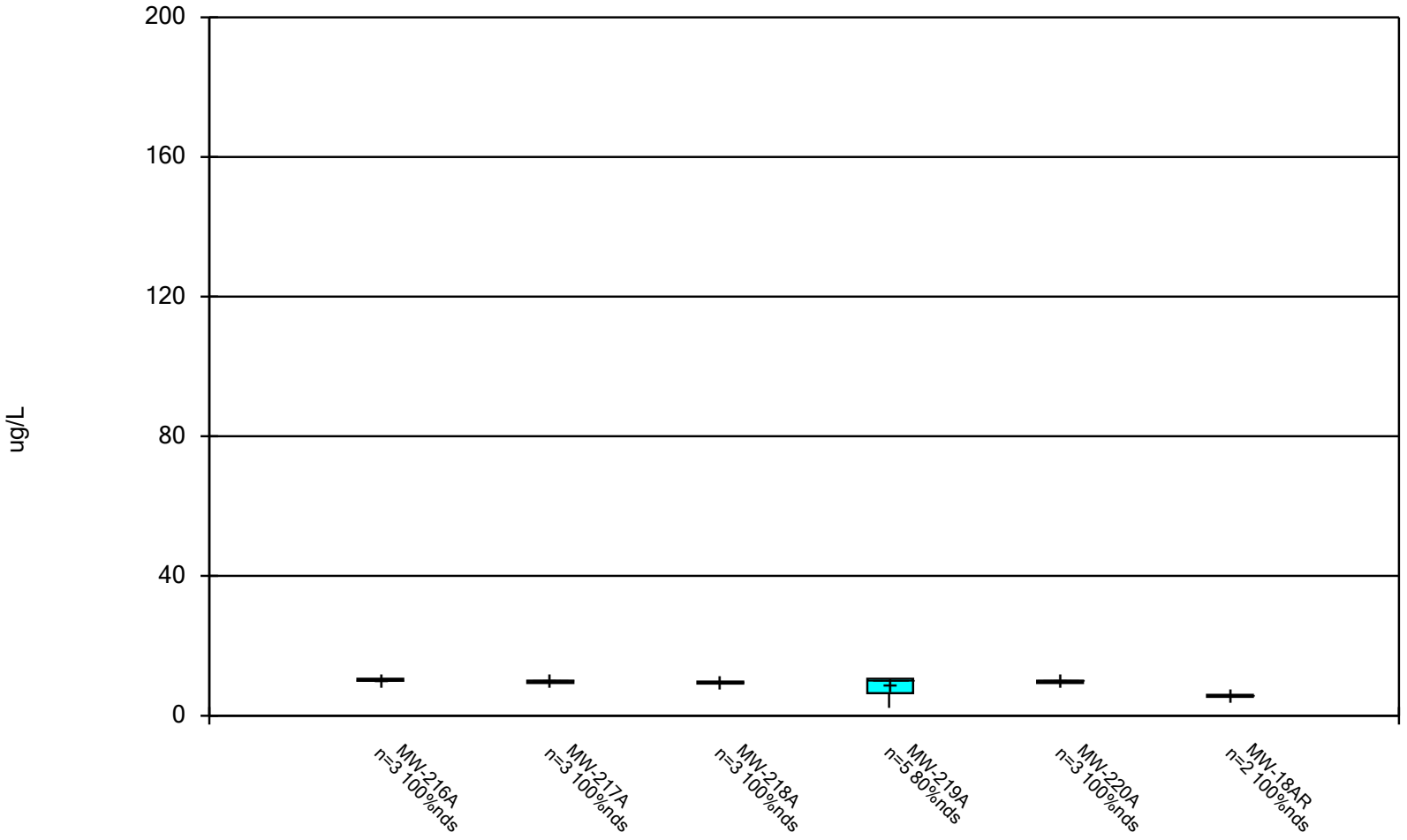


Constituent: Bis[2-ethylhexyl]phthalate Analysis Run 7/14/2025 12:10 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: Bis[2-ethylhexyl]phthalate Analysis Run 7/14/2025 12:11 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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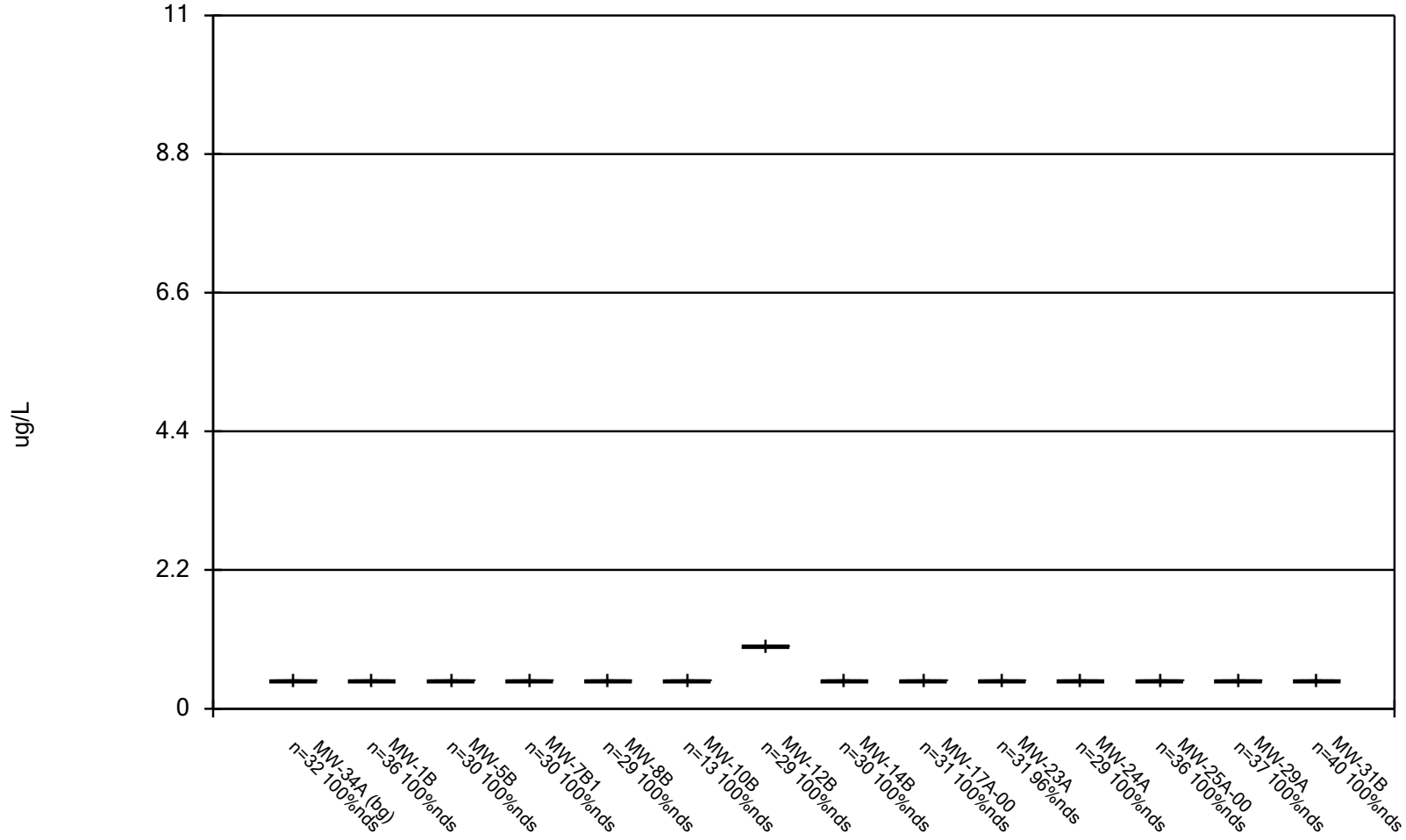
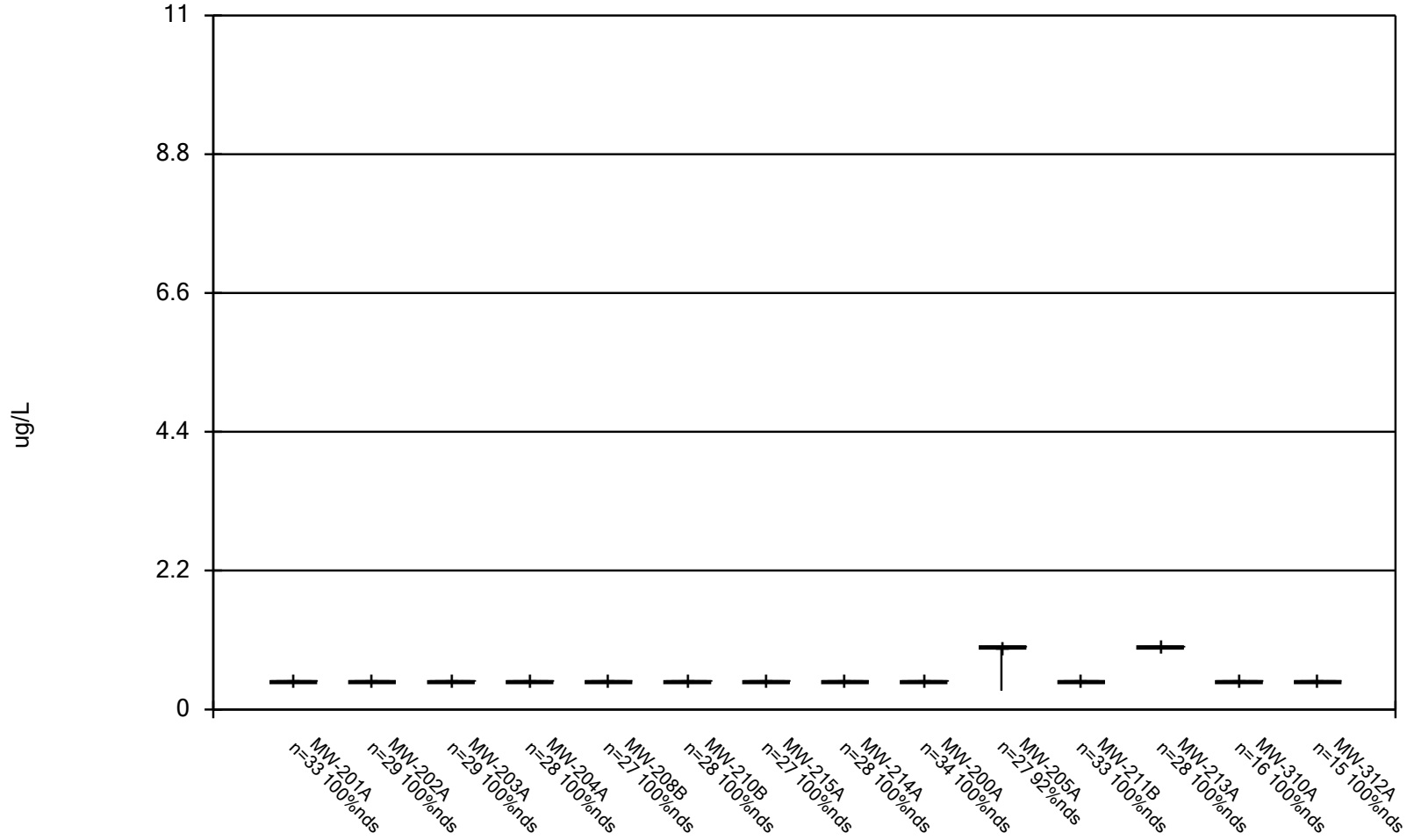
Box & Whiskers Plot



Constituent: Carbon Disulfide Analysis Run 7/14/2025 12:11 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Box & Whiskers Plot



Constituent: Carbon Disulfide Analysis Run 7/14/2025 12:11 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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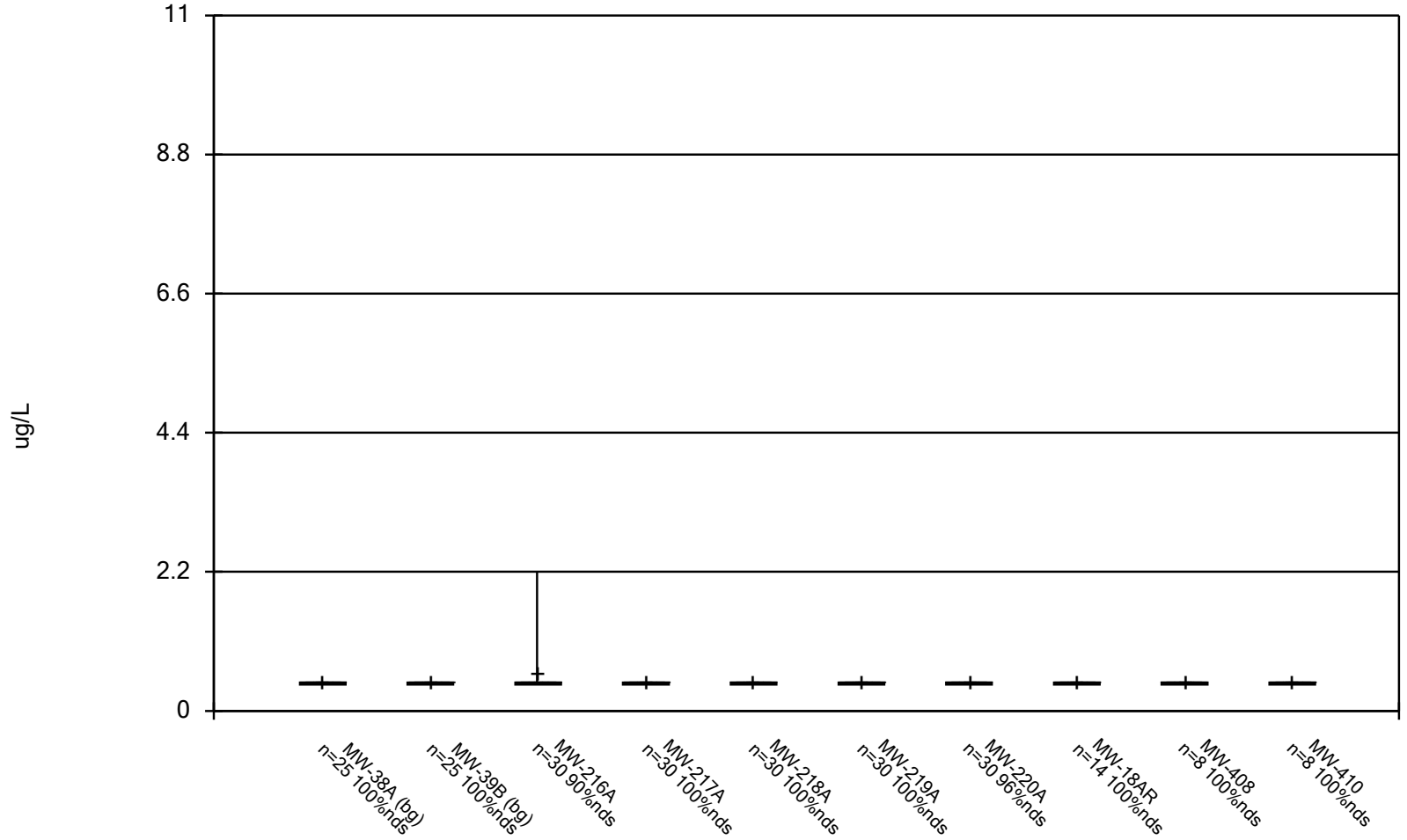
Box & Whiskers Plot

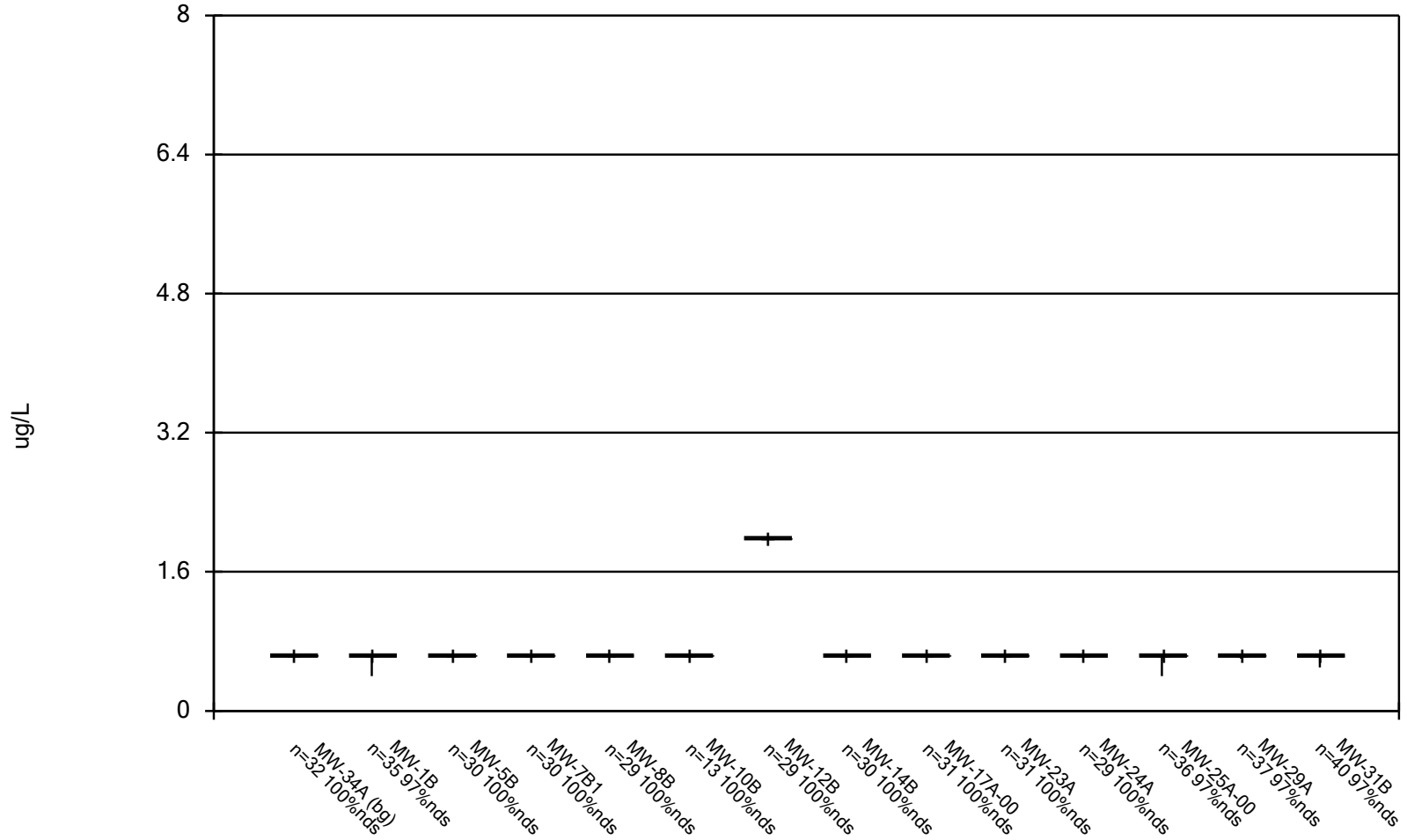


Constituent: Carbon Disulfide Analysis Run 7/14/2025 12:11 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

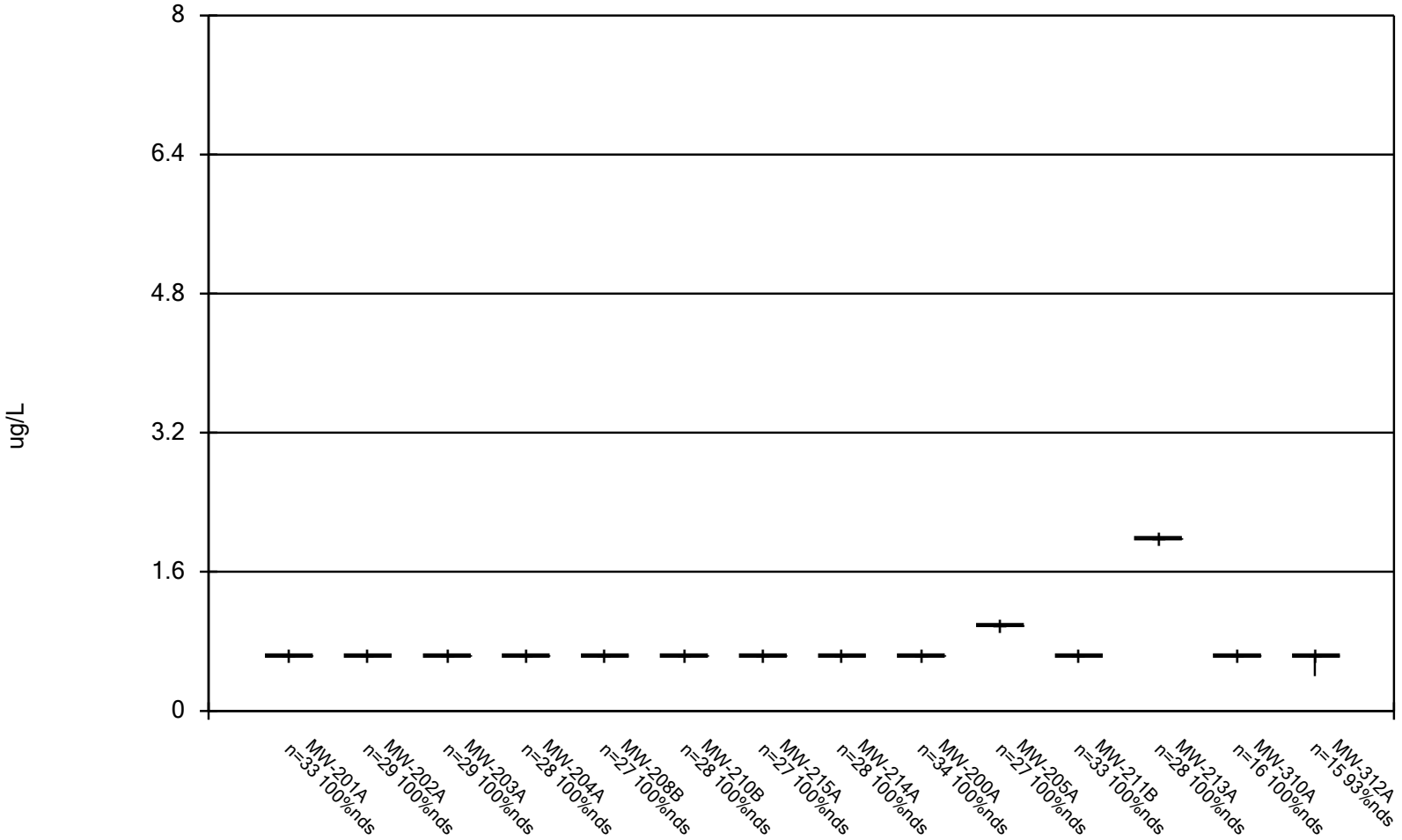


Constituent: Carbon Tetrachloride Analysis Run 7/14/2025 12:11 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

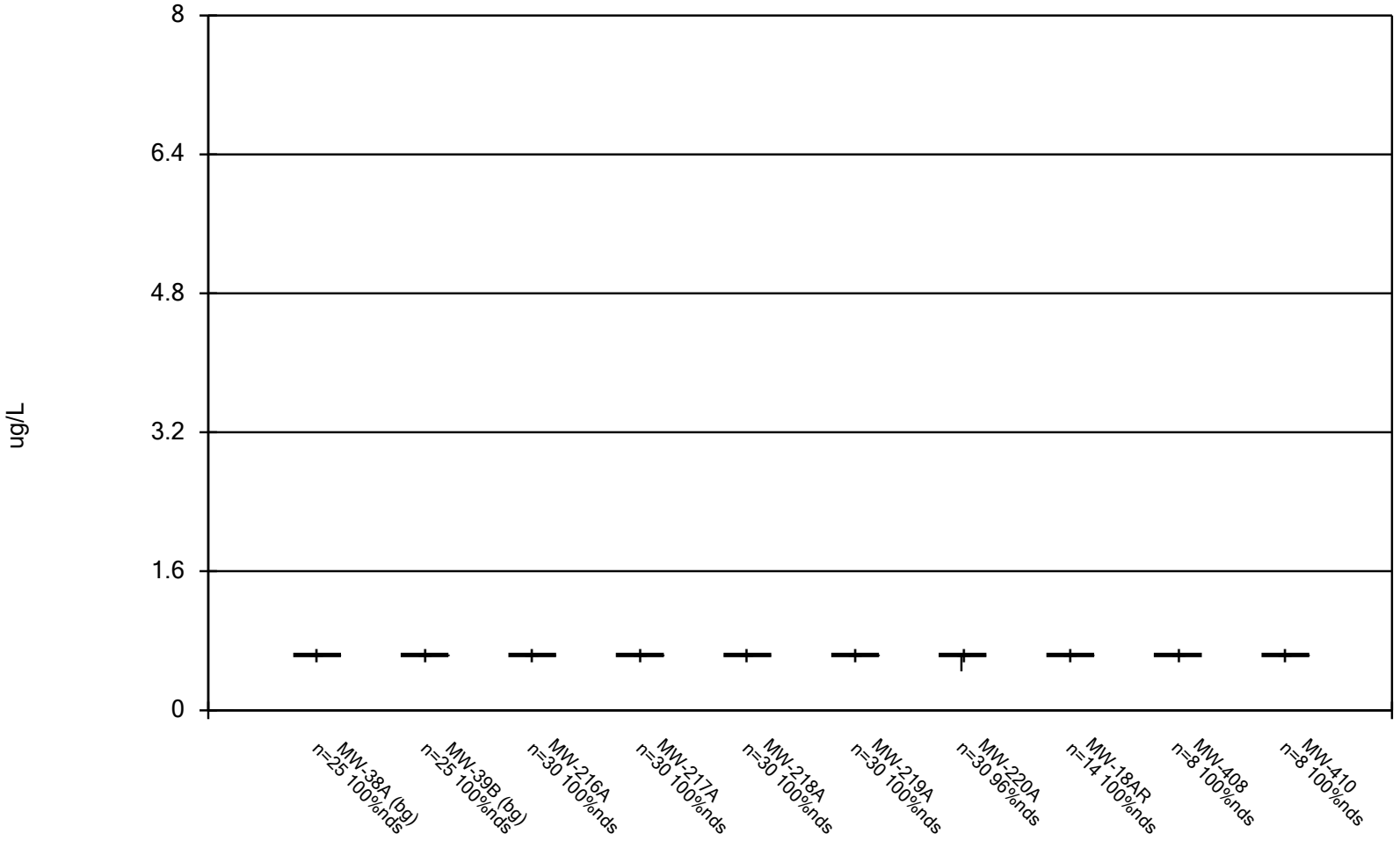


Constituent: Carbon Tetrachloride Analysis Run 7/14/2025 12:11 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

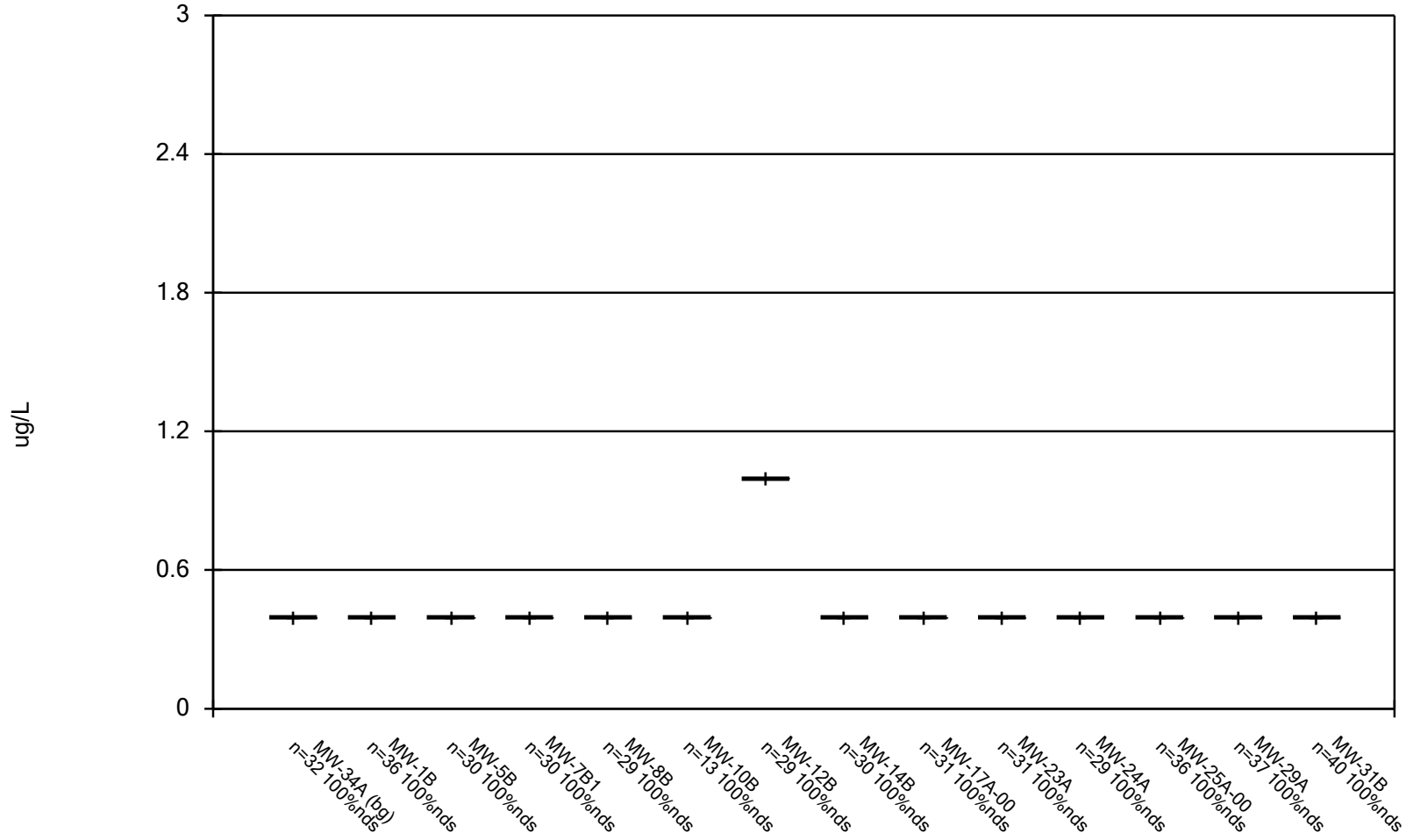


Constituent: Carbon Tetrachloride Analysis Run 7/14/2025 12:11 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

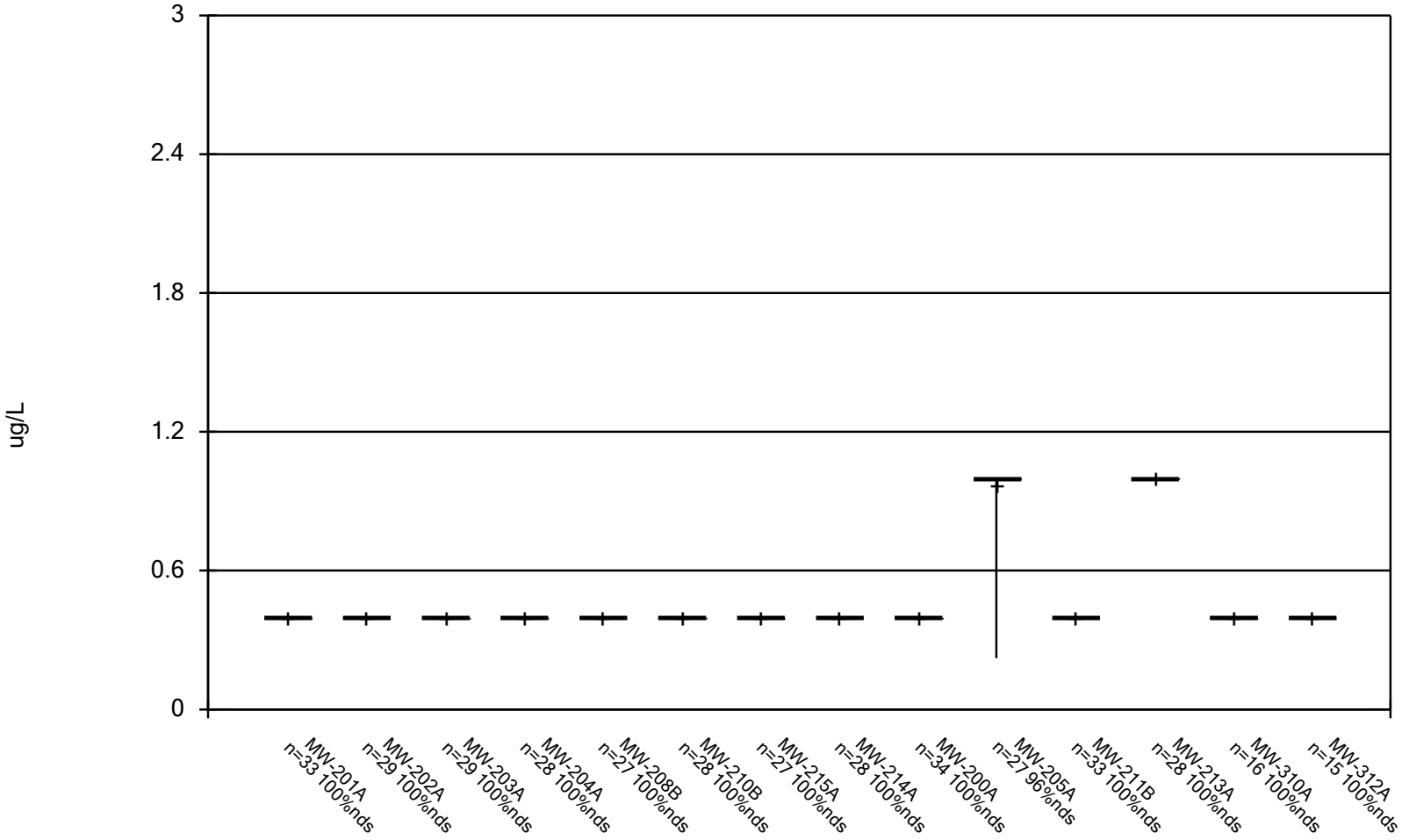


Constituent: Chlorobenzene Analysis Run 7/14/2025 12:11 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

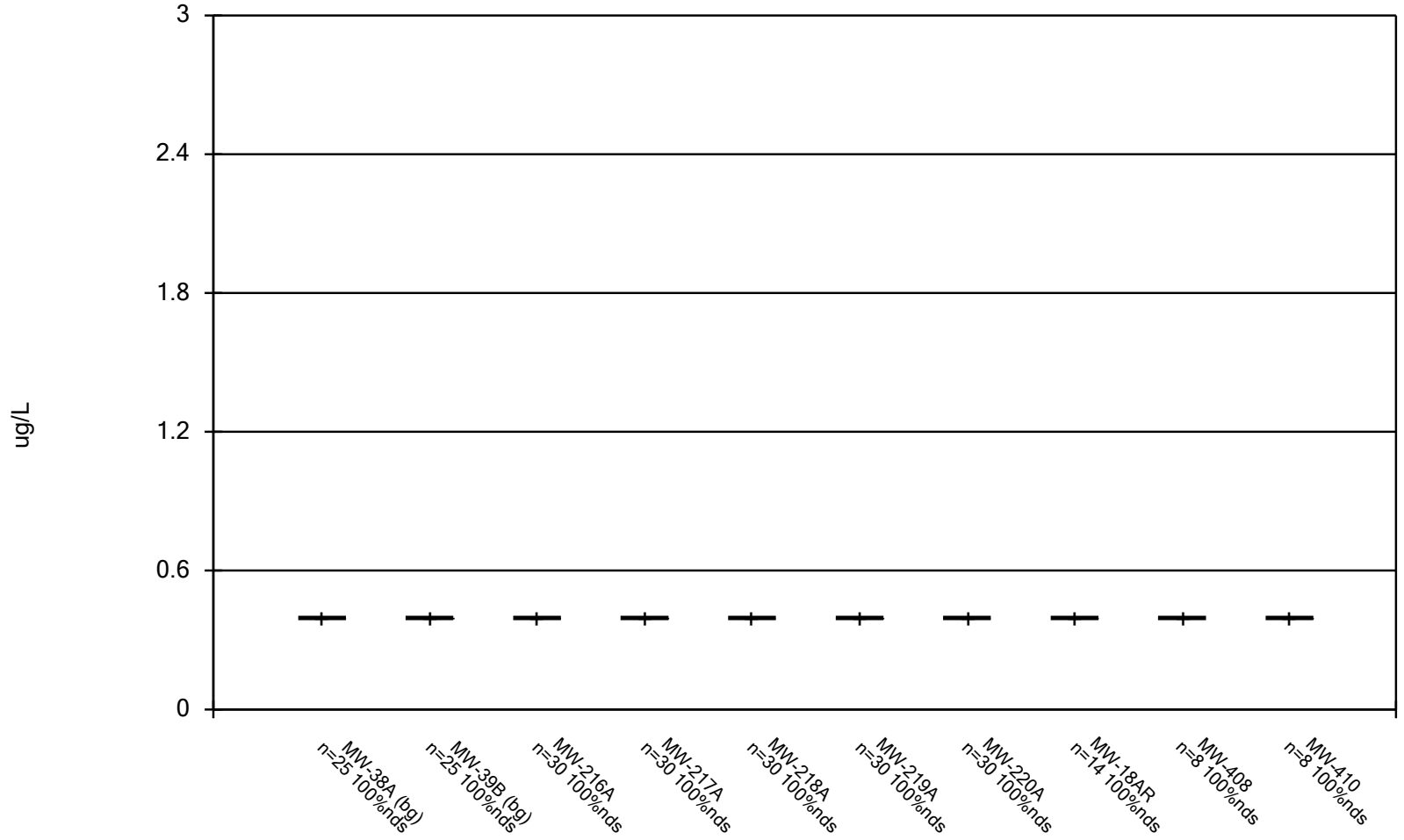


Constituent: Chlorobenzene Analysis Run 7/14/2025 12:11 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

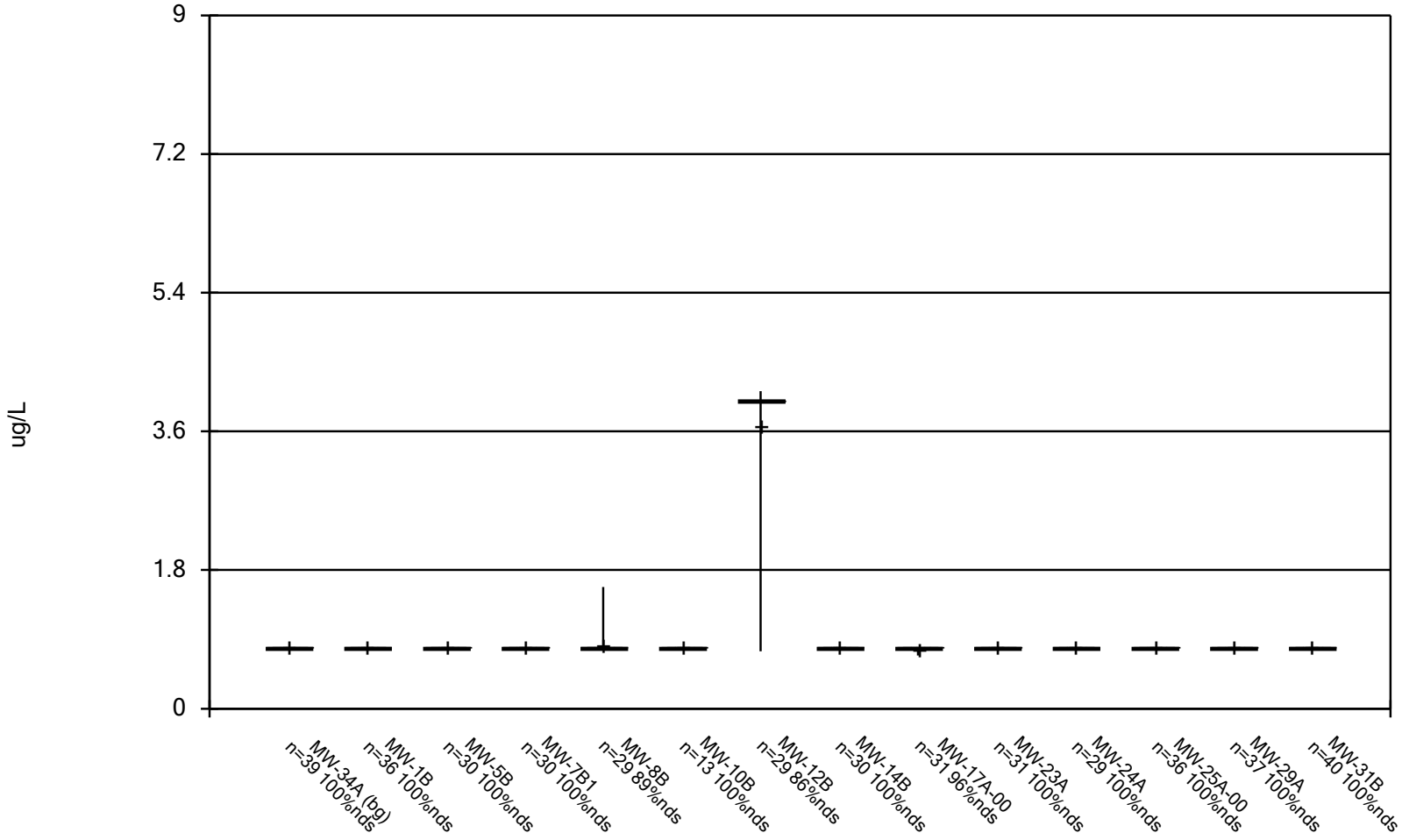


Constituent: Chlorobenzene Analysis Run 7/14/2025 12:11 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

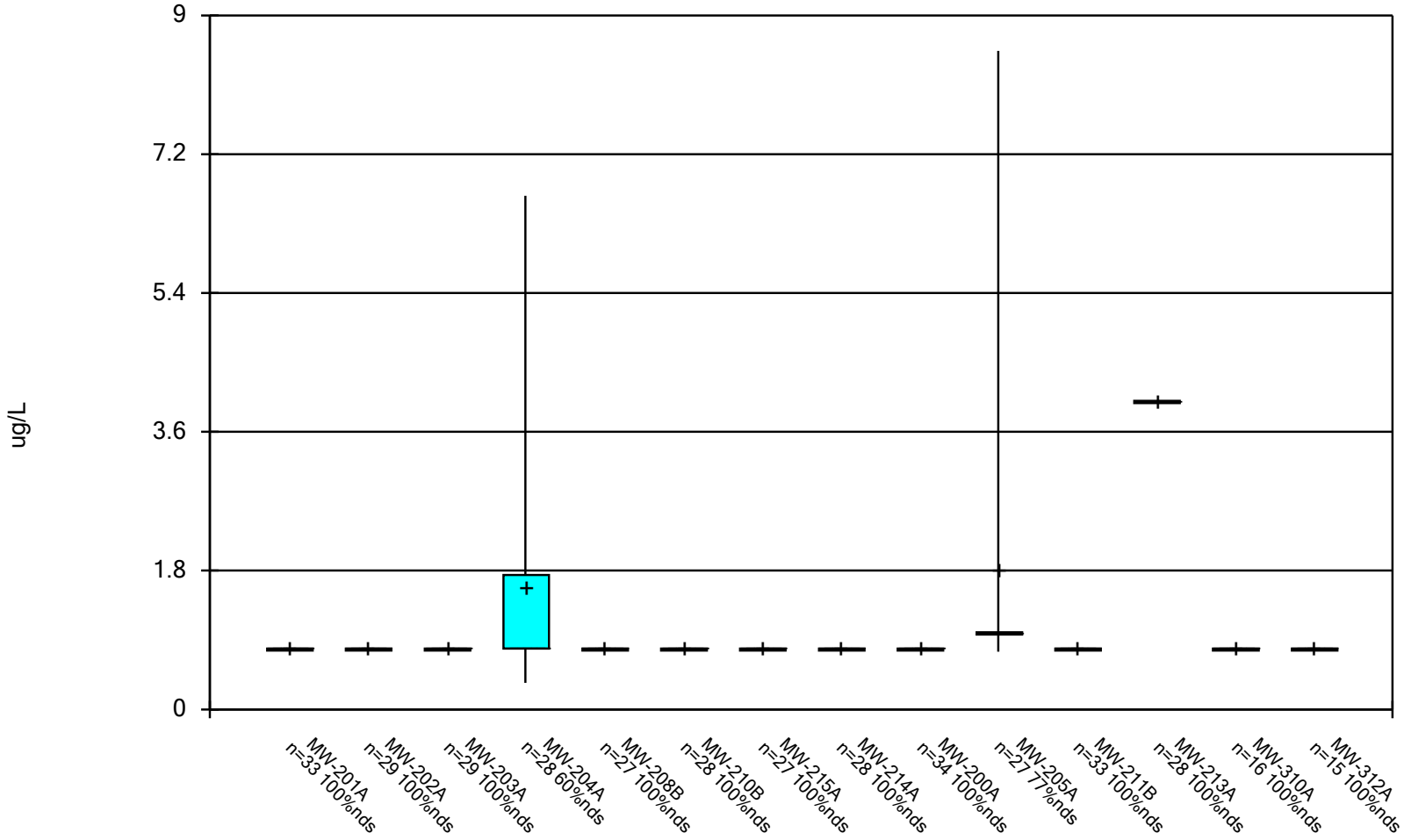


Constituent: Chloroethane Analysis Run 7/14/2025 12:11 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

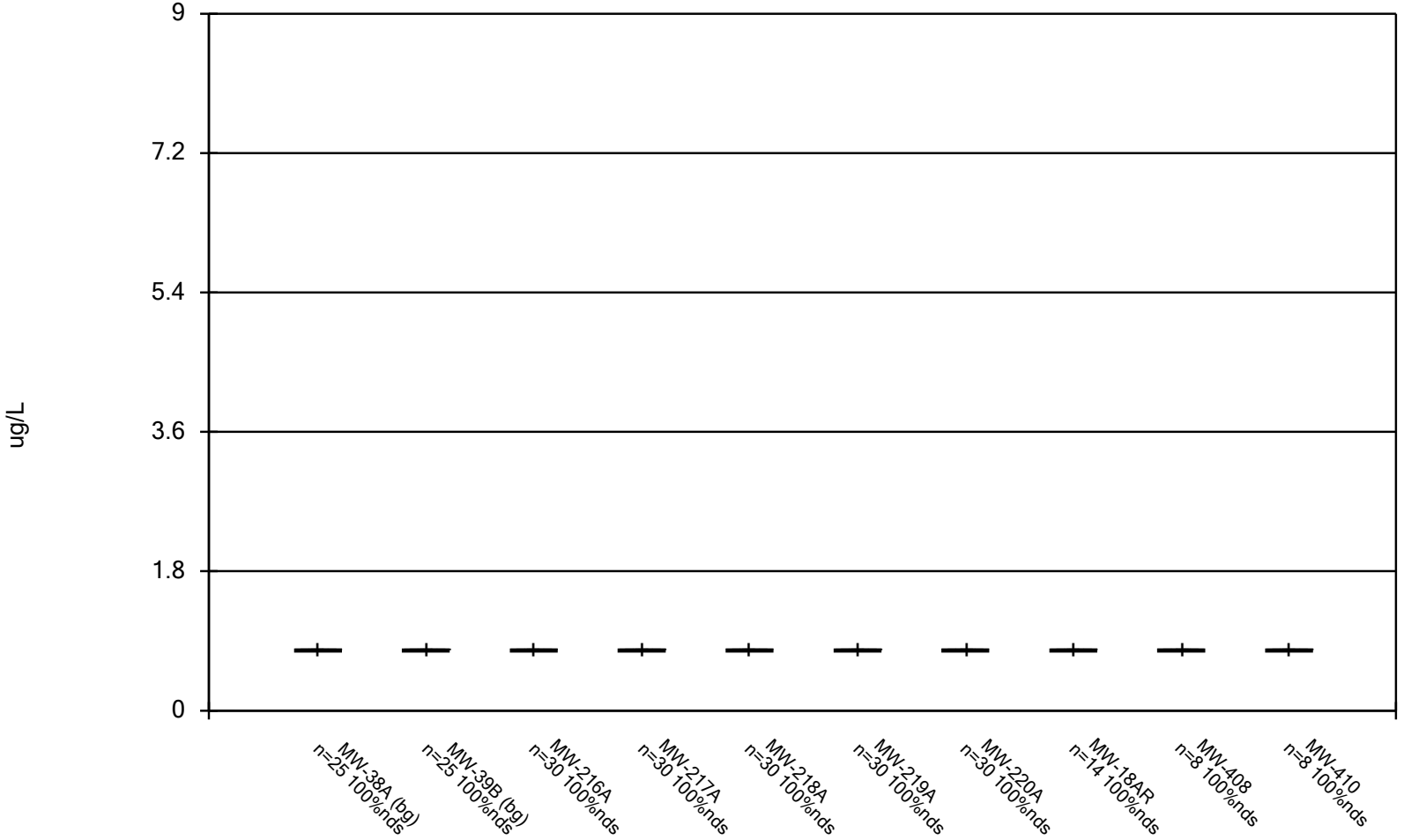


Constituent: Chloroethane Analysis Run 7/14/2025 12:11 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

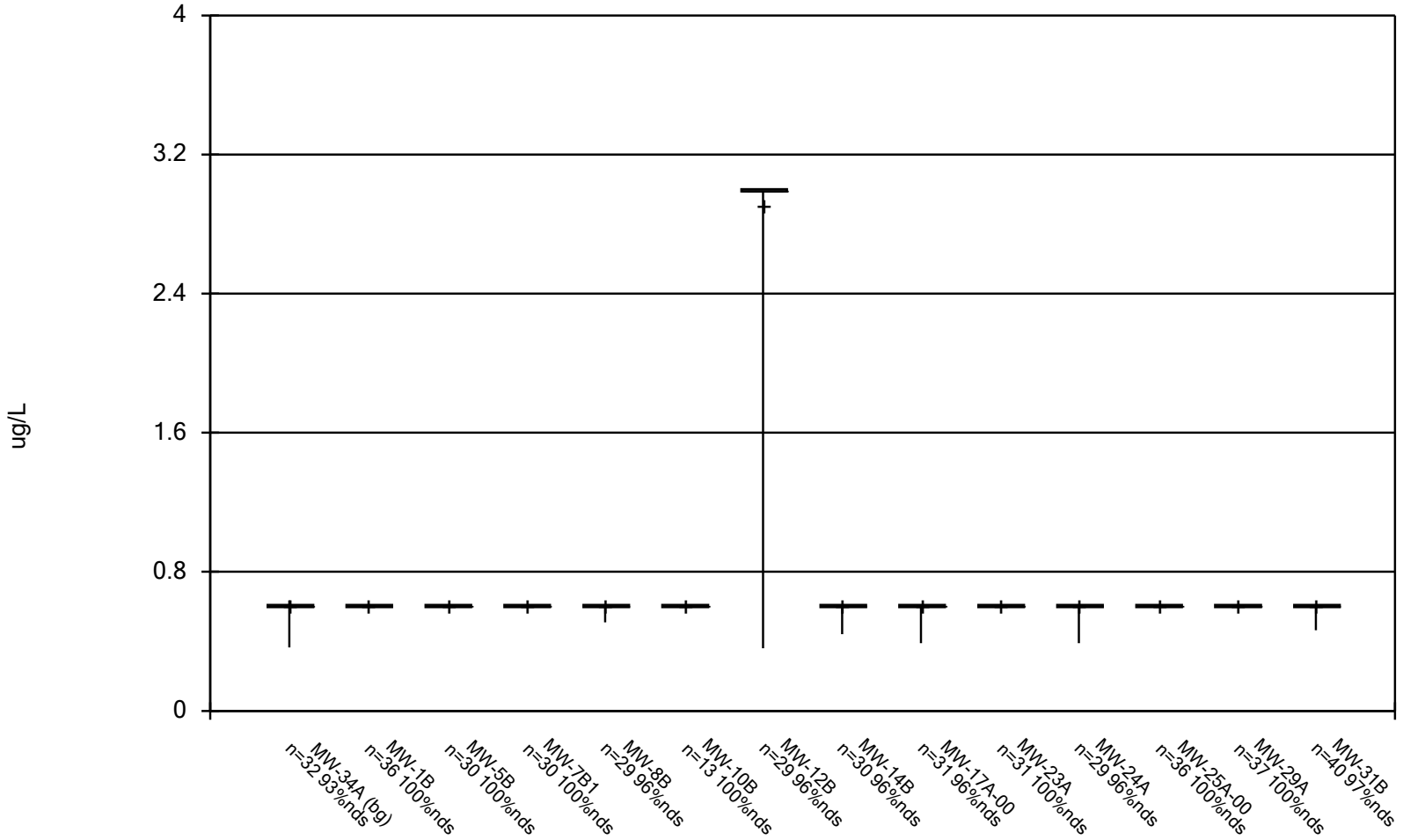


Constituent: Chloroethane Analysis Run 7/14/2025 12:11 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

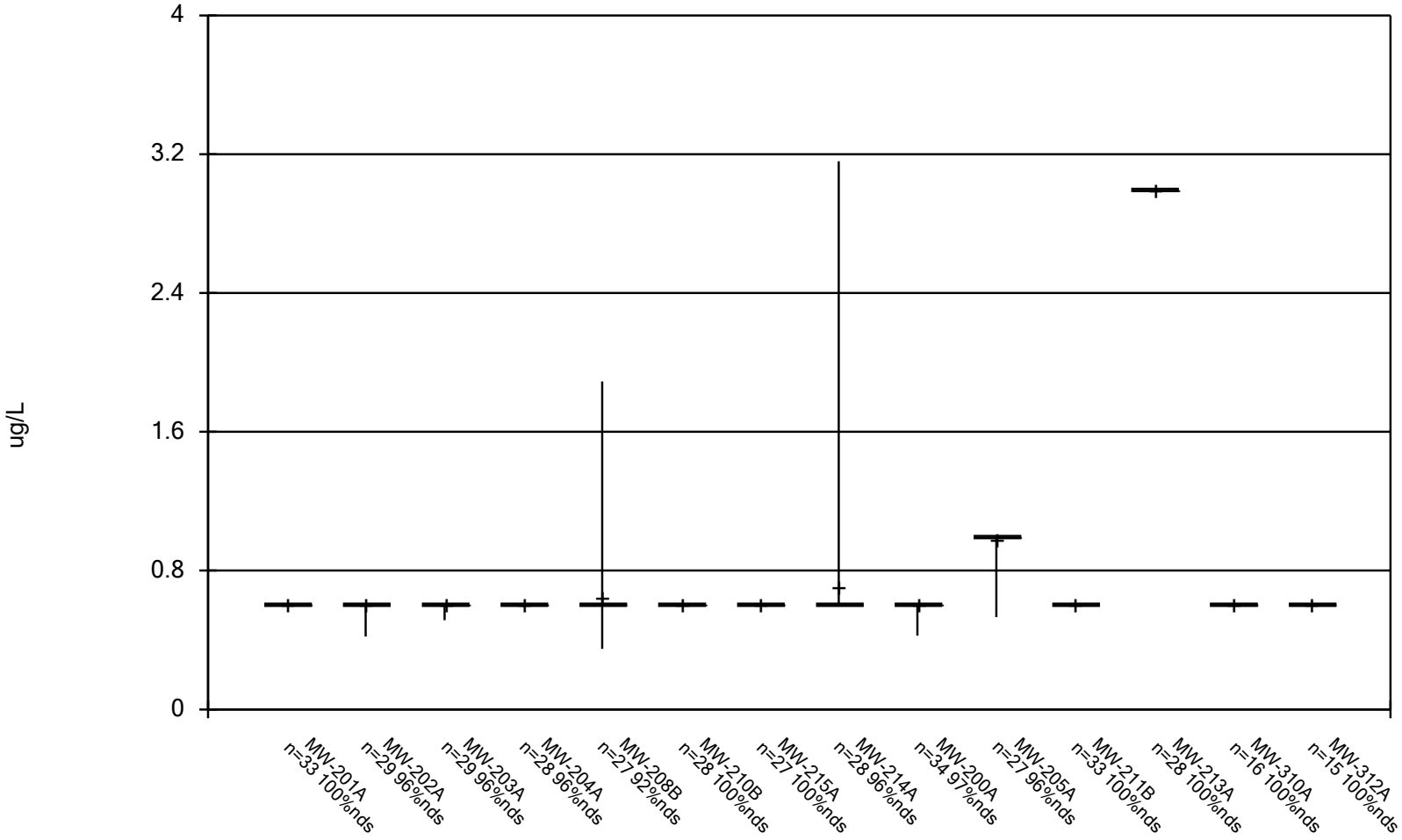


Constituent: Chloromethane Analysis Run 7/14/2025 12:11 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: Chloromethane Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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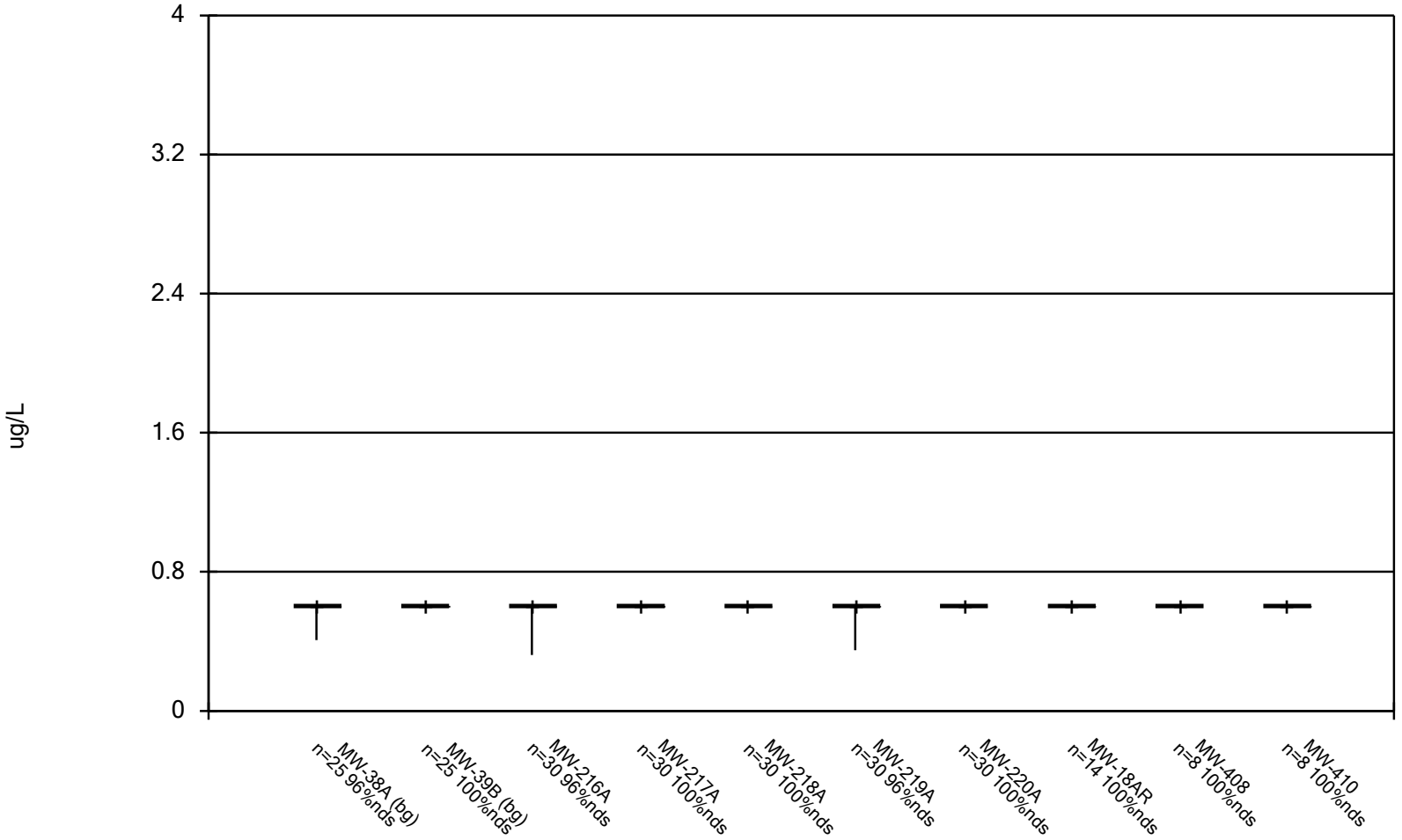
Box & Whiskers Plot



Constituent: Chloromethane Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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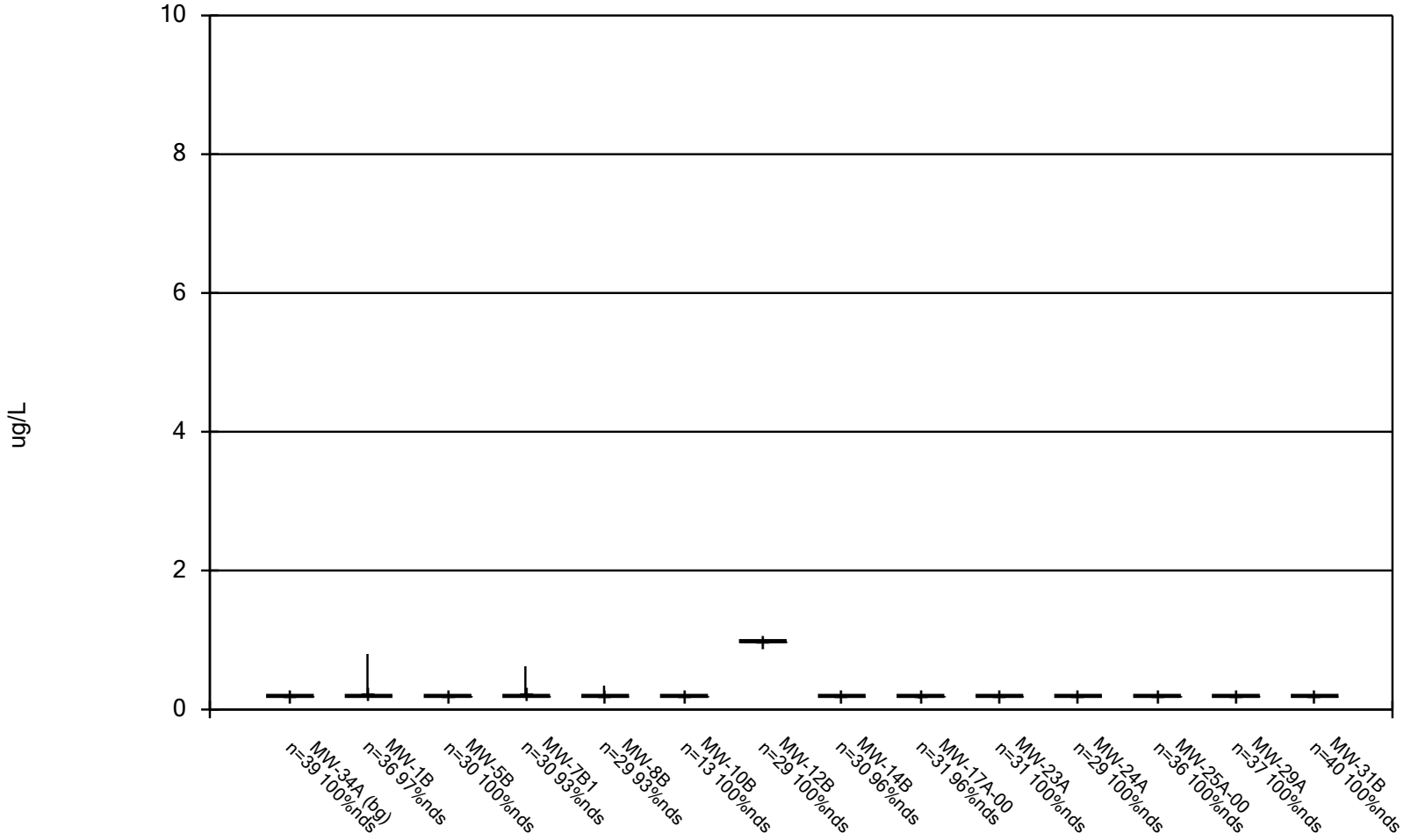
Box & Whiskers Plot

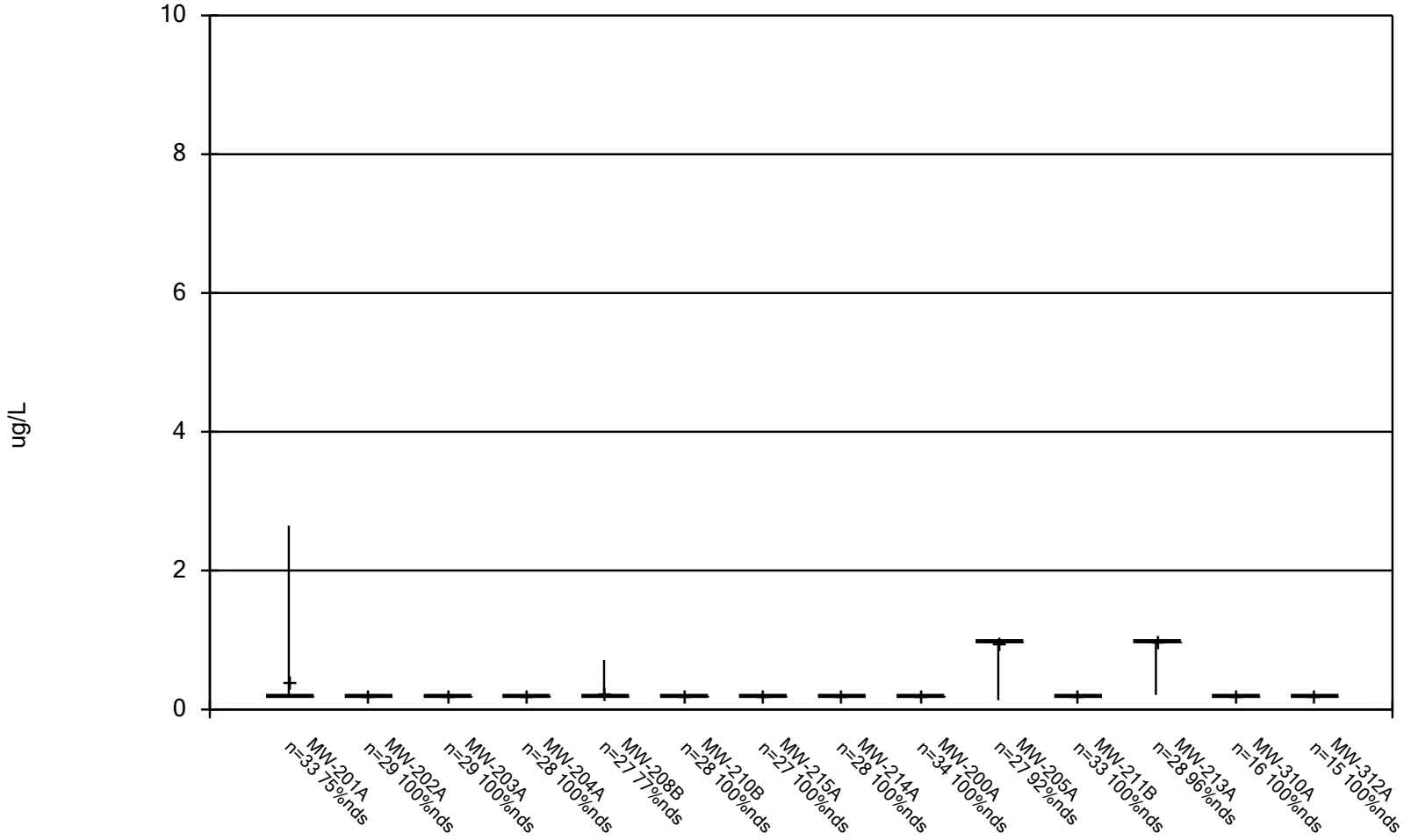


Constituent: cis-1,2-Dichloroethene Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

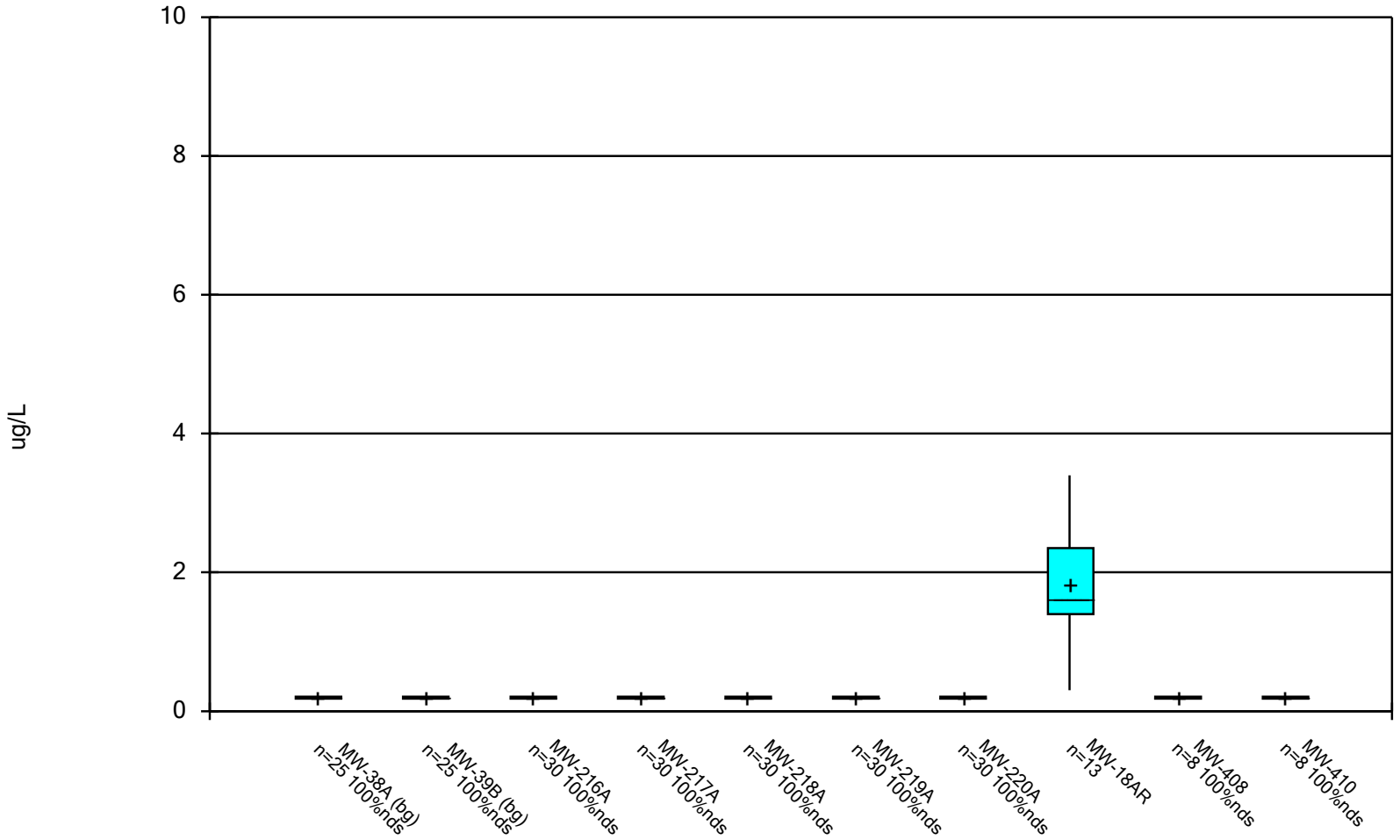


Constituent: cis-1,2-Dichloroethene Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

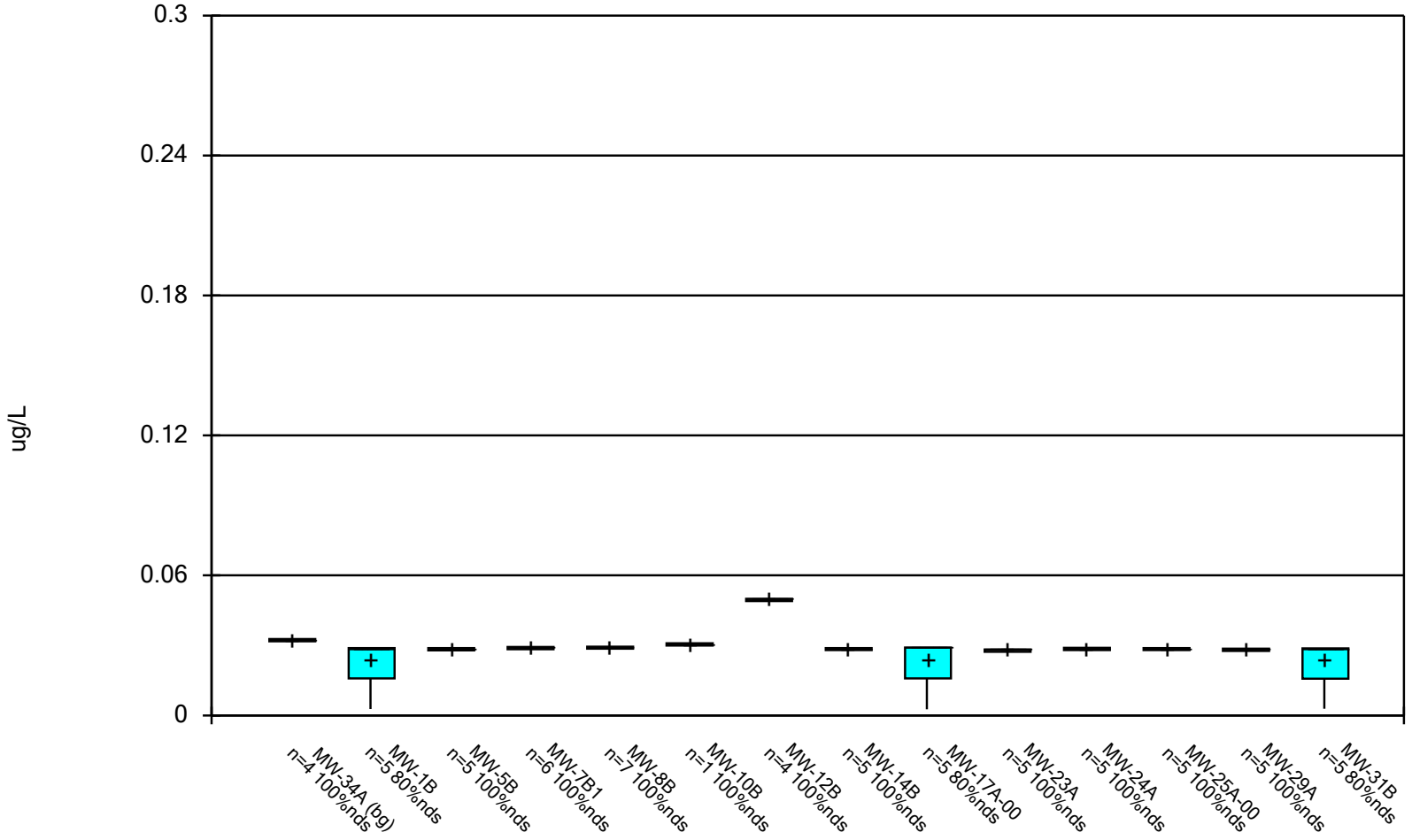


Constituent: cis-1,2-Dichloroethene Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

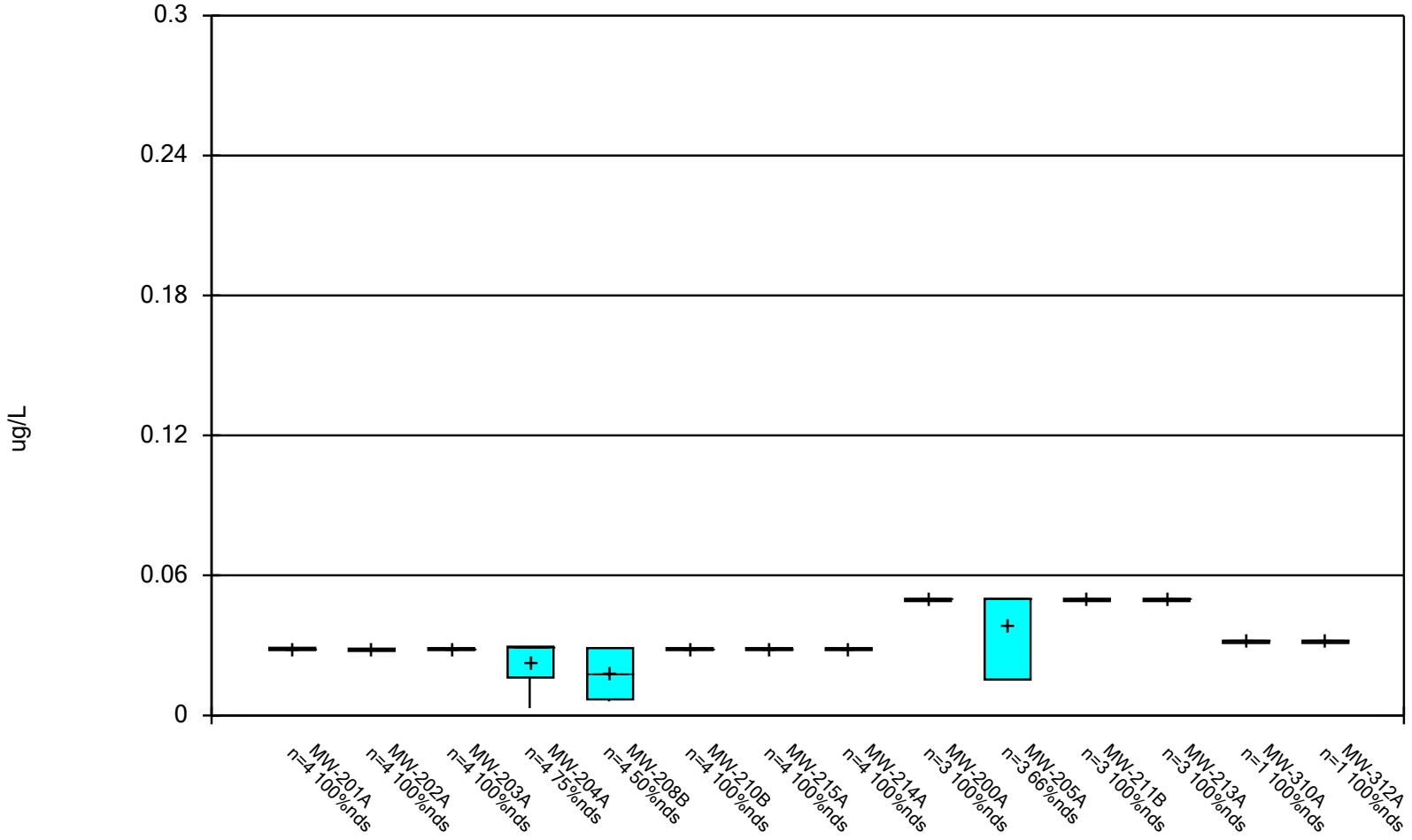


Constituent: Delta-BHC Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

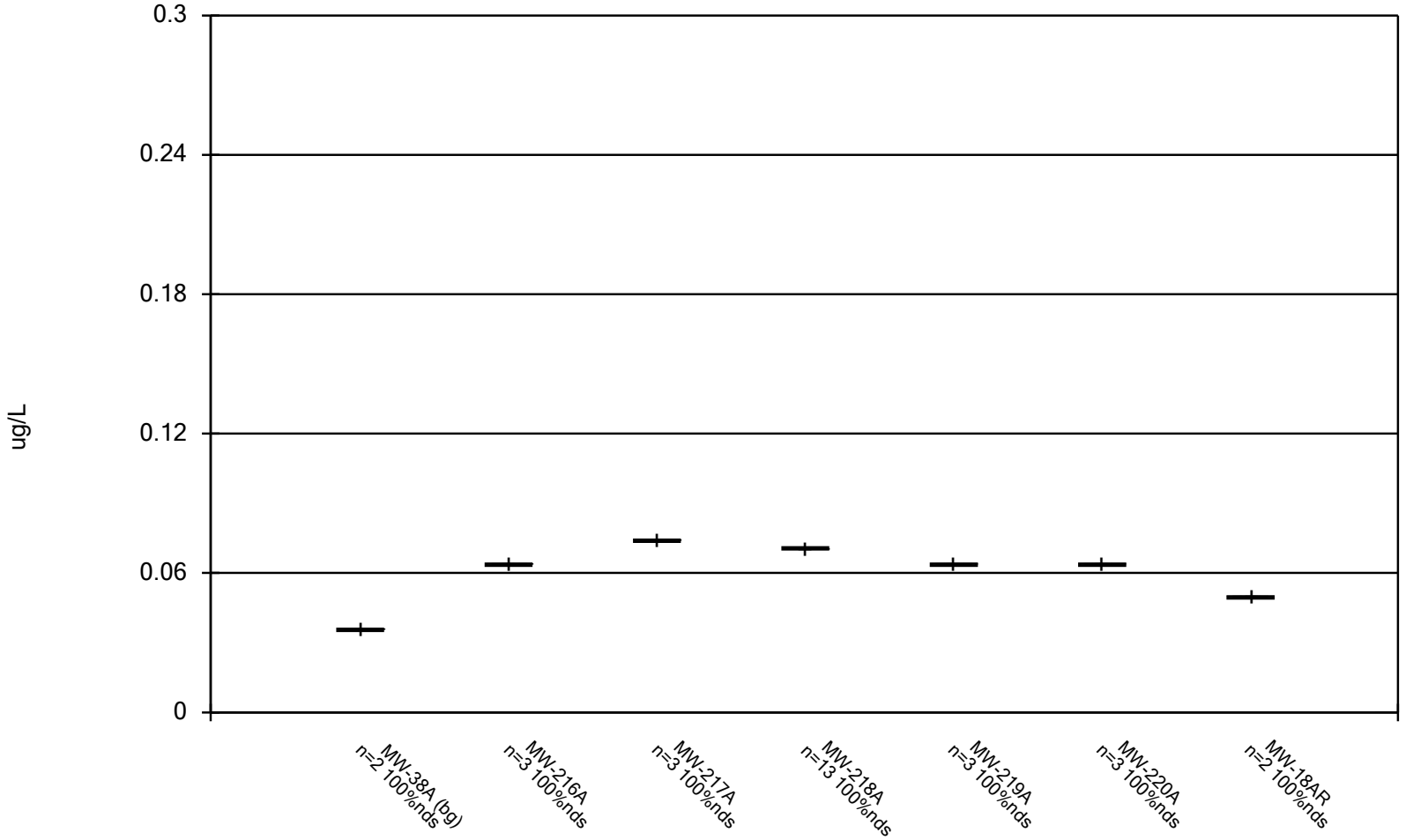


Constituent: Delta-BHC Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

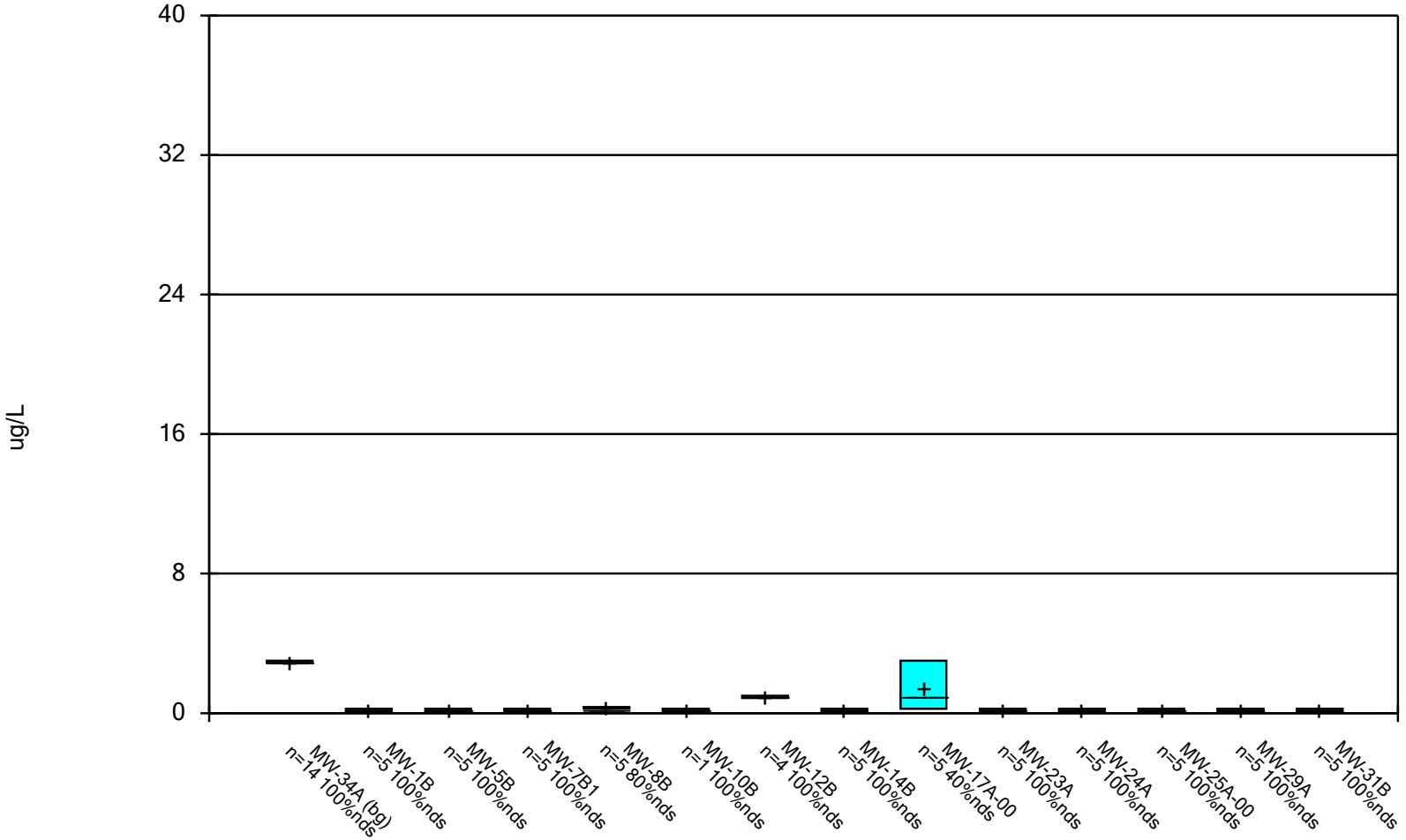


Constituent: Delta-BHC Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

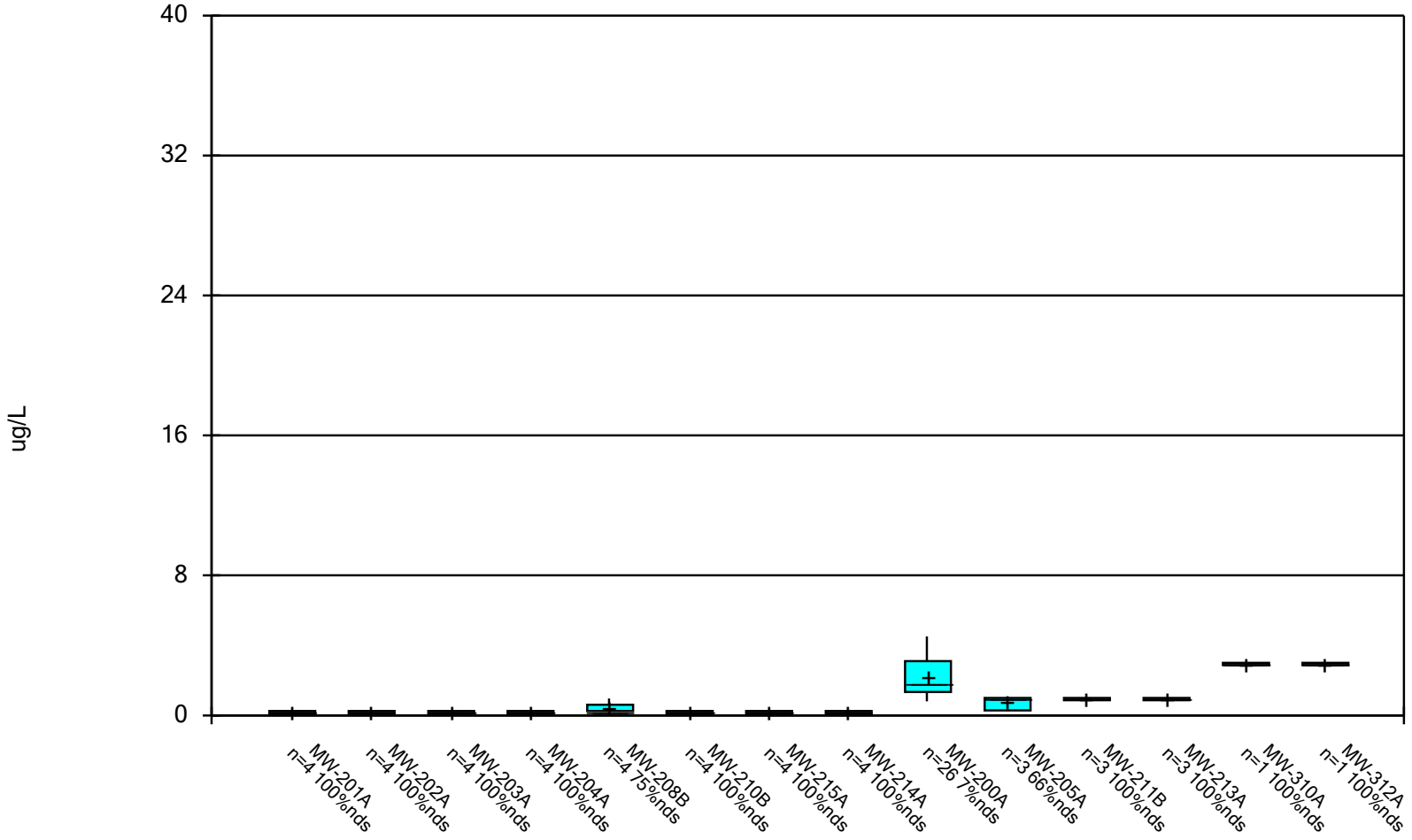


Constituent: Dichlorodifluoromethane Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

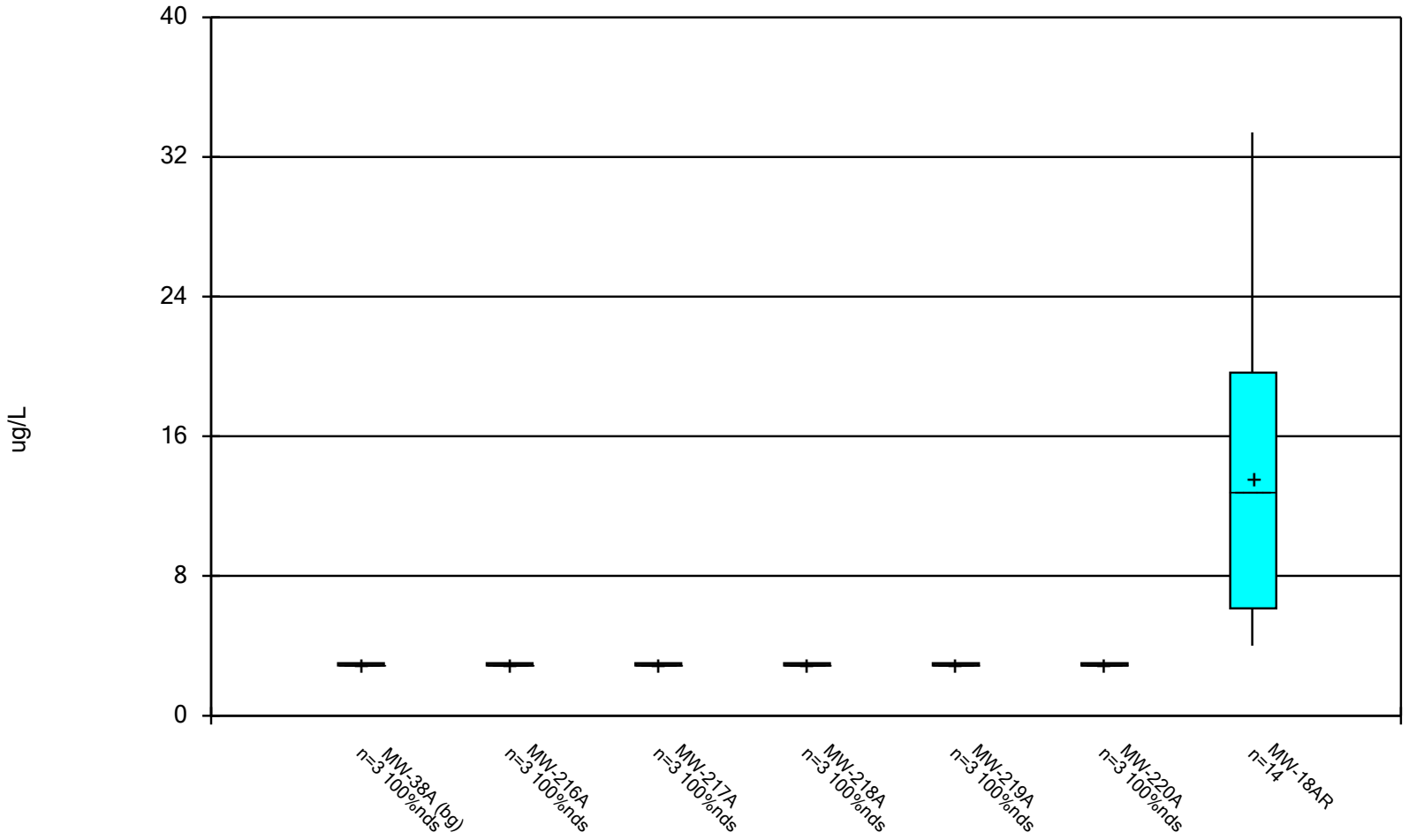


Constituent: Dichlorodifluoromethane Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

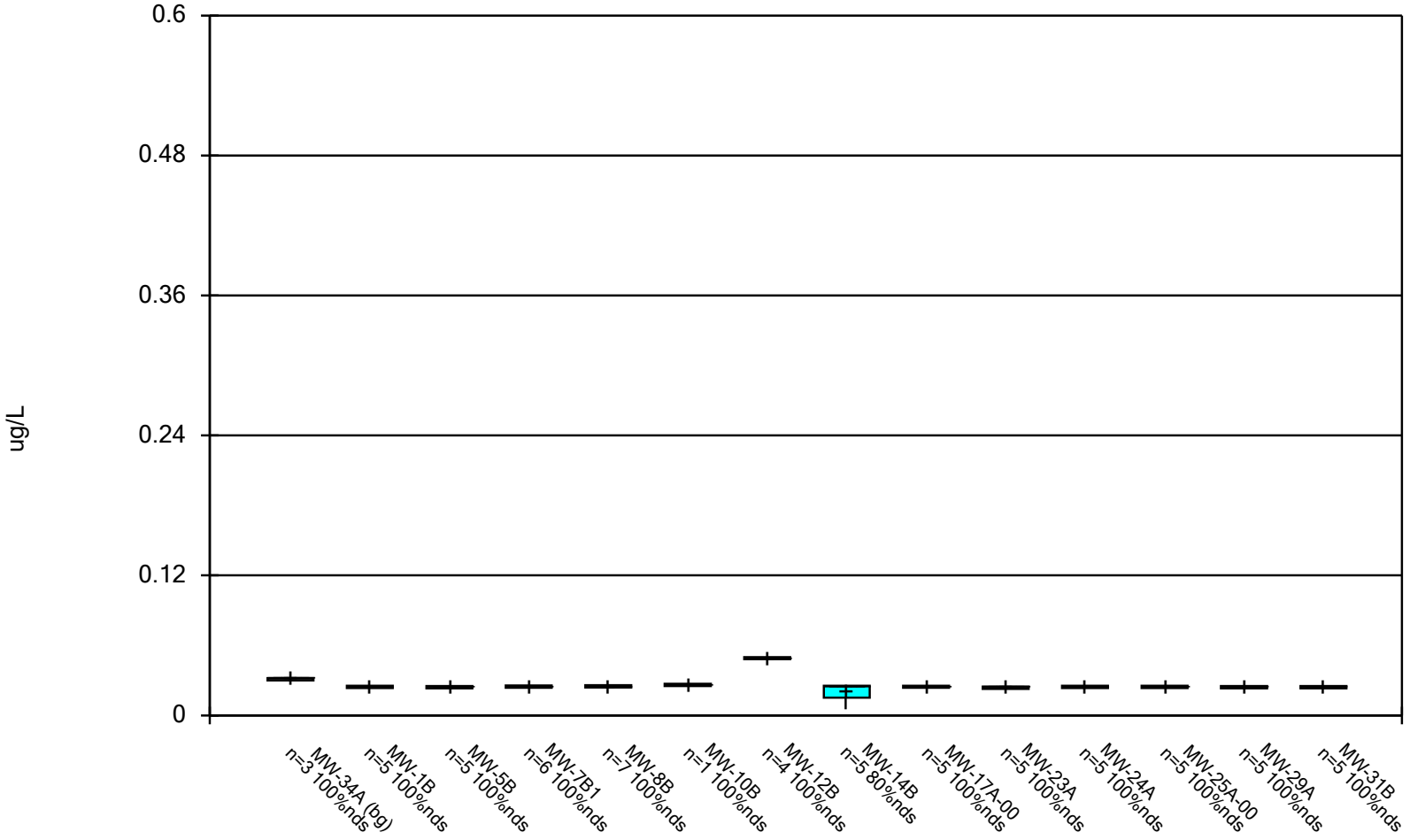


Constituent: Dichlorodifluoromethane Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

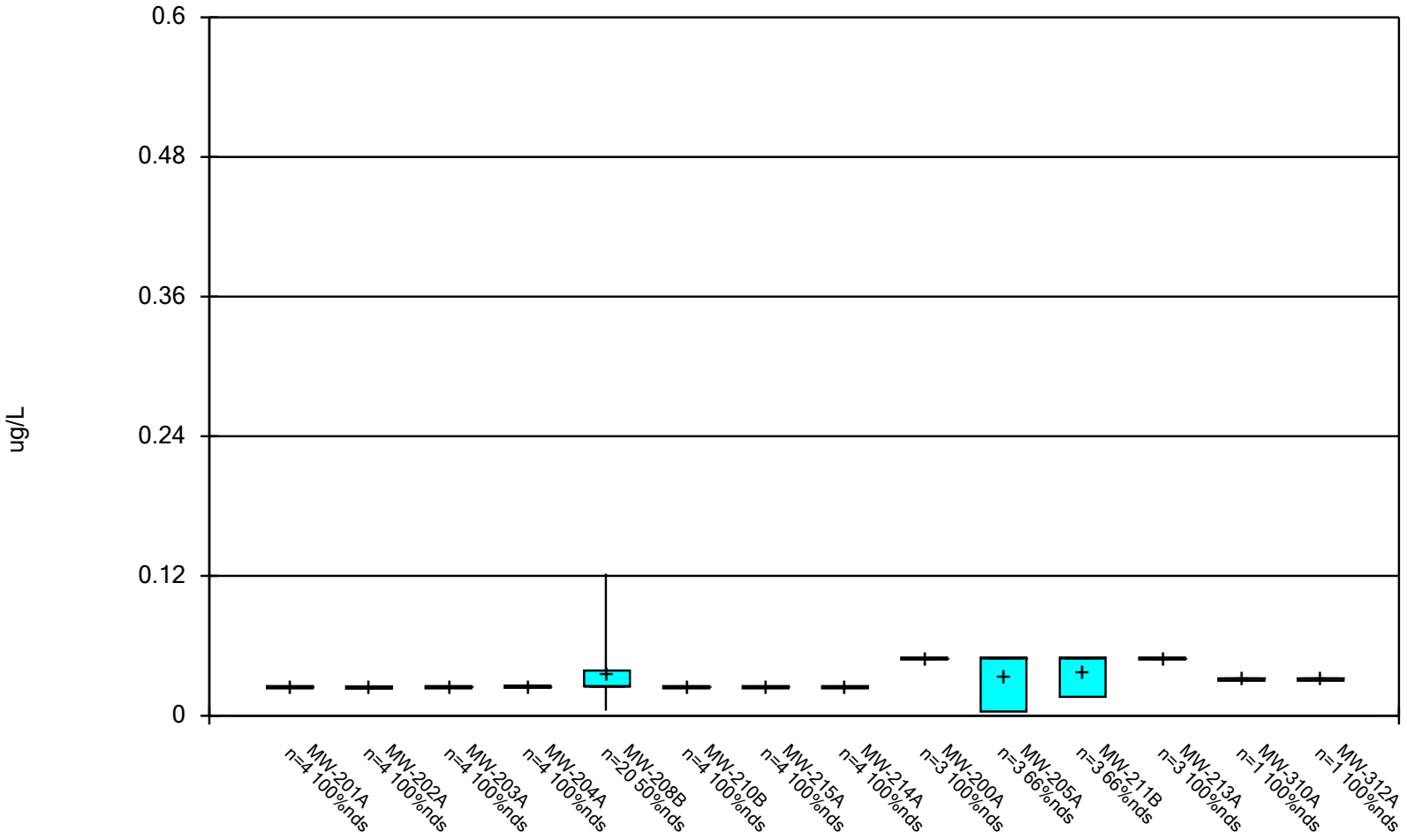


Constituent: Endrin Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

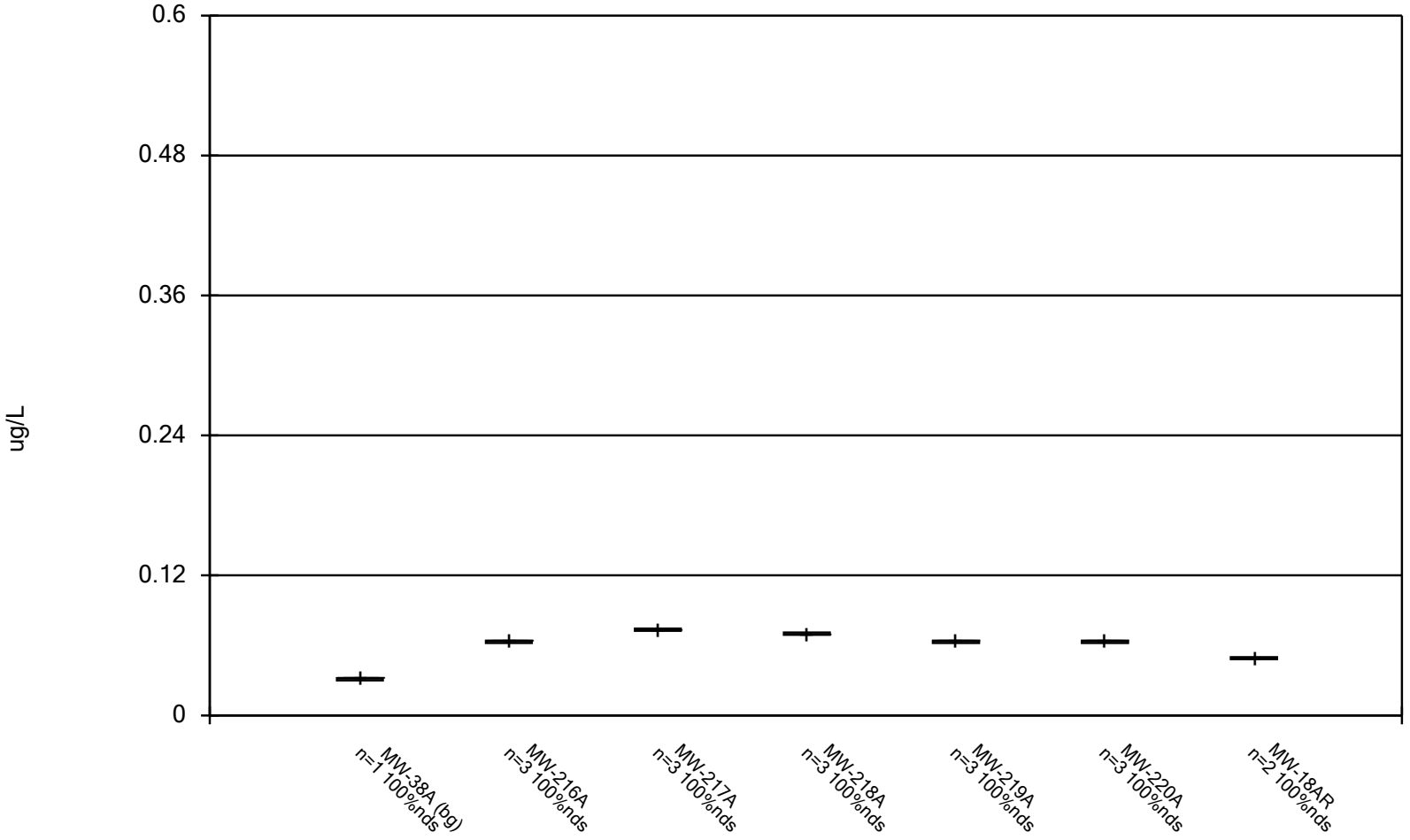


Constituent: Endrin Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

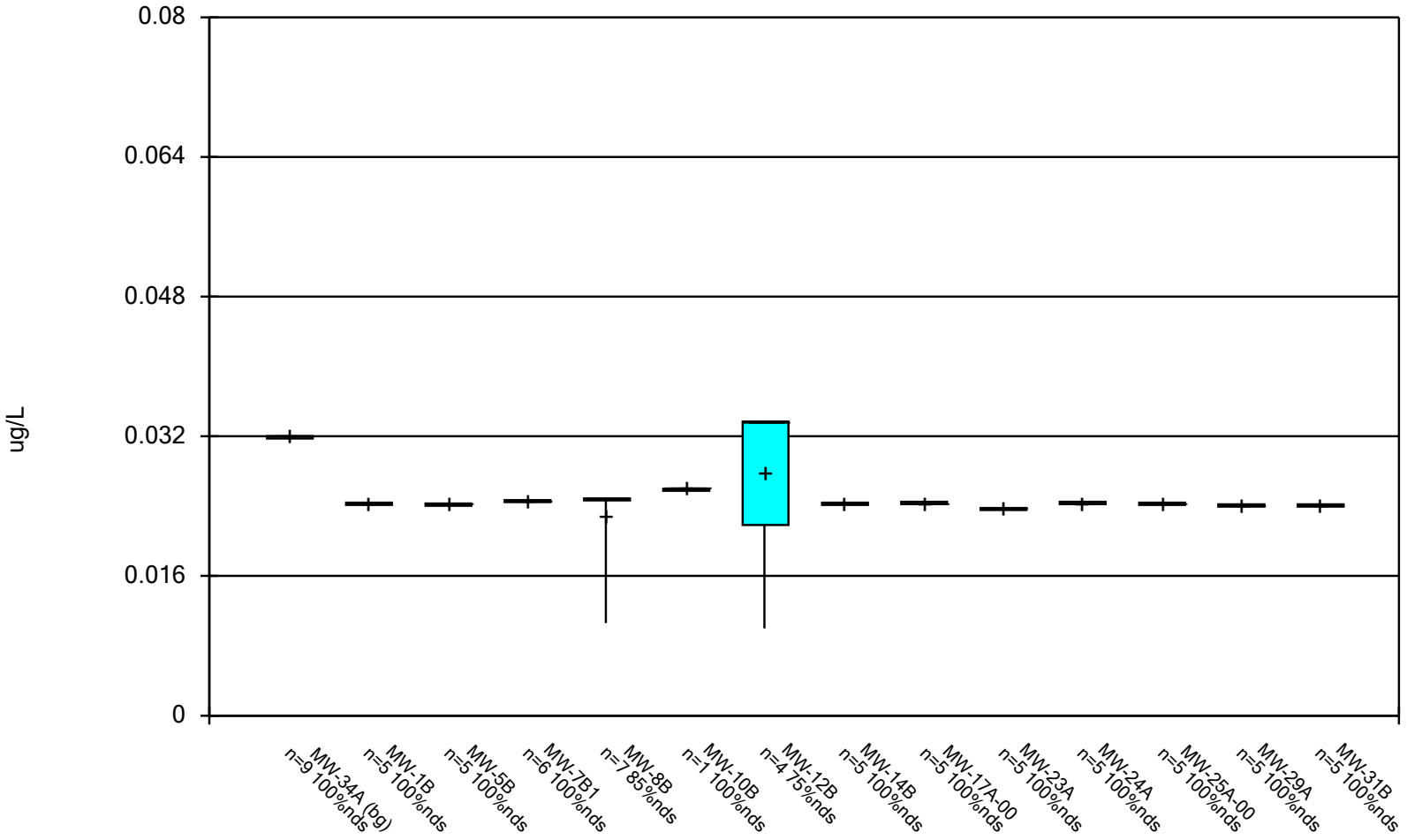


Constituent: Endrin Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: Endrin aldehyde Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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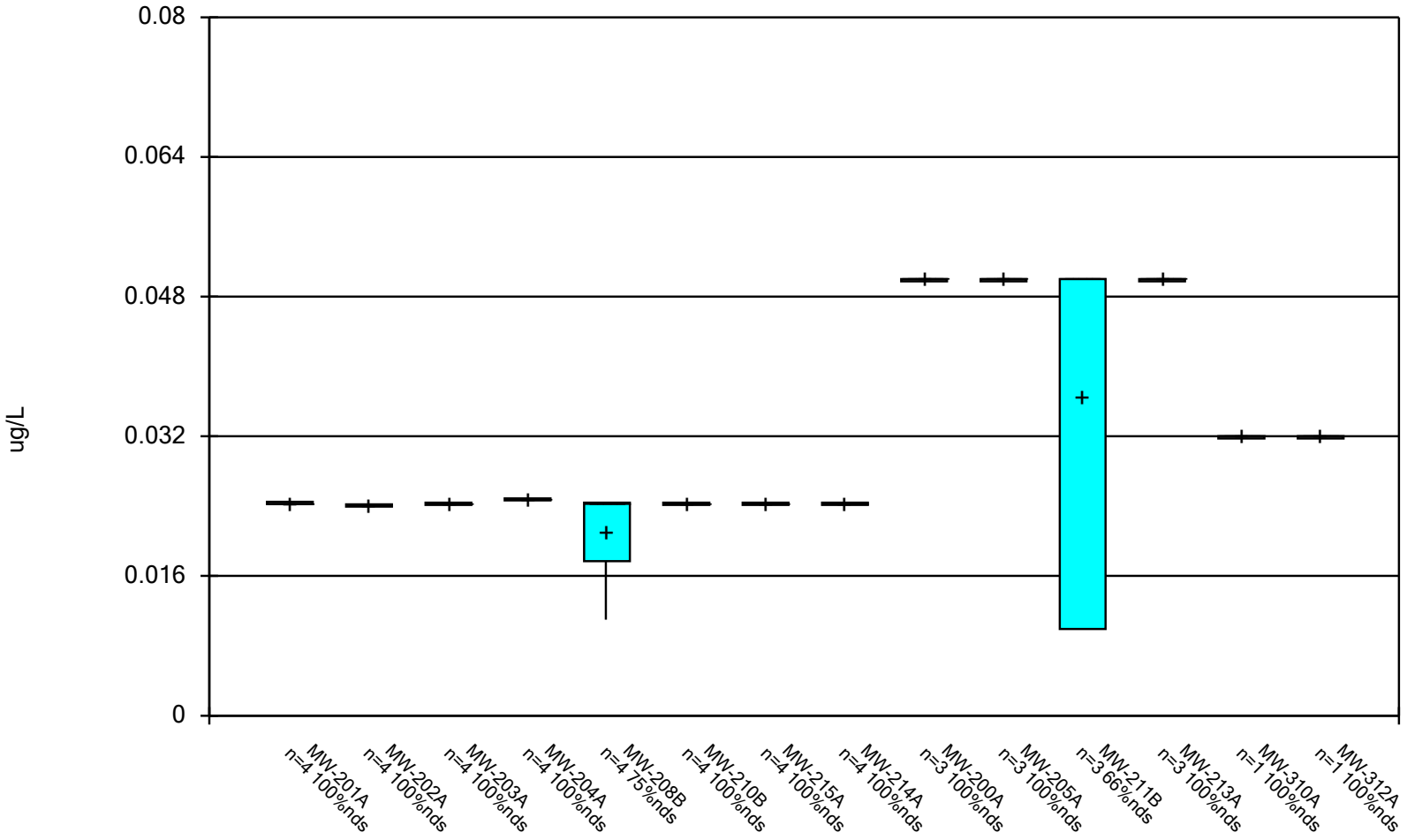
Box & Whiskers Plot



Constituent: Endrin aldehyde Analysis Run 7/14/2025 12:12 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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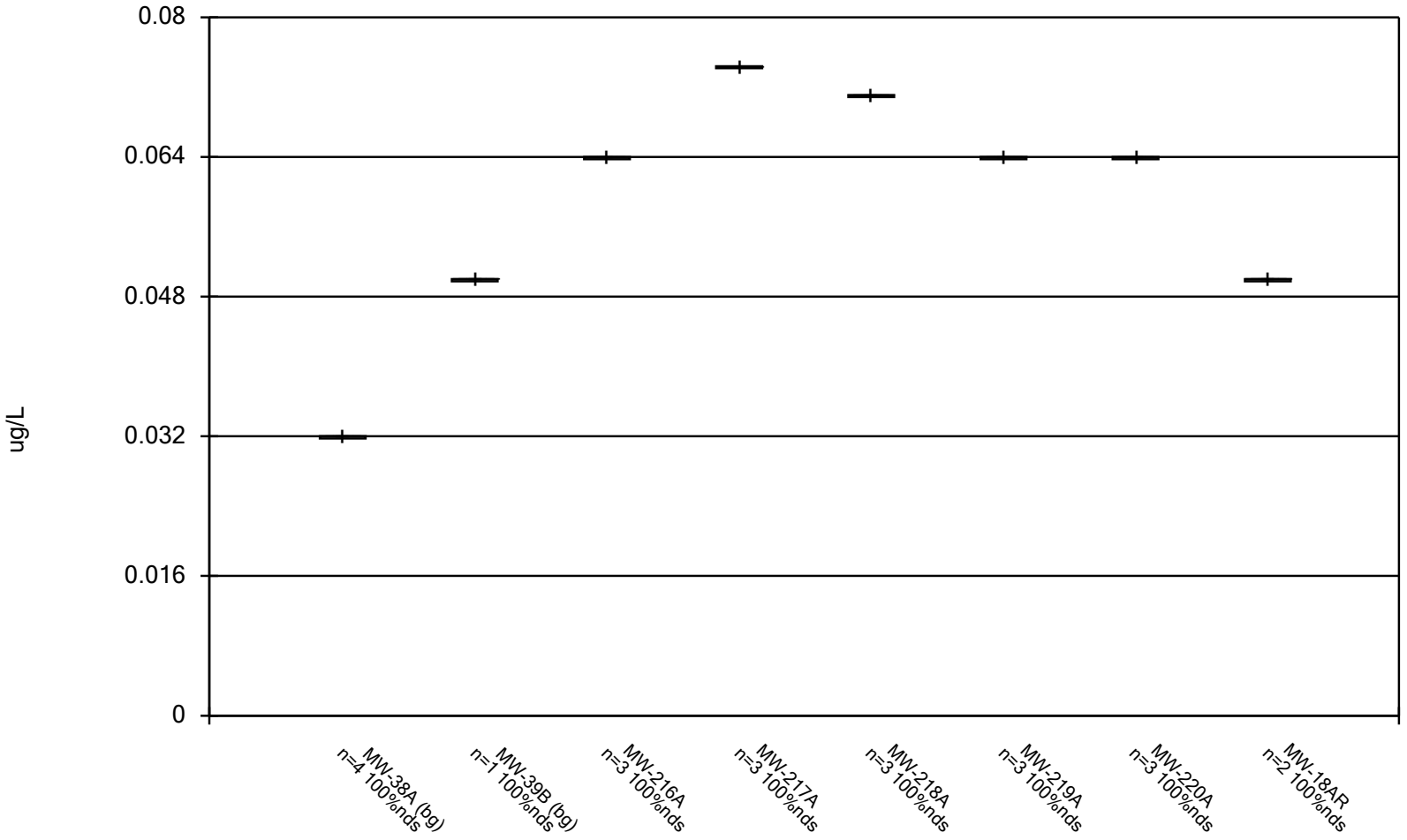
Box & Whiskers Plot



Constituent: Endrin aldehyde Analysis Run 7/14/2025 12:13 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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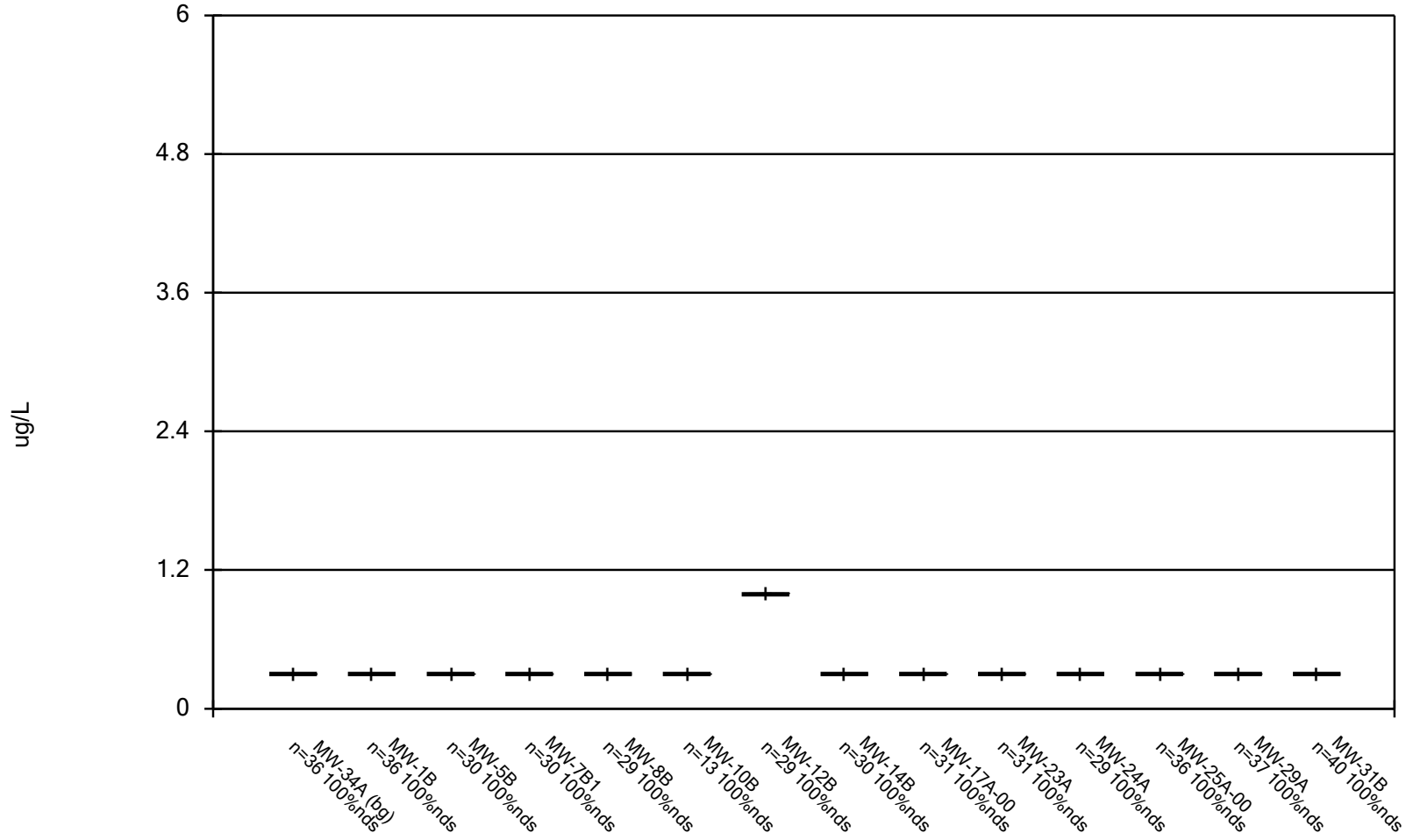
Box & Whiskers Plot



Constituent: Ethylbenzene Analysis Run 7/14/2025 12:13 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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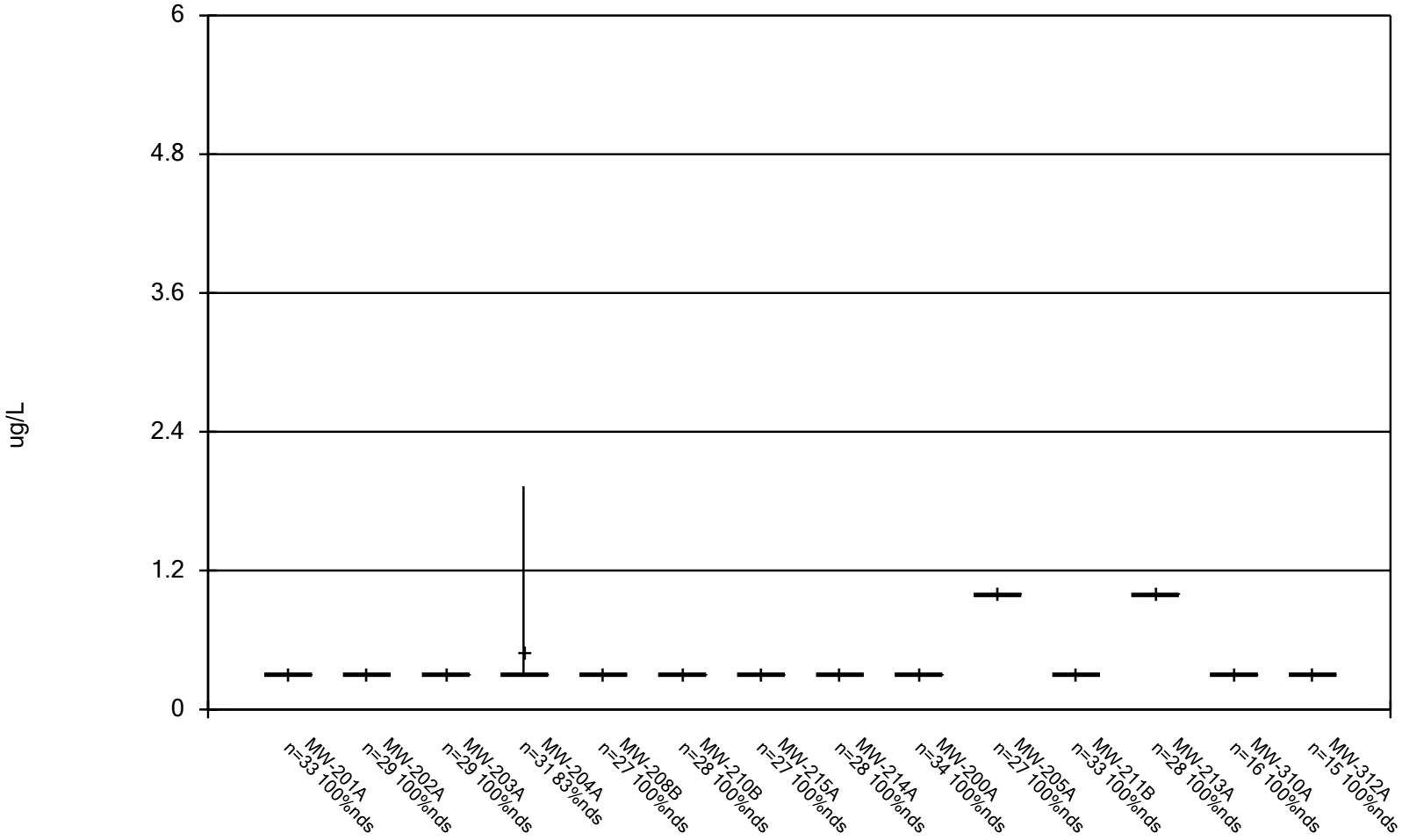
Box & Whiskers Plot



Constituent: Ethylbenzene Analysis Run 7/14/2025 12:13 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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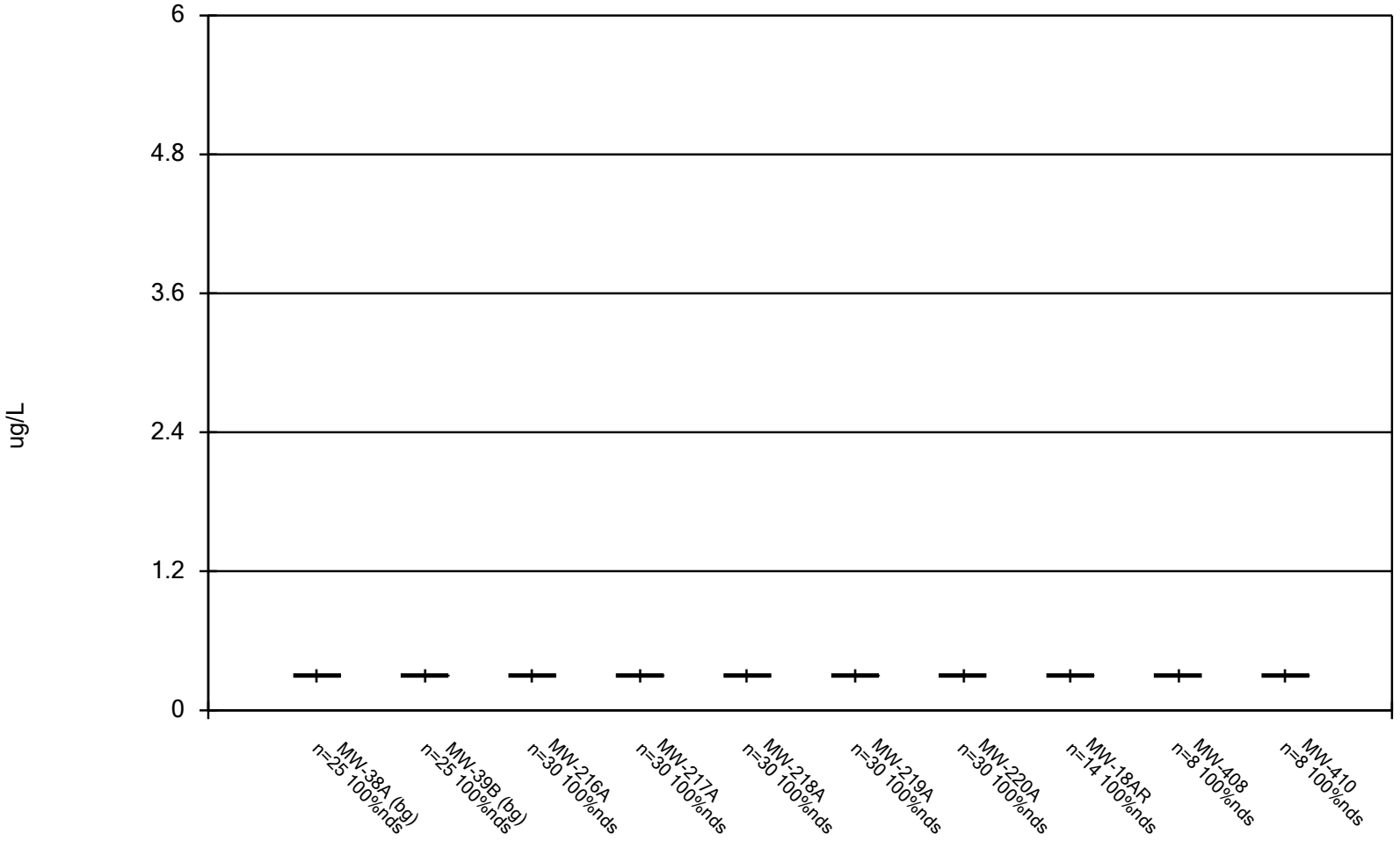
Box & Whiskers Plot



Constituent: Ethylbenzene Analysis Run 7/14/2025 12:13 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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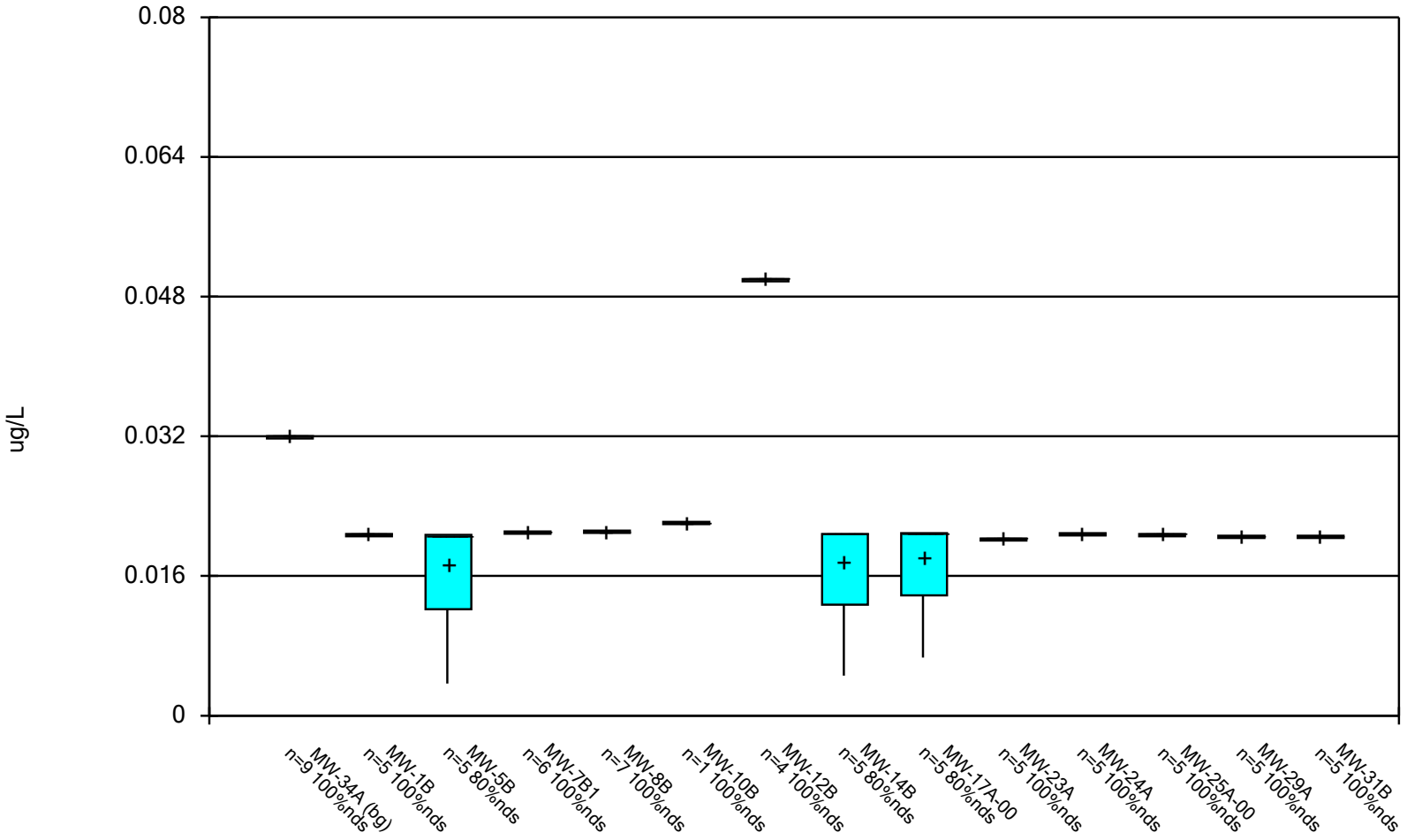
Box & Whiskers Plot

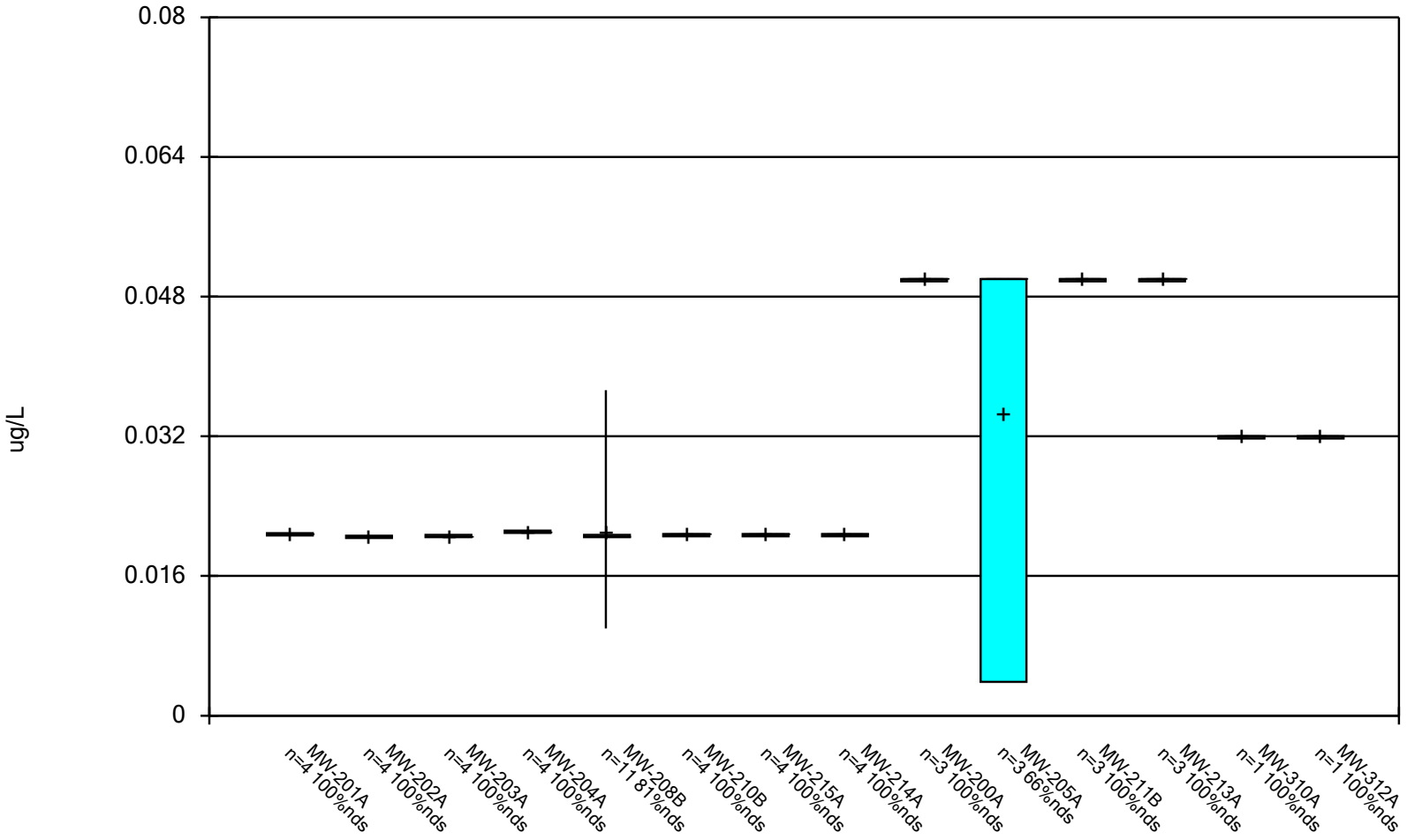


Constituent: Heptachlor Analysis Run 7/14/2025 12:13 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

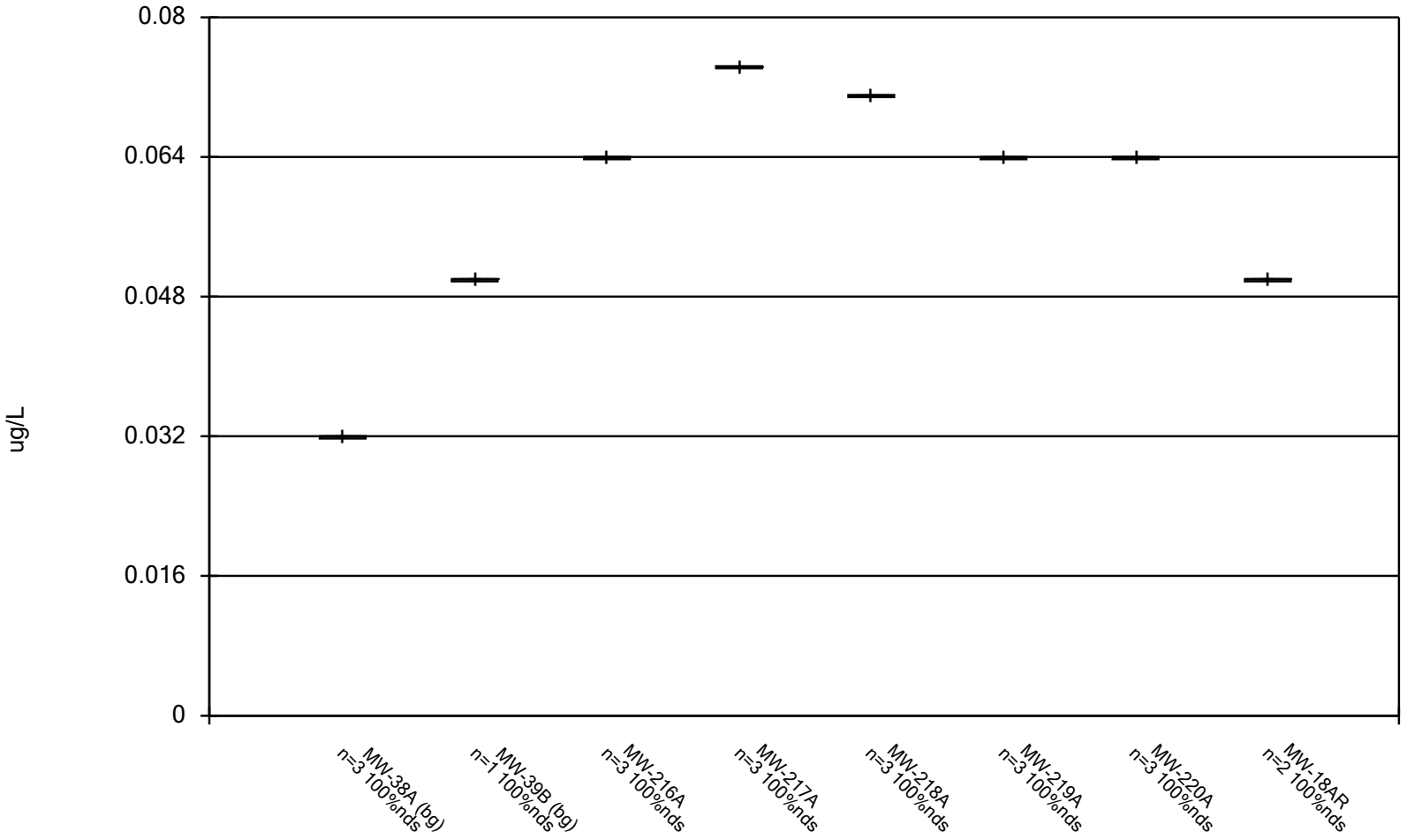


Constituent: Heptachlor Analysis Run 7/14/2025 12:13 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

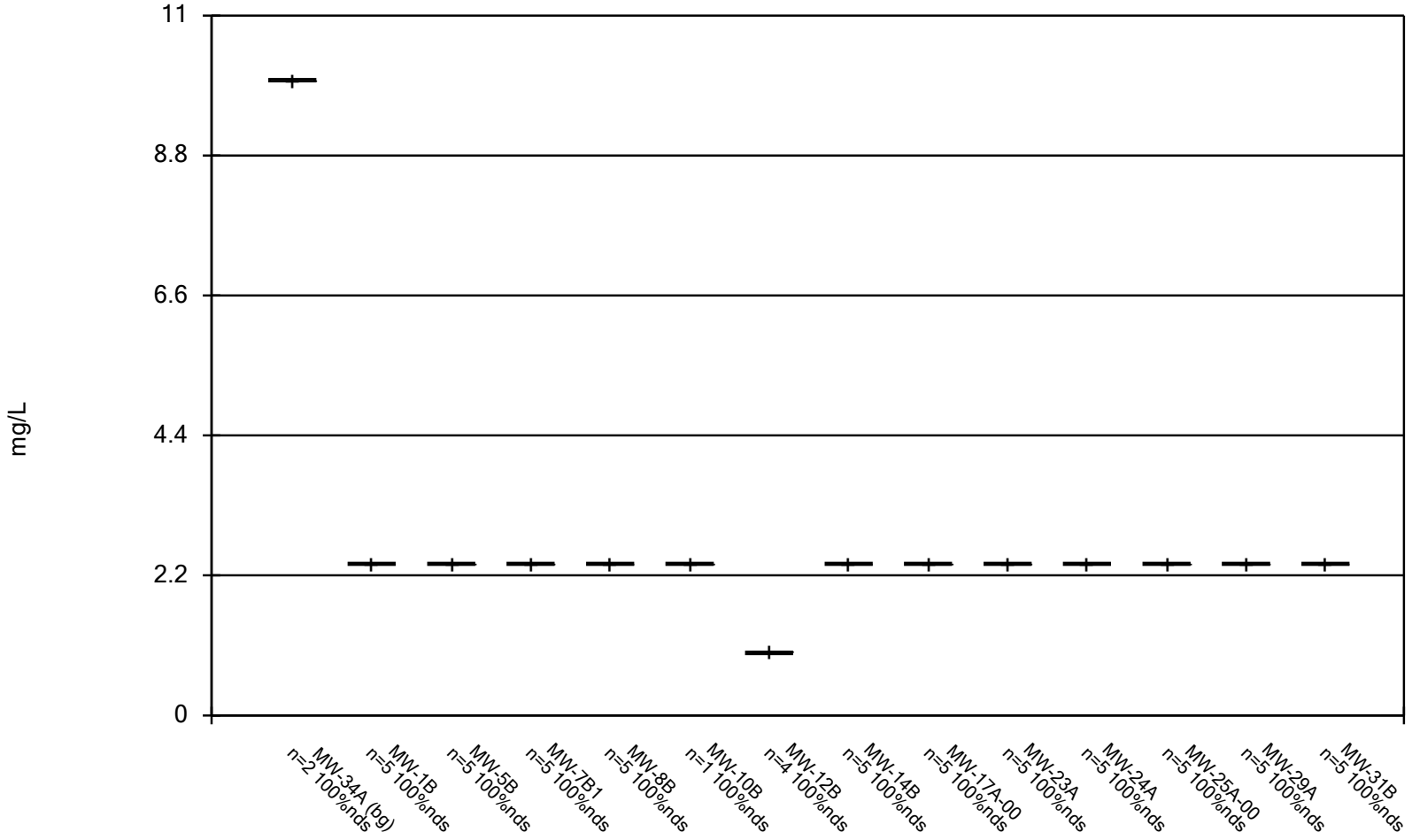


Constituent: Heptachlor Analysis Run 7/14/2025 12:13 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

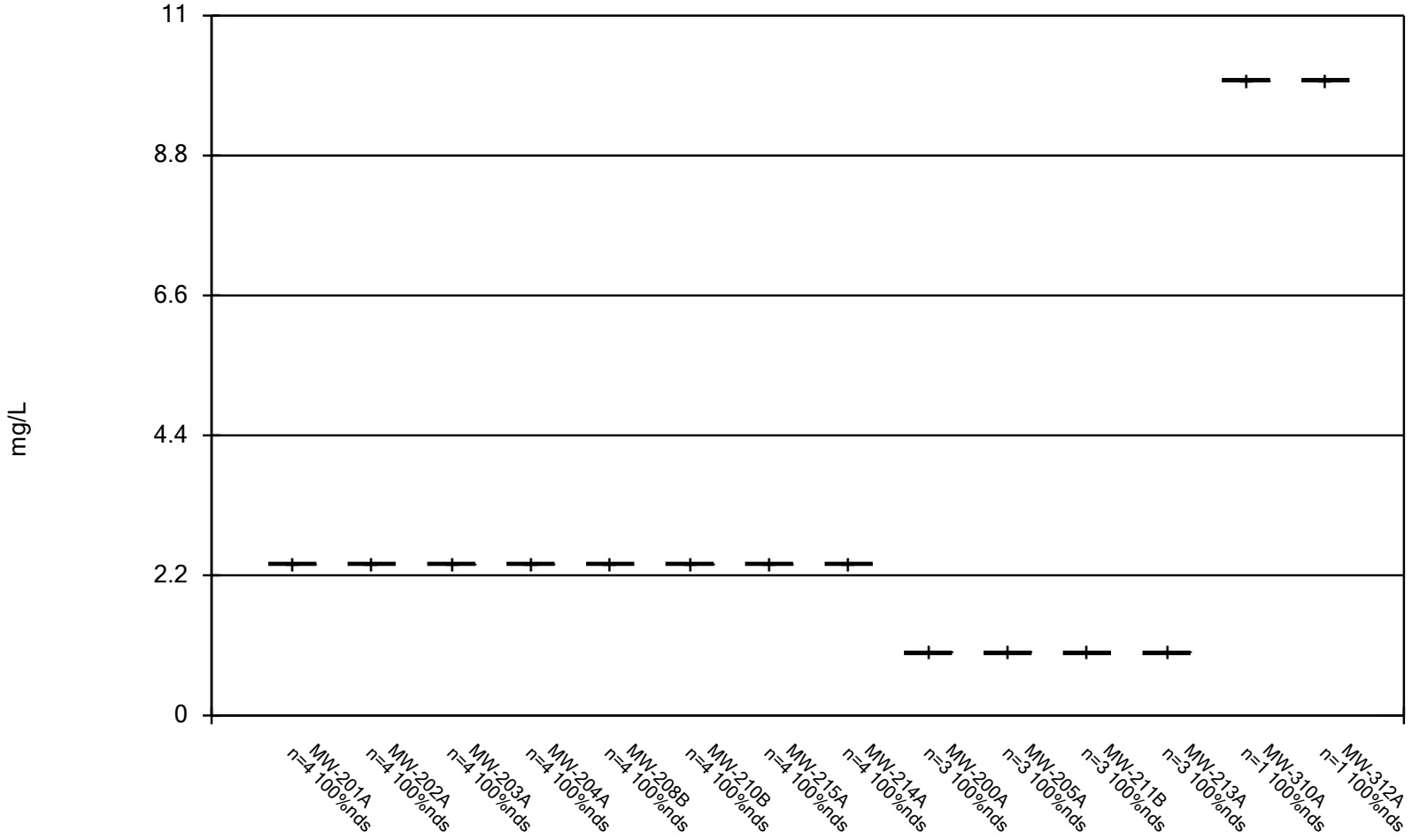


Constituent: Isobutanol Analysis Run 7/14/2025 12:13 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

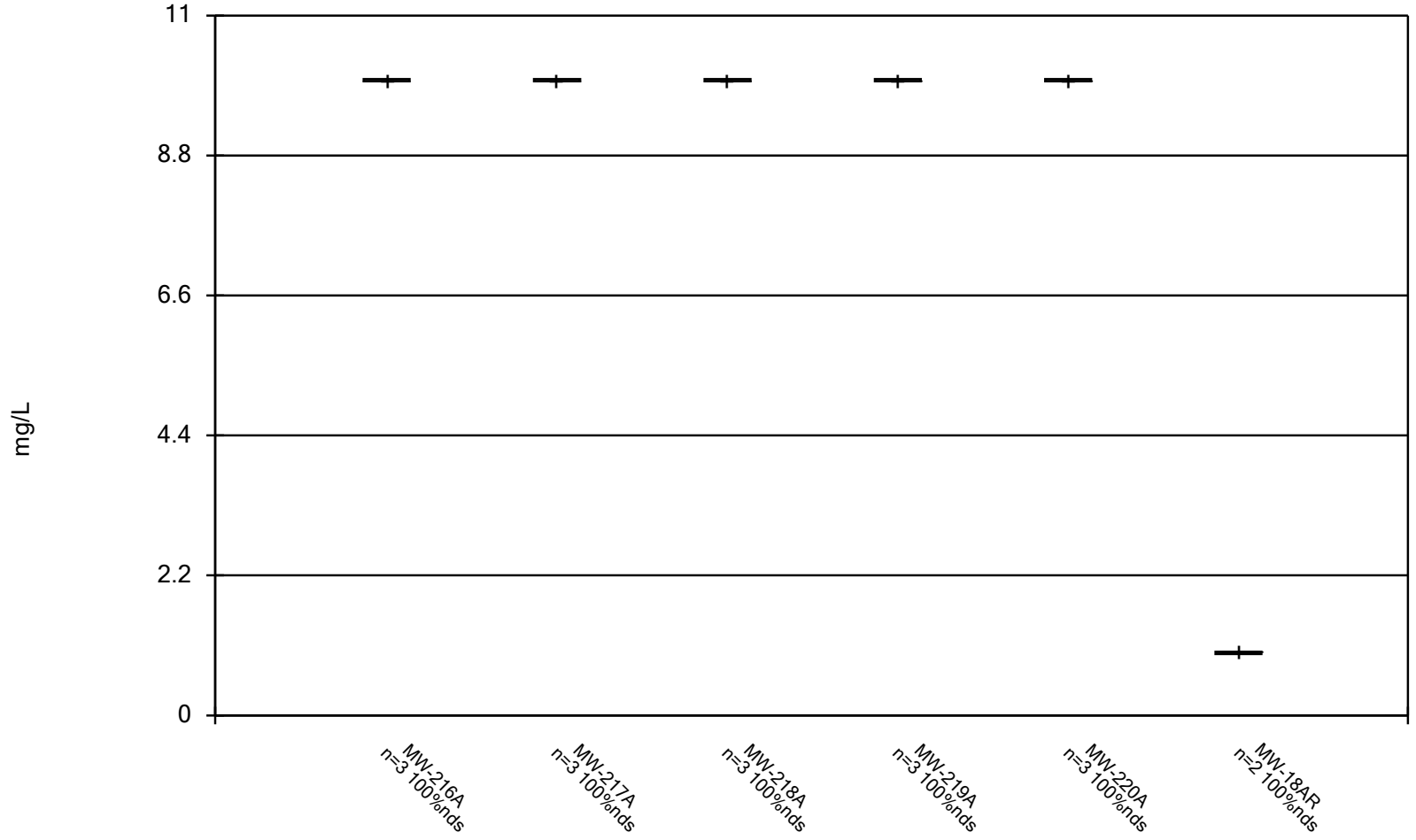


Constituent: Isobutanol Analysis Run 7/14/2025 12:13 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

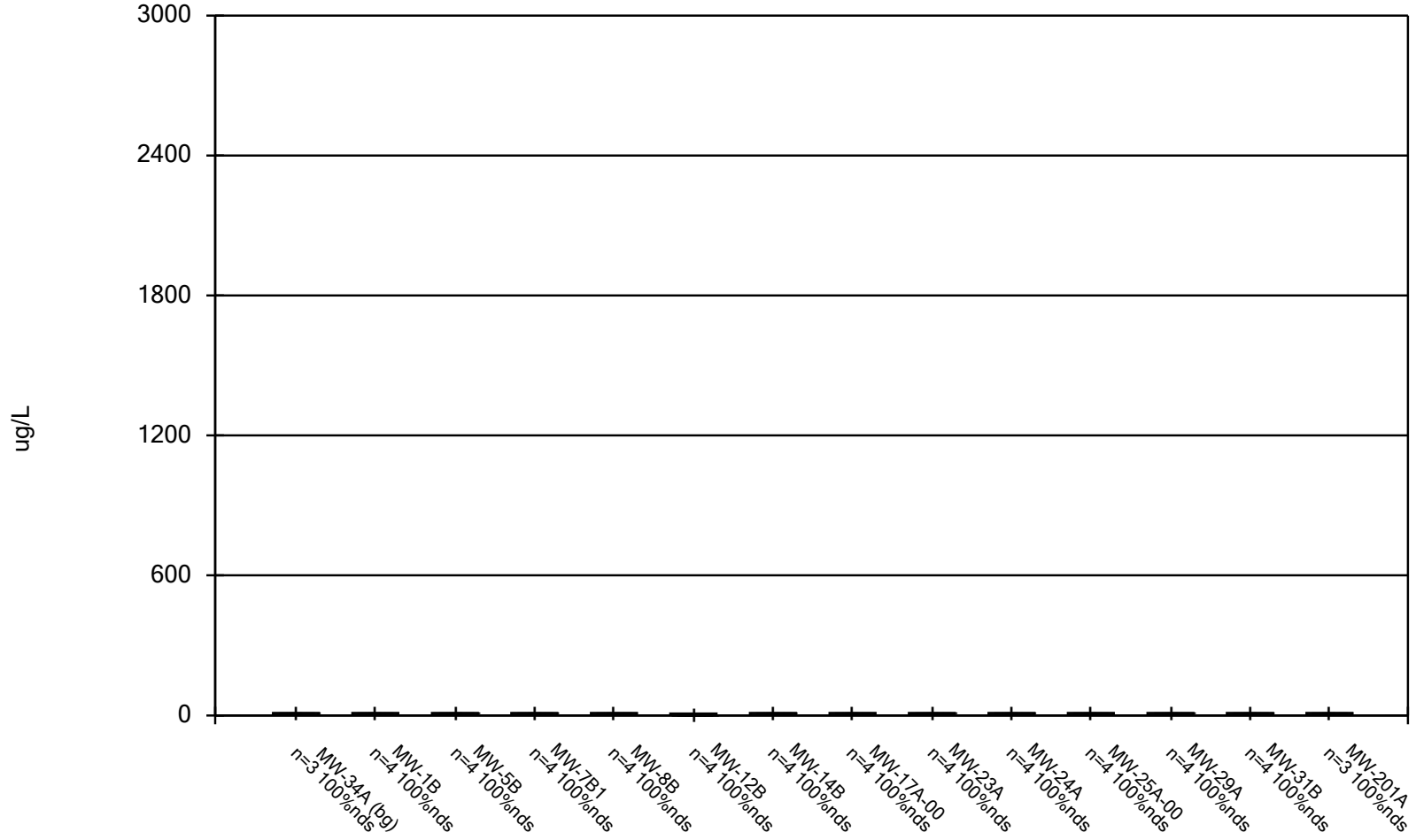


Constituent: Isobutanol Analysis Run 7/14/2025 12:13 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

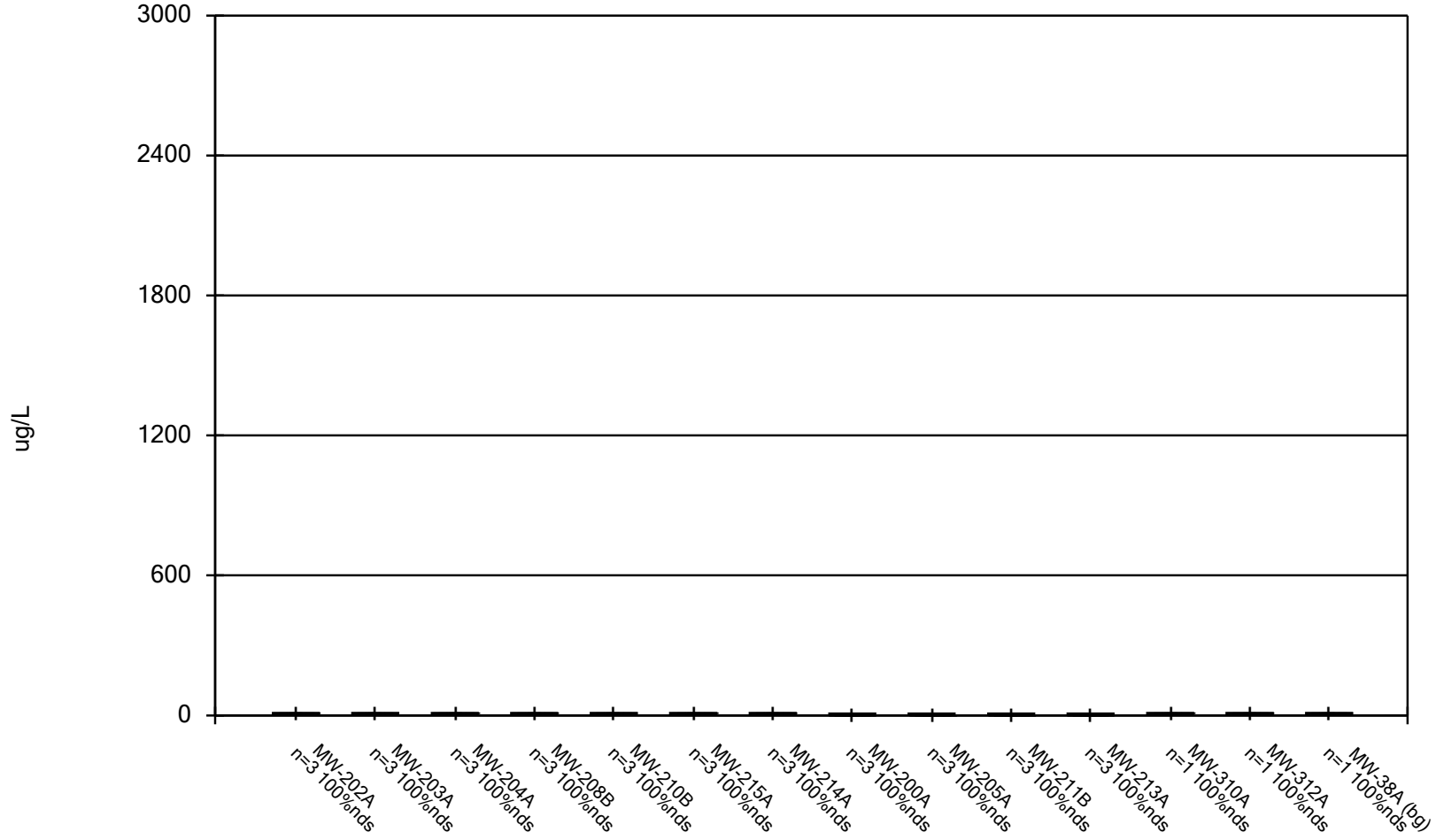


Constituent: m/p-Cresol Analysis Run 7/14/2025 12:13 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

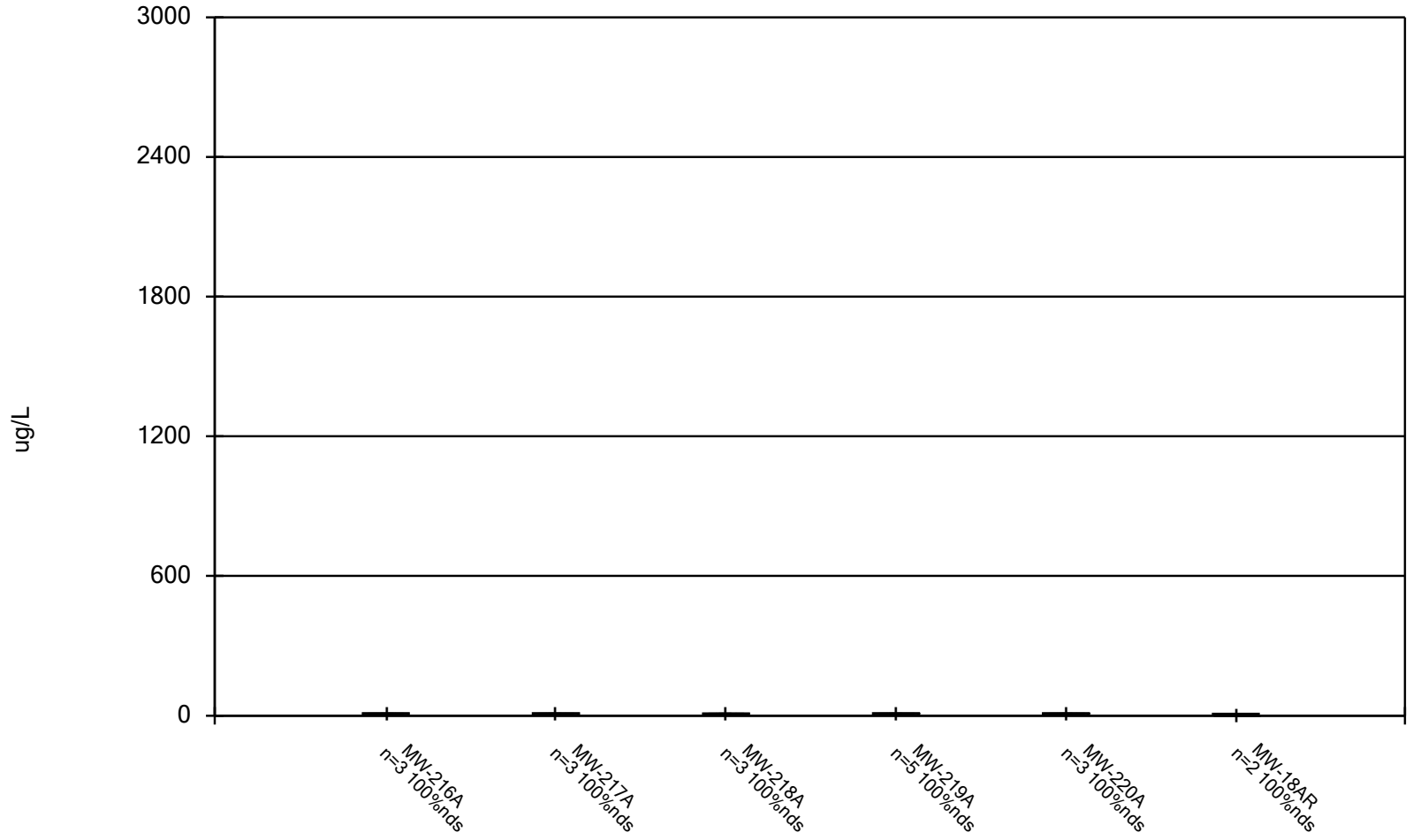


Constituent: m/p-Cresol Analysis Run 7/14/2025 12:13 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

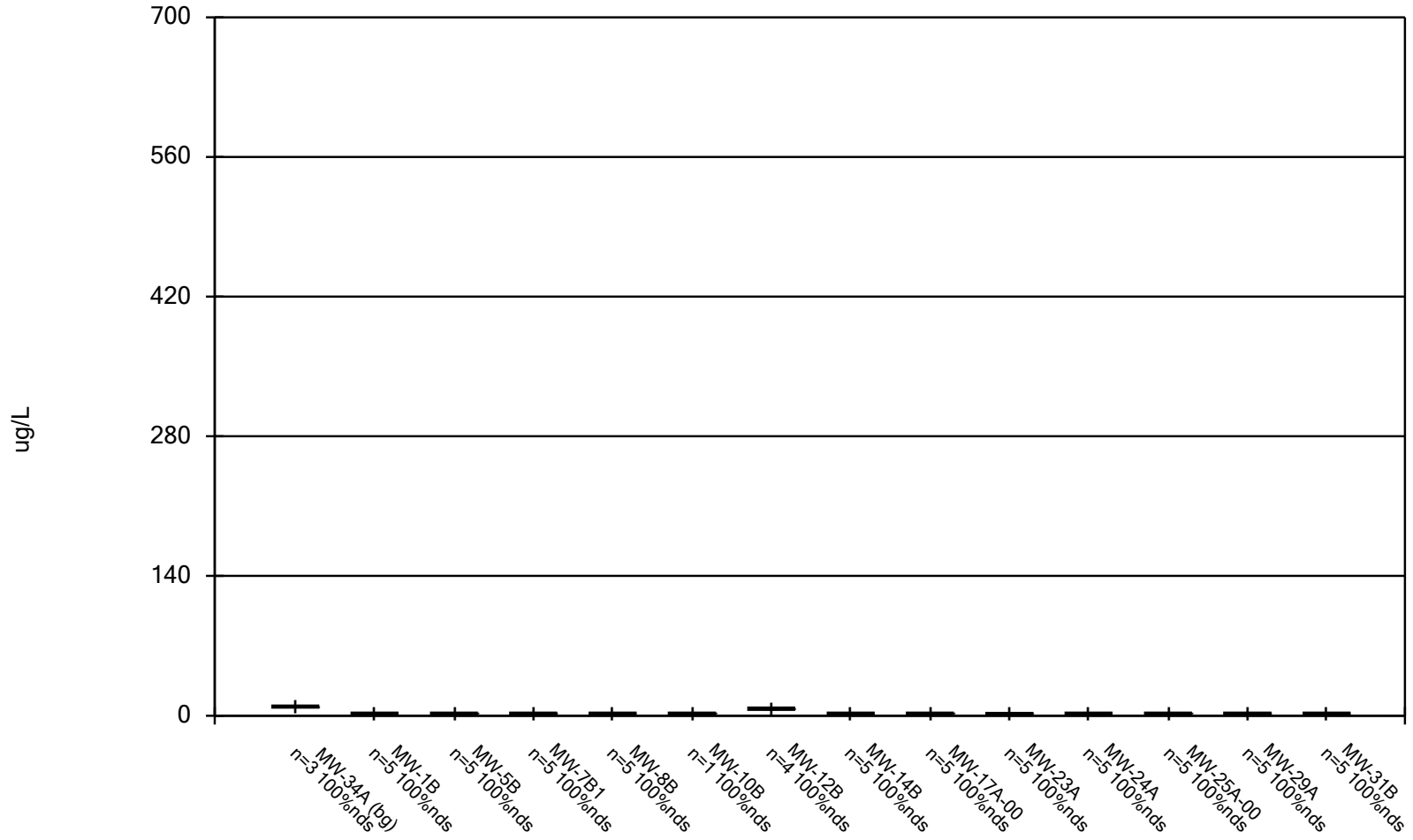


Constituent: m/p-Cresol Analysis Run 7/14/2025 12:13 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

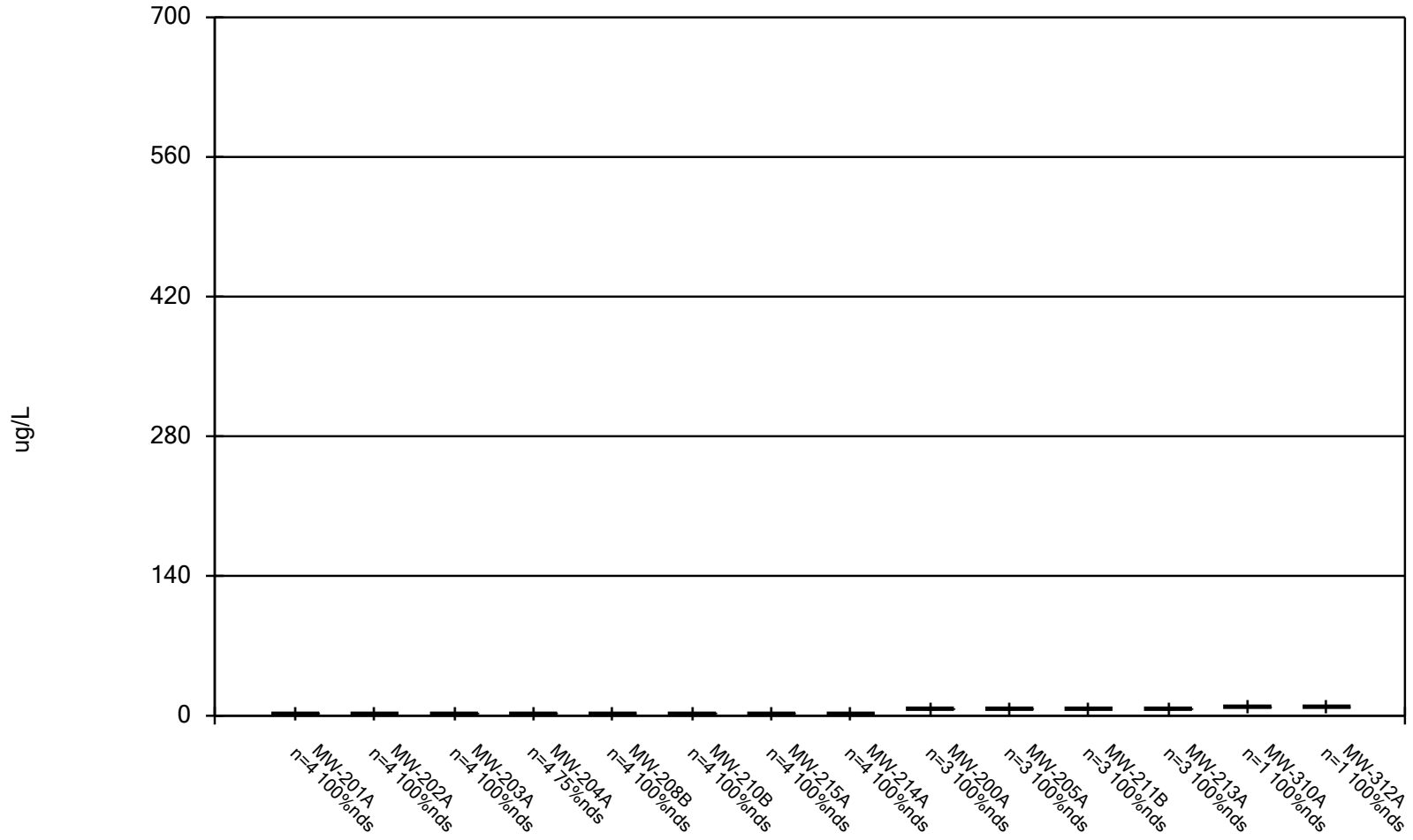


Constituent: O-Toluidine Analysis Run 7/14/2025 12:13 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

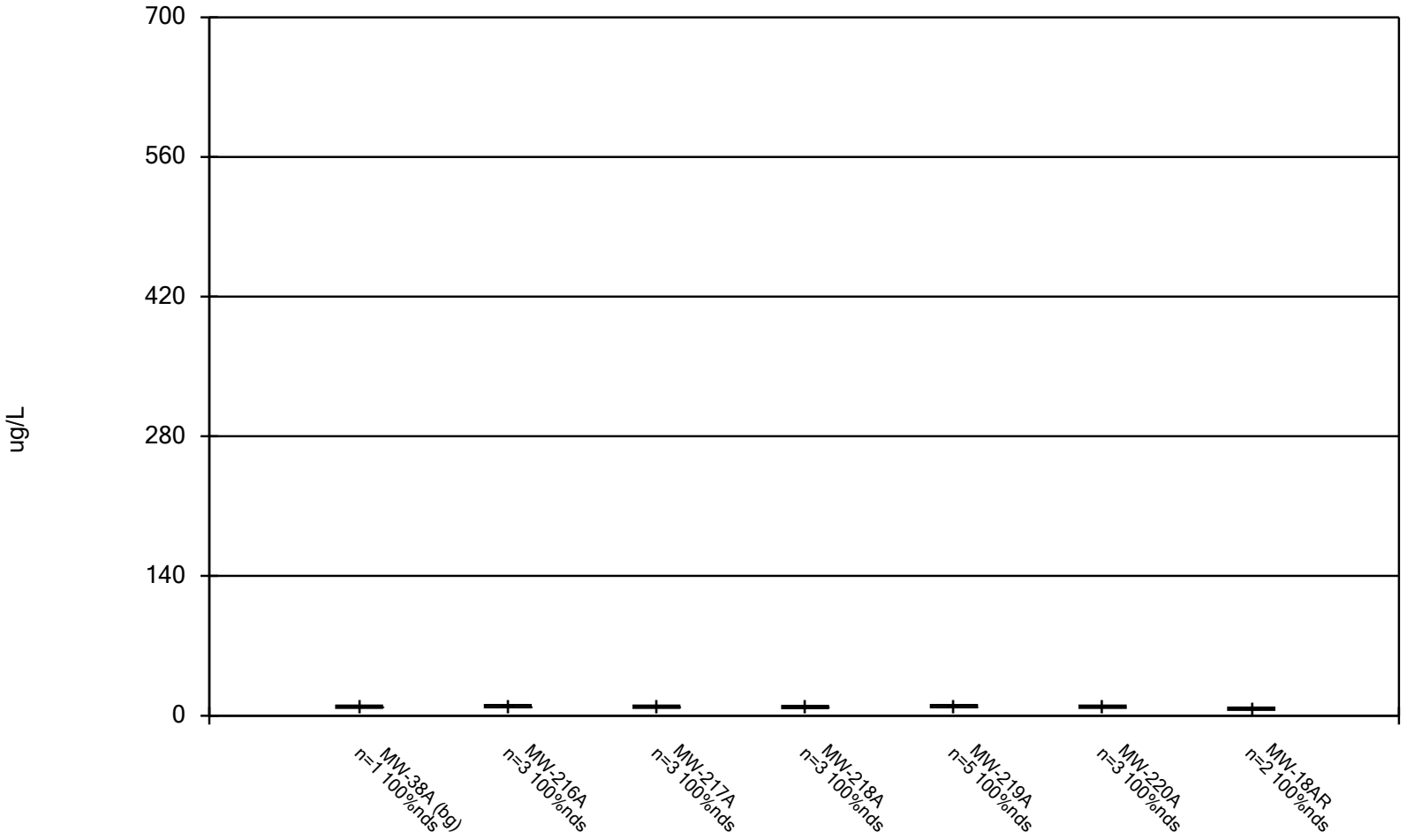


Constituent: O-Toluidine Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

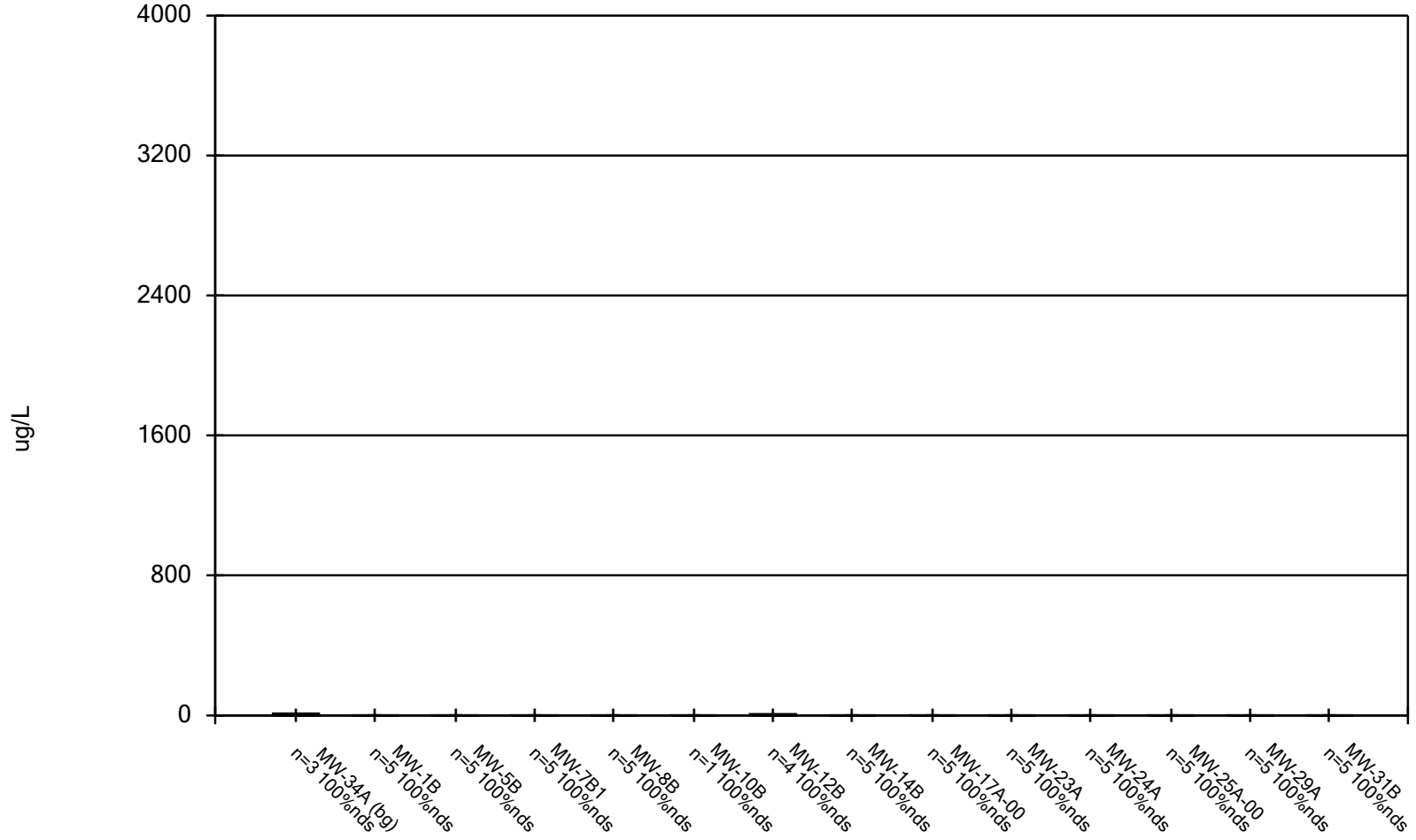


Constituent: O-Toluidine Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

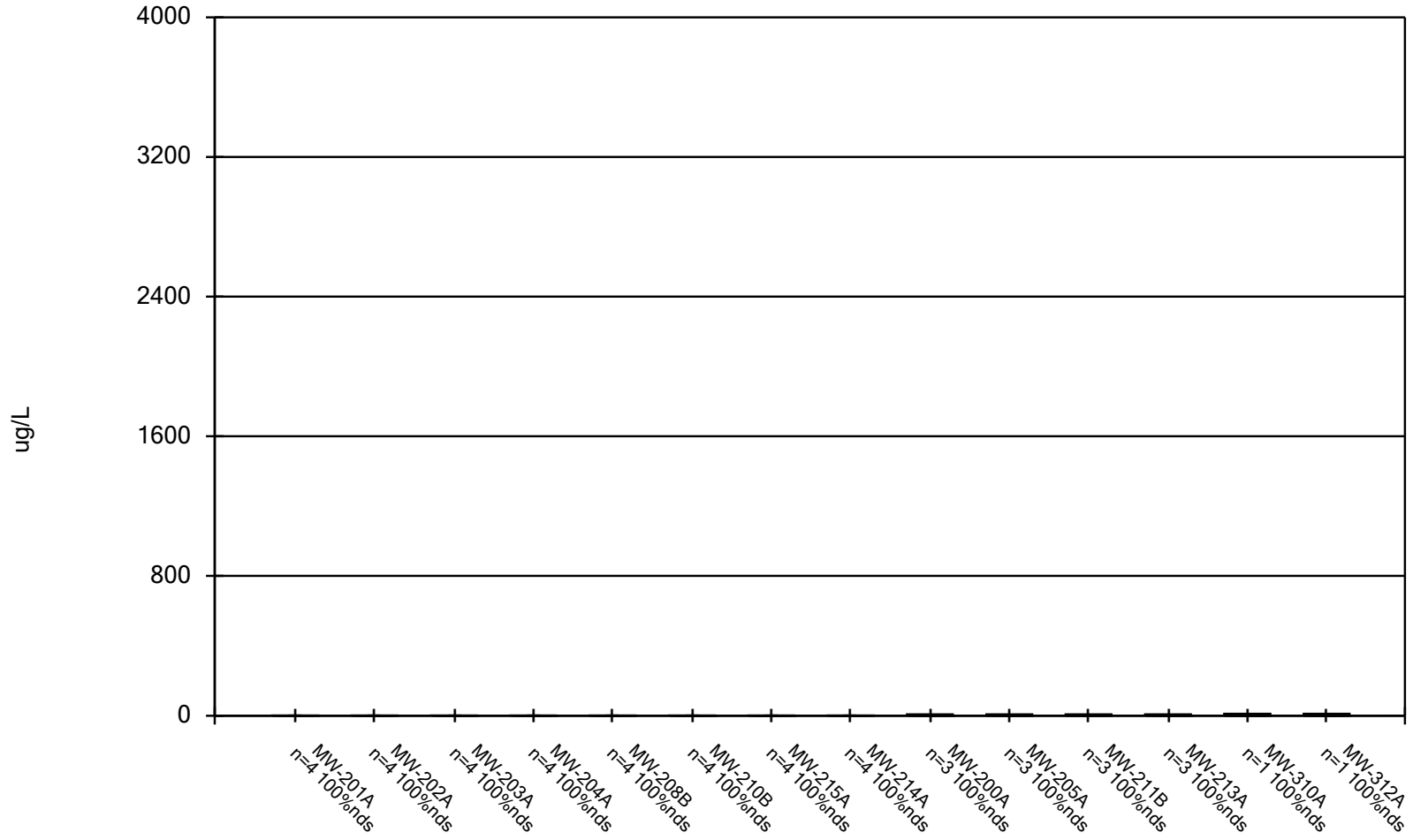


Constituent: Phenol Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

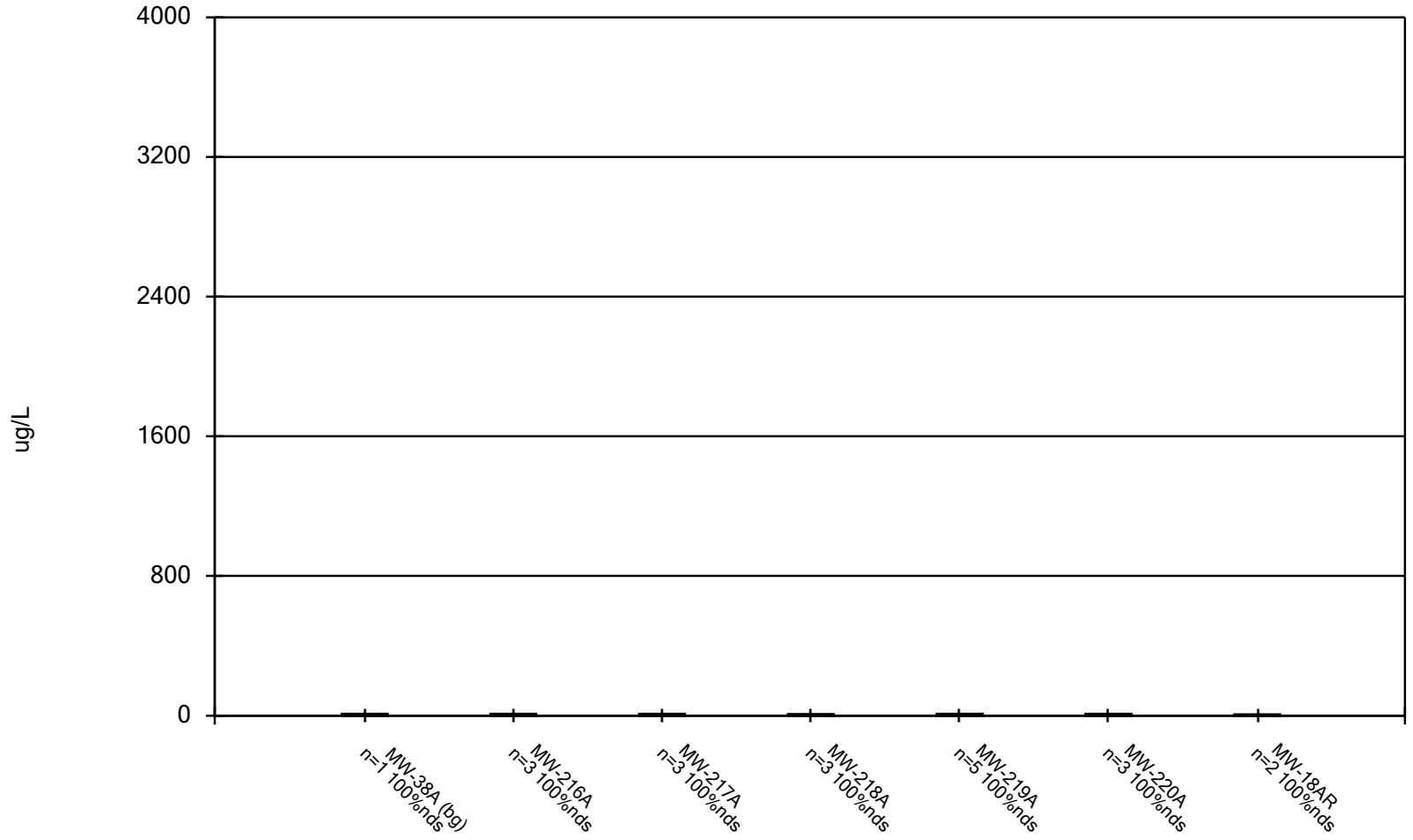


Constituent: Phenol Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

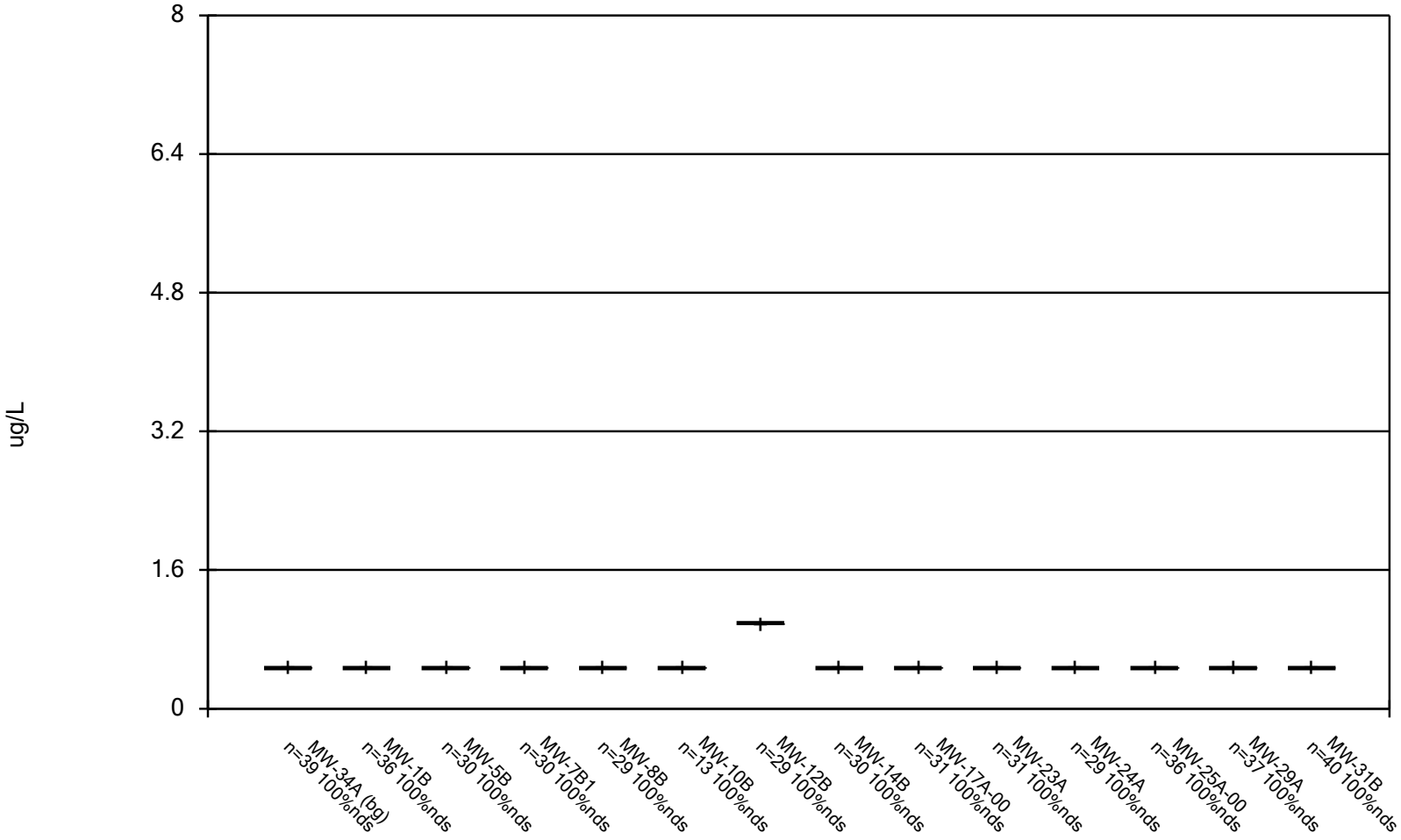


Constituent: Phenol Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

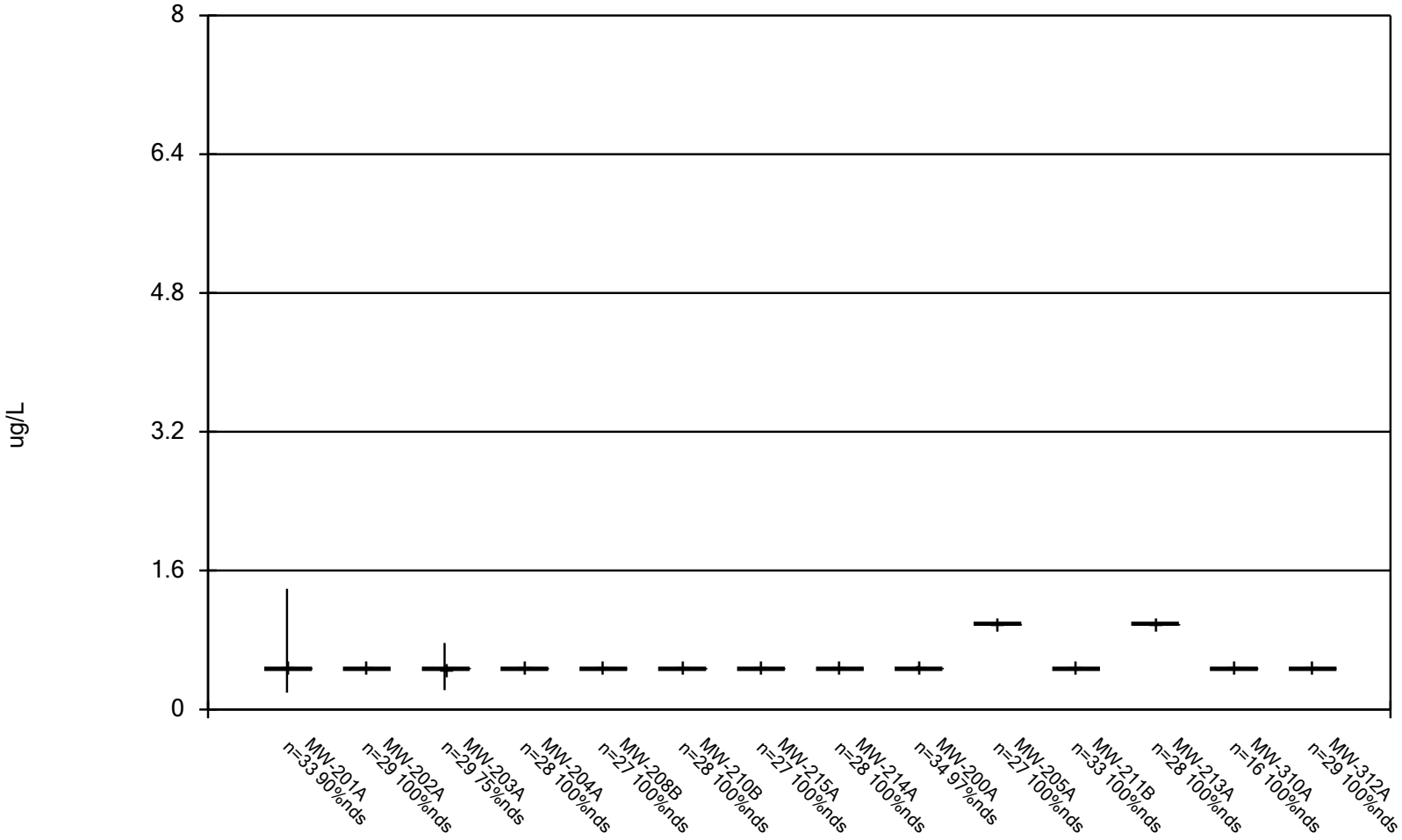


Constituent: Tetrachloroethene Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

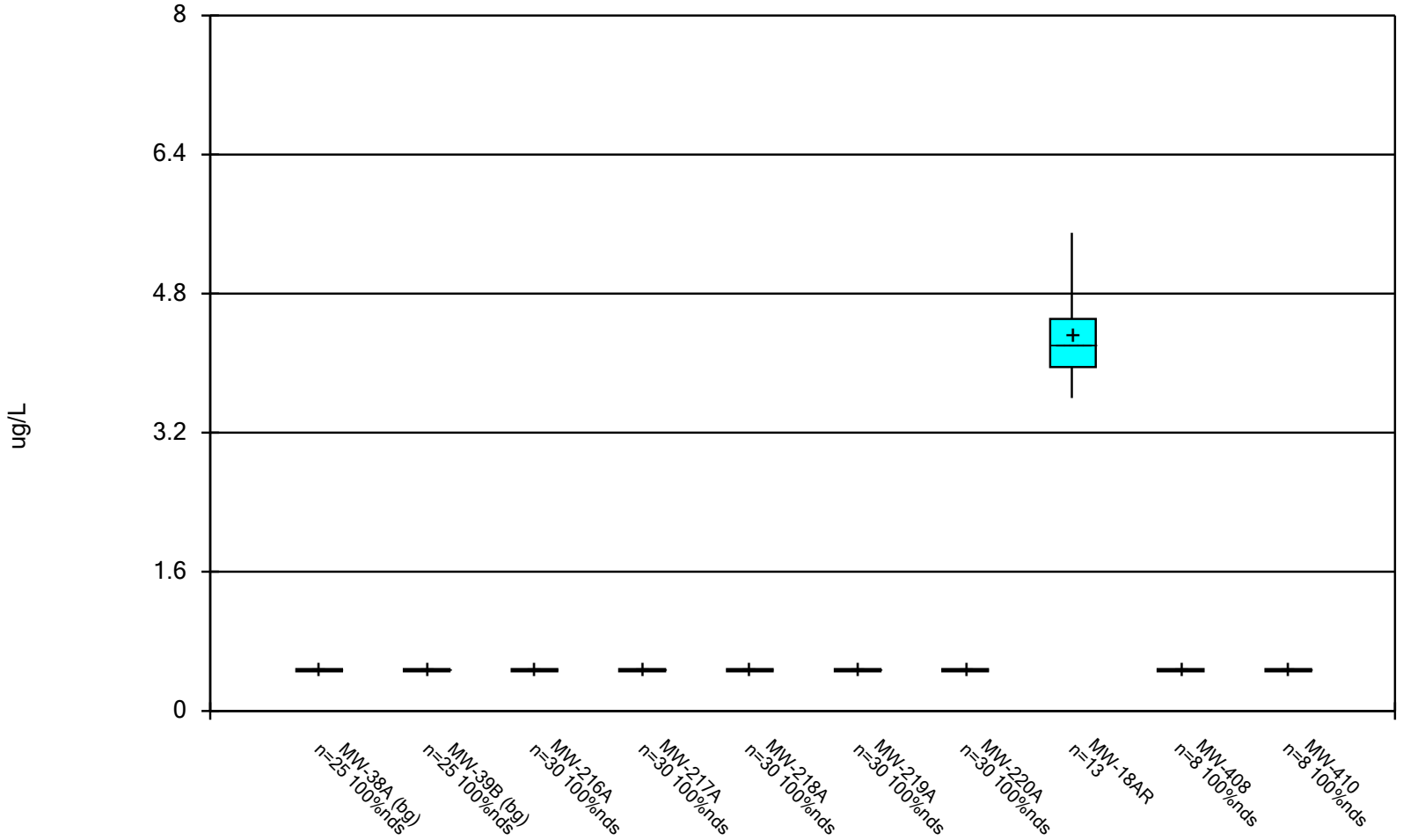


Constituent: Tetrachloroethene Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: Tetrachloroethene Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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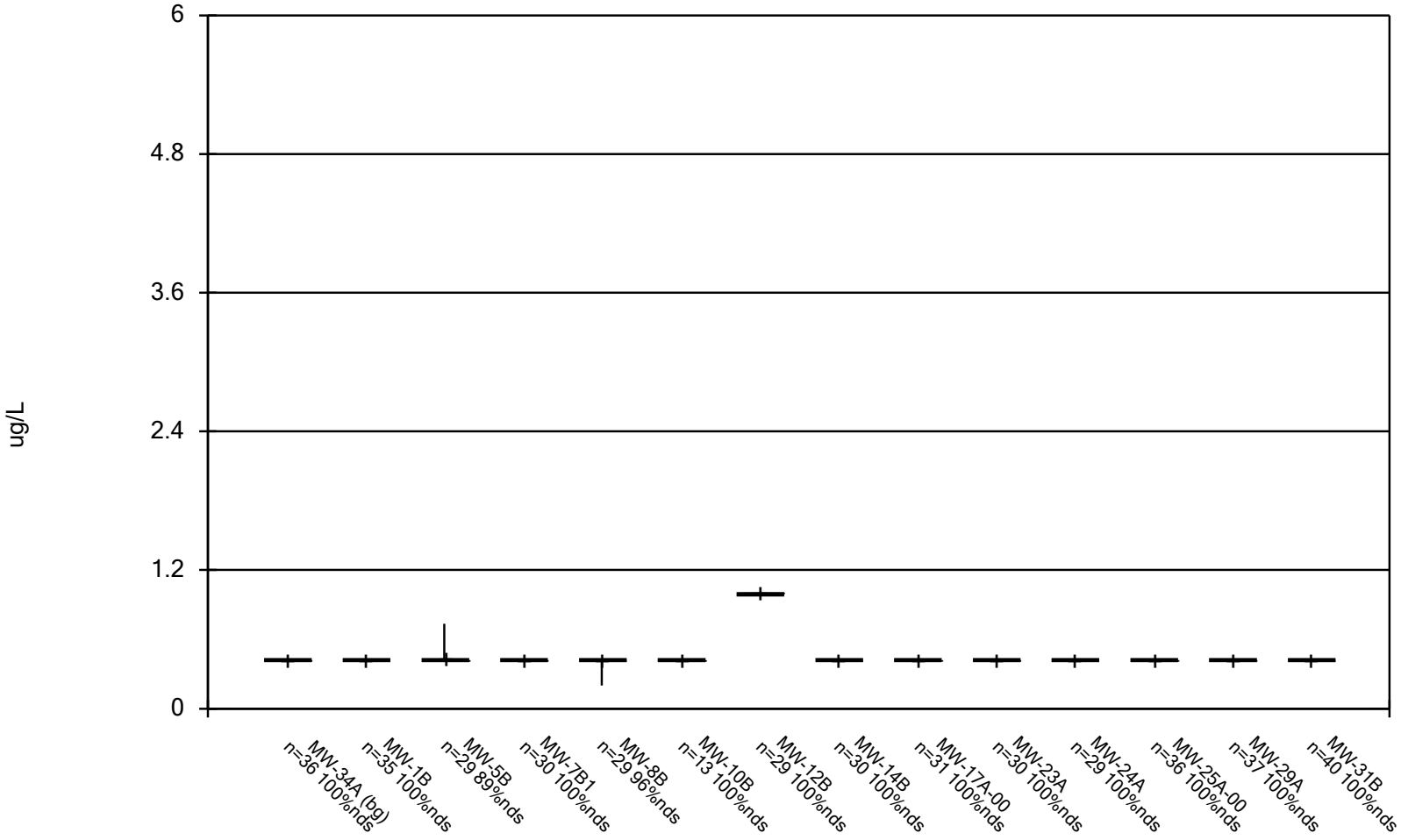
Box & Whiskers Plot

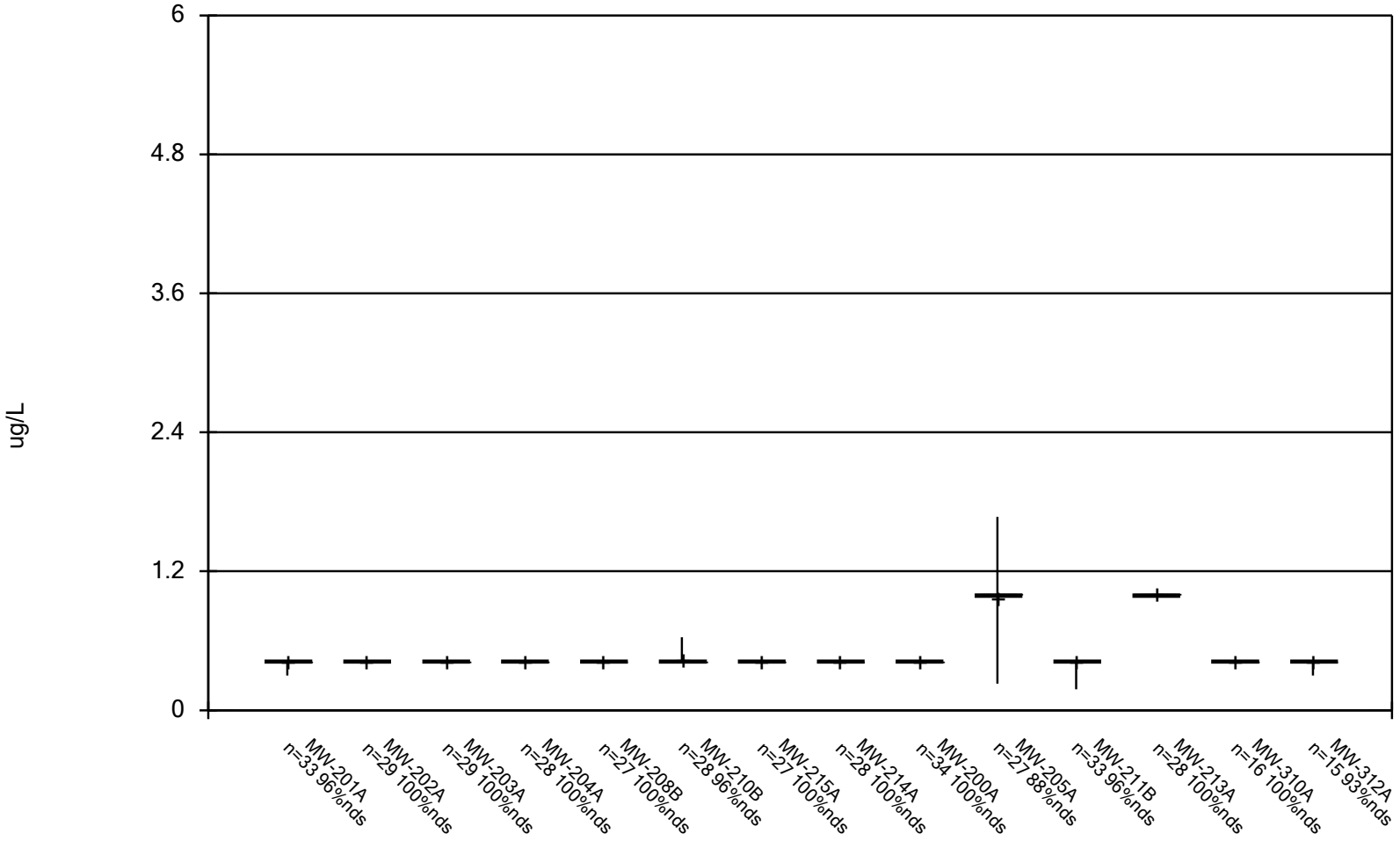


Constituent: Toluene Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

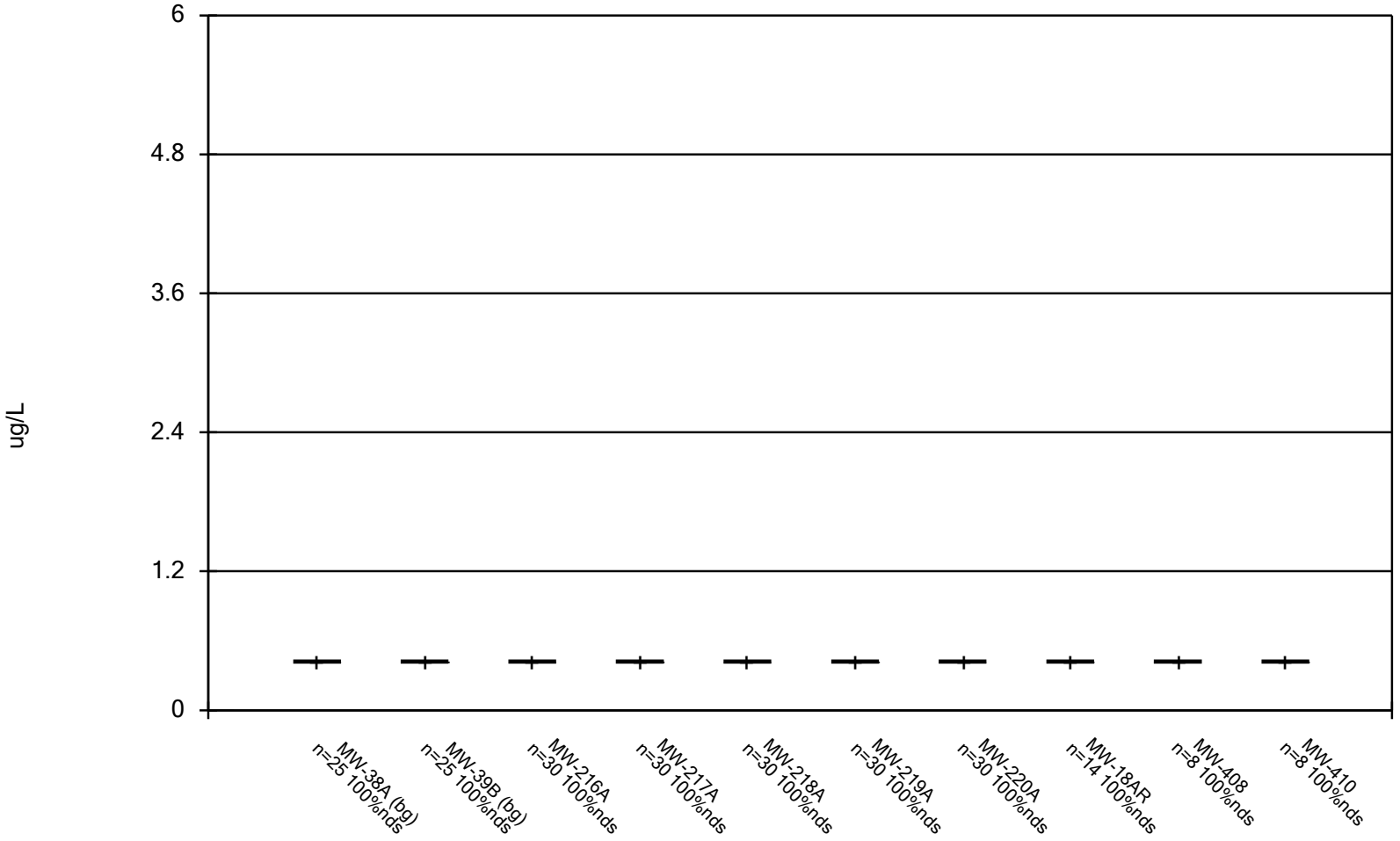


Constituent: Toluene Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot

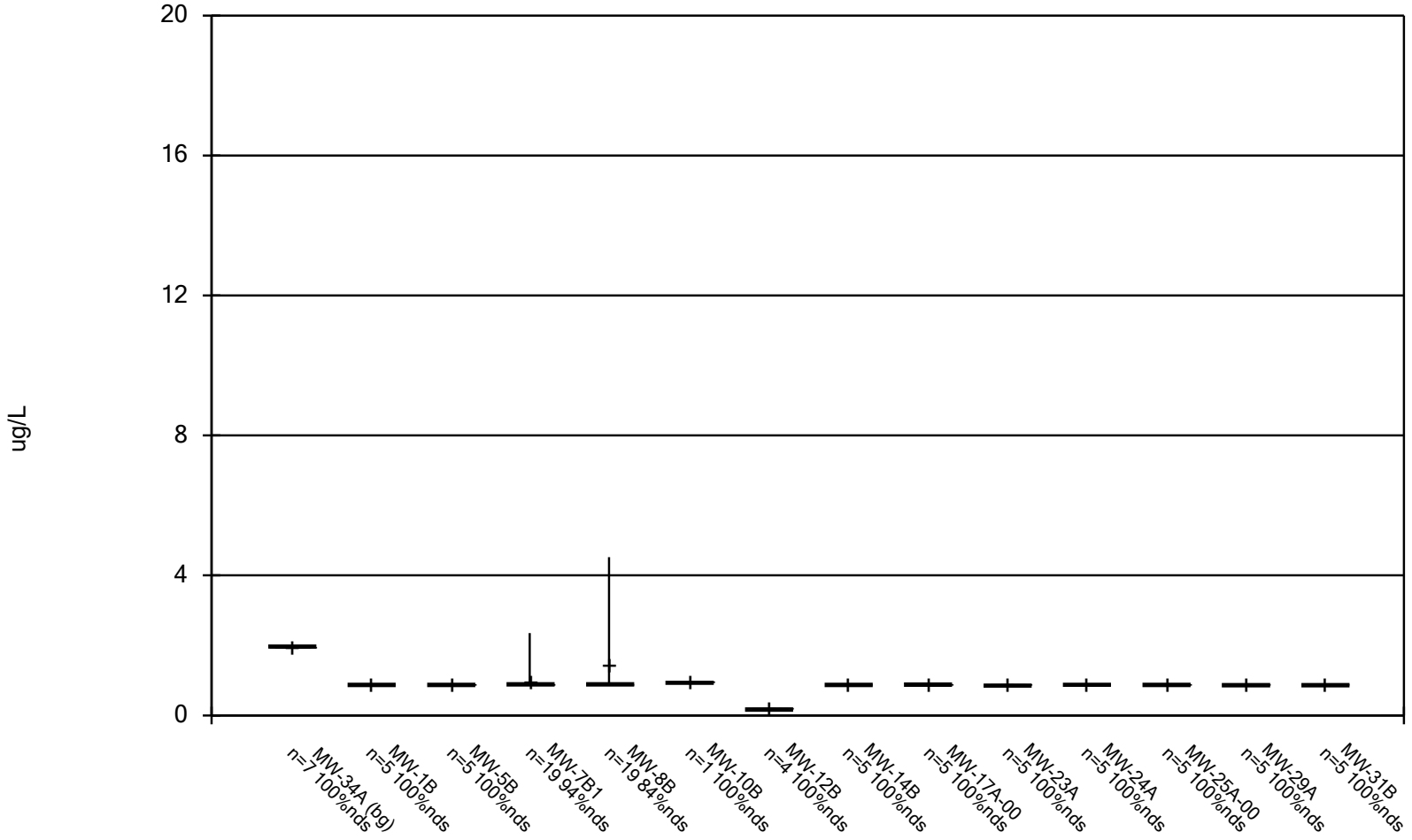


Constituent: Toluene Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: Toxaphene Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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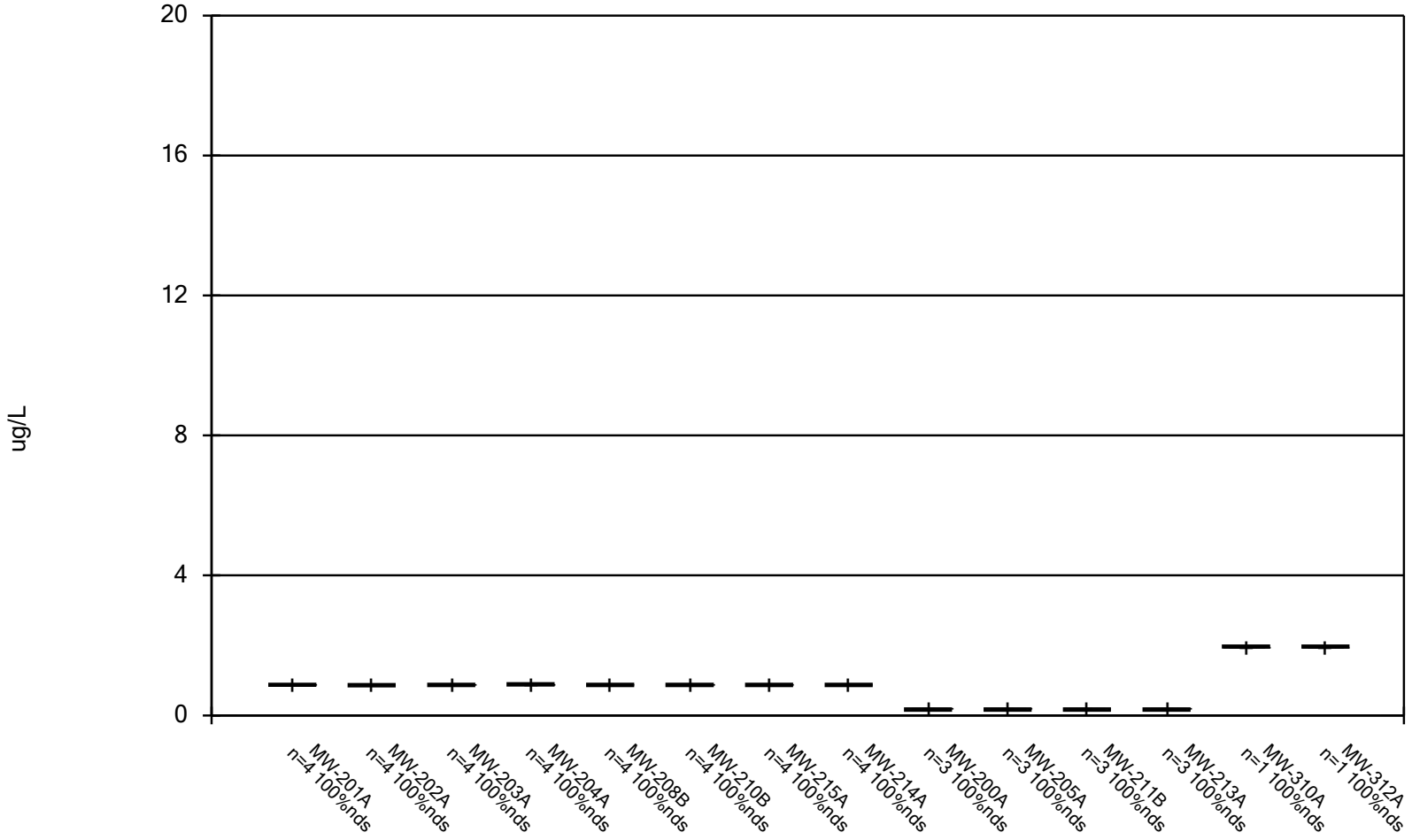
Box & Whiskers Plot

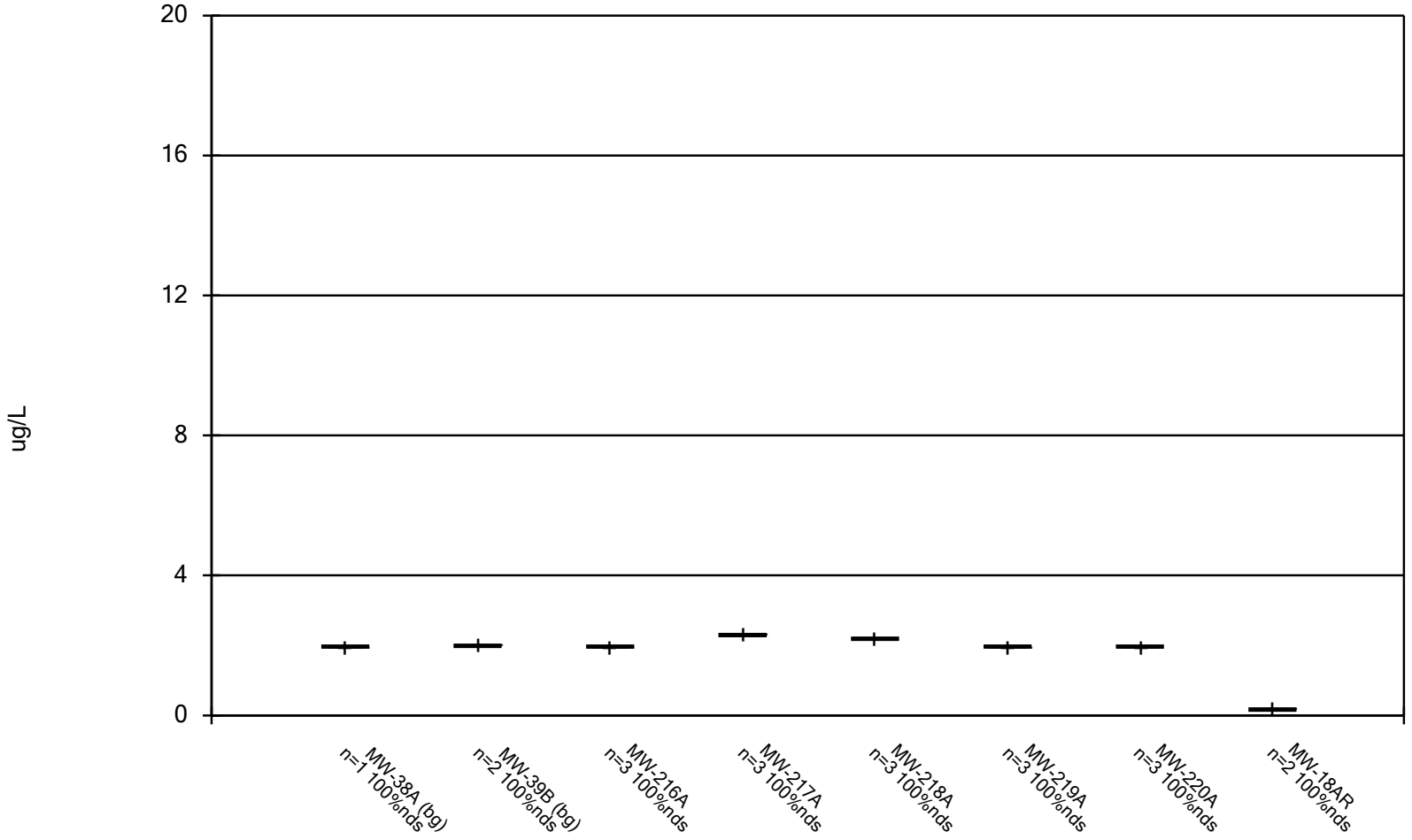


Constituent: Toxaphene Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

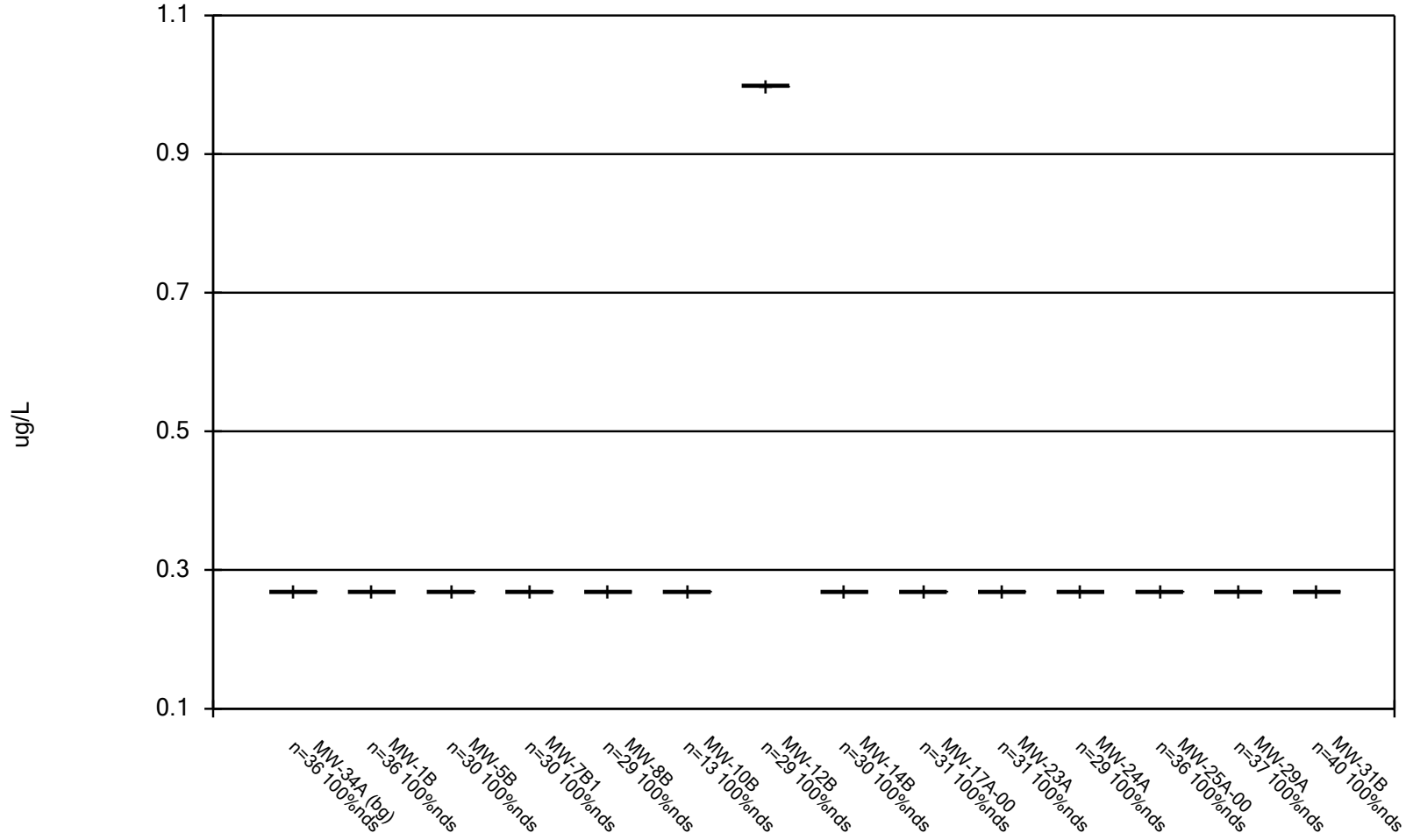
Box & Whiskers Plot



Constituent: Toxaphene Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

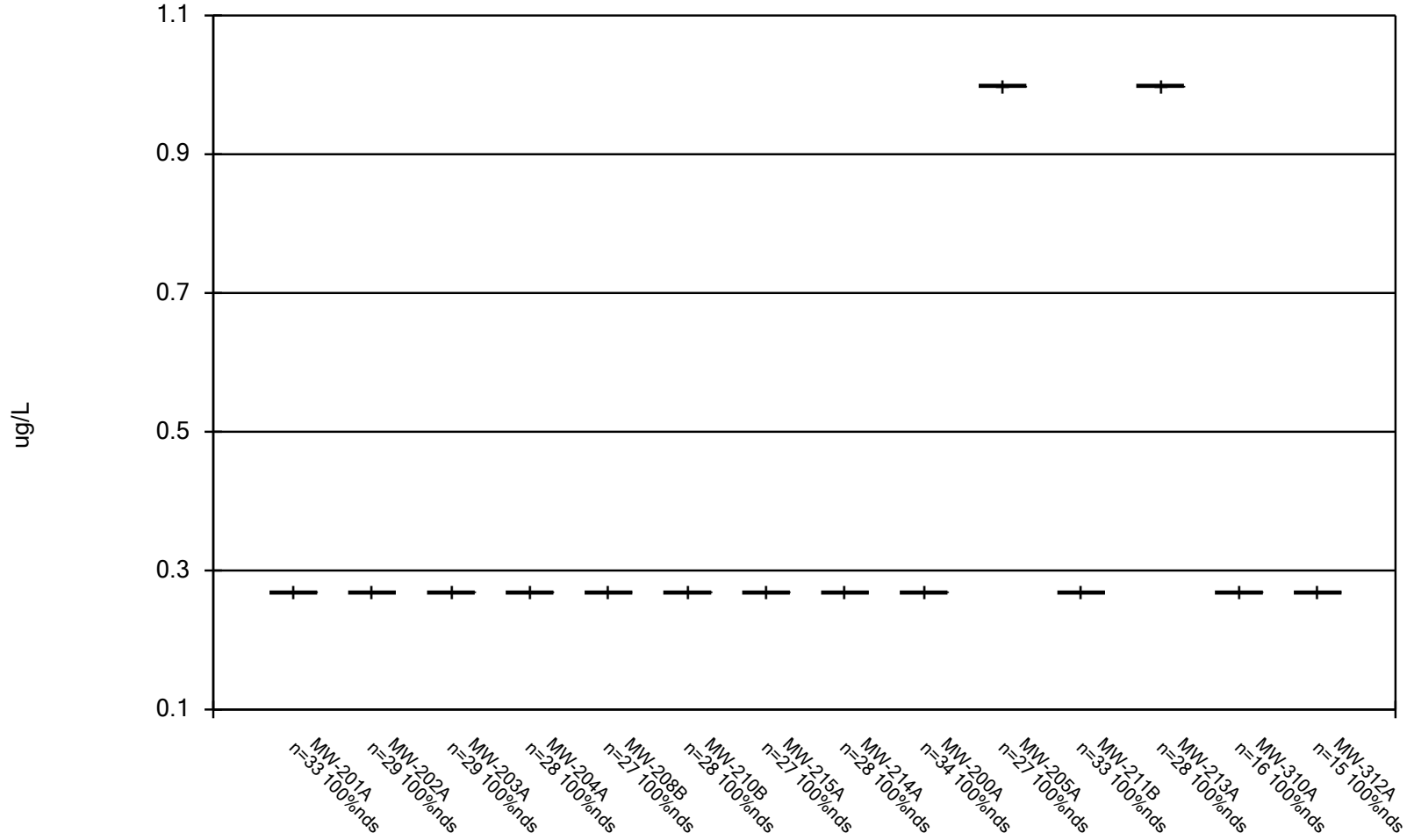
Box & Whiskers Plot



Constituent: trans-1,2-Dichloroethene Analysis Run 7/14/2025 12:14 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Box & Whiskers Plot



Constituent: trans-1,2-Dichloroethene Analysis Run 7/14/2025 12:15 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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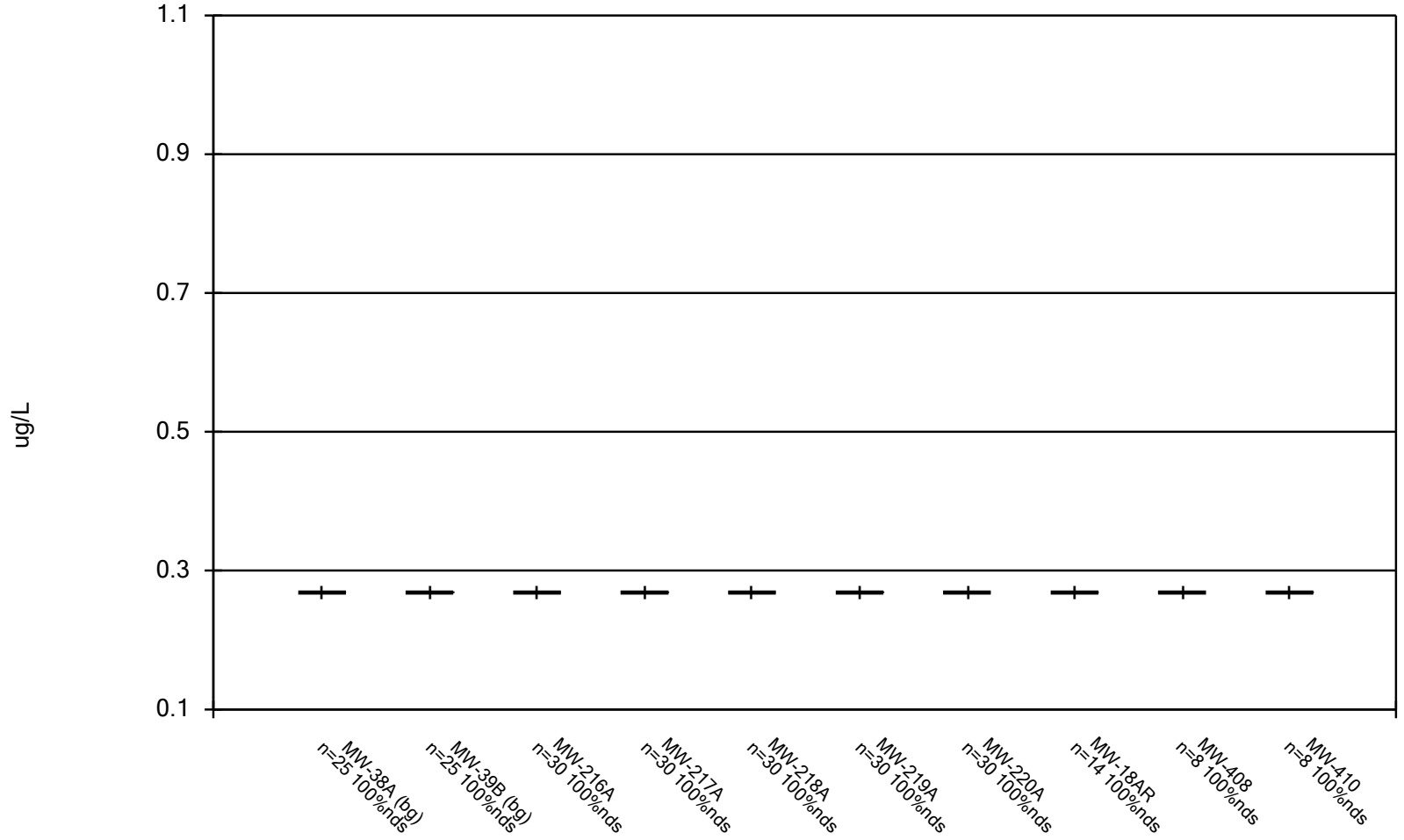
Box & Whiskers Plot

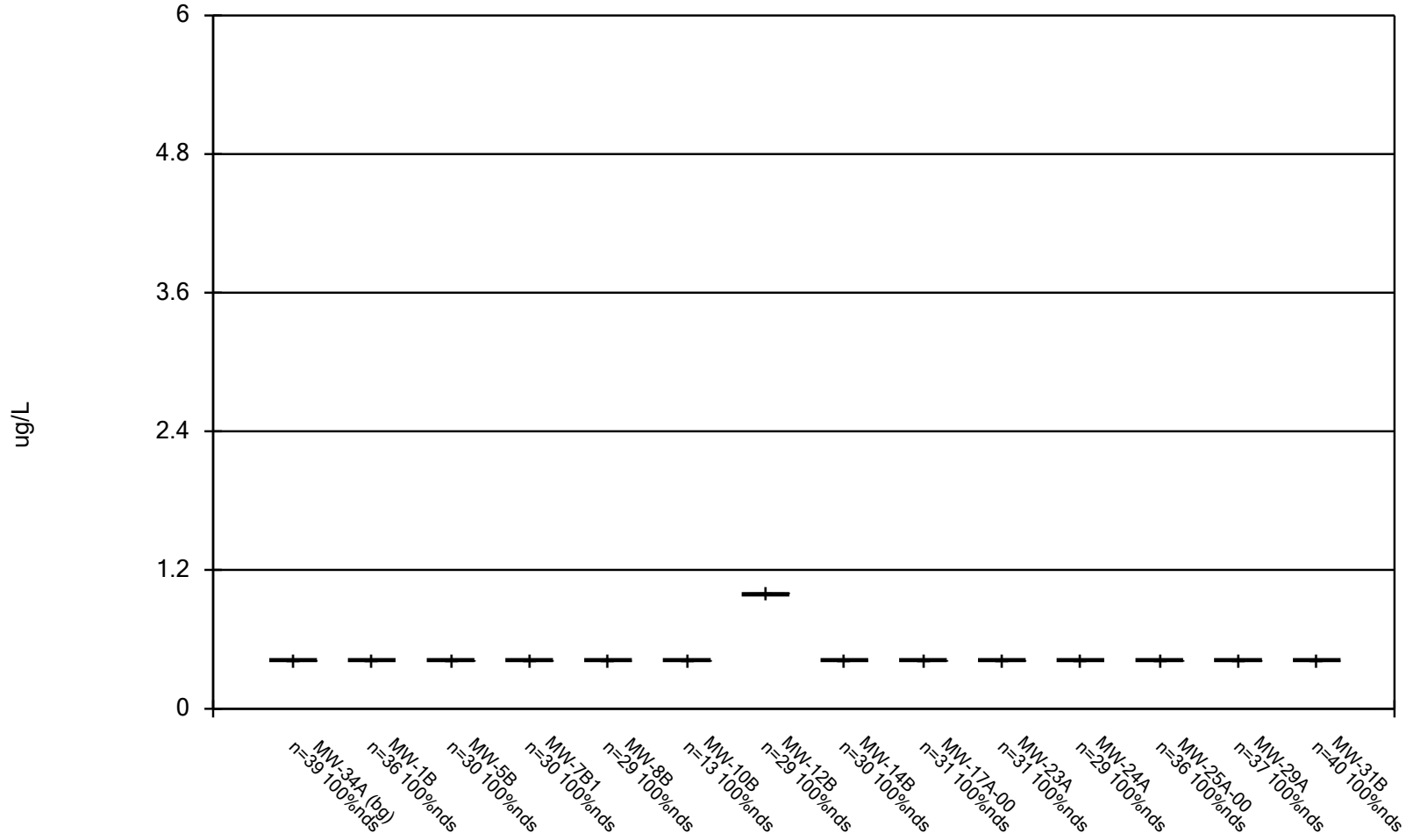


Constituent: trans-1,2-Dichloroethene Analysis Run 7/14/2025 12:15 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: Trichloroethene Analysis Run 7/14/2025 12:15 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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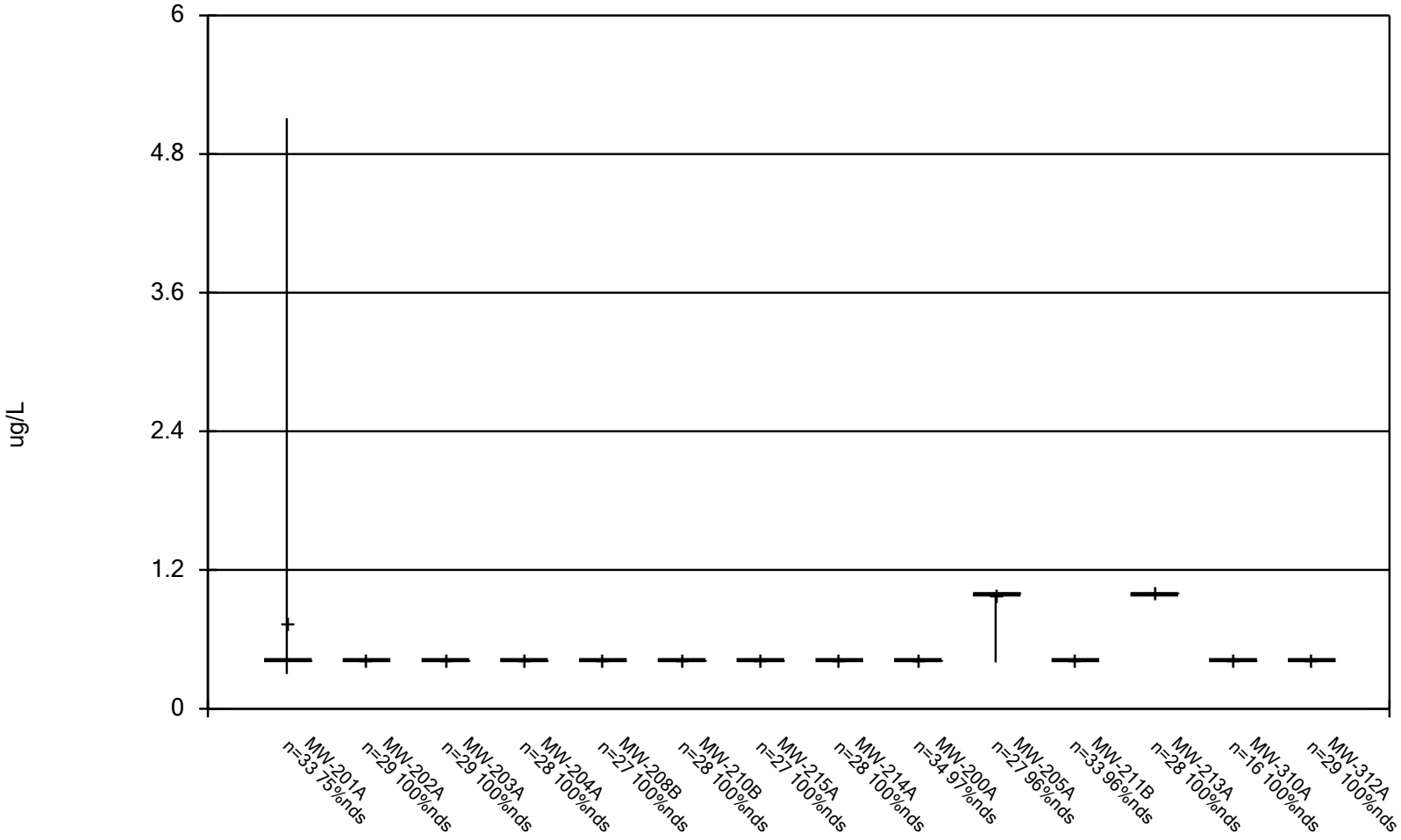
Box & Whiskers Plot



Constituent: Trichloroethene Analysis Run 7/14/2025 12:15 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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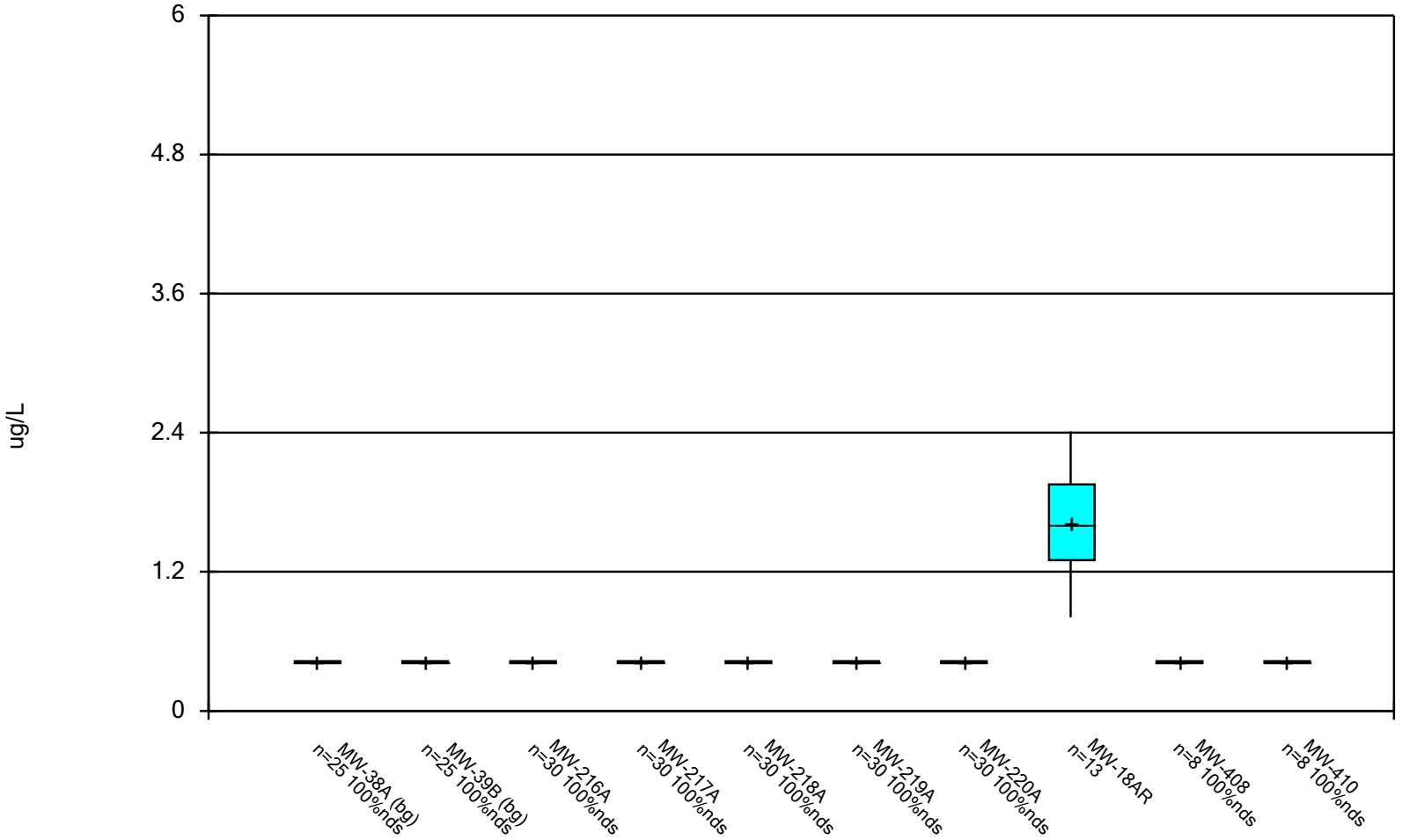
Box & Whiskers Plot



Constituent: Trichloroethene Analysis Run 7/14/2025 12:15 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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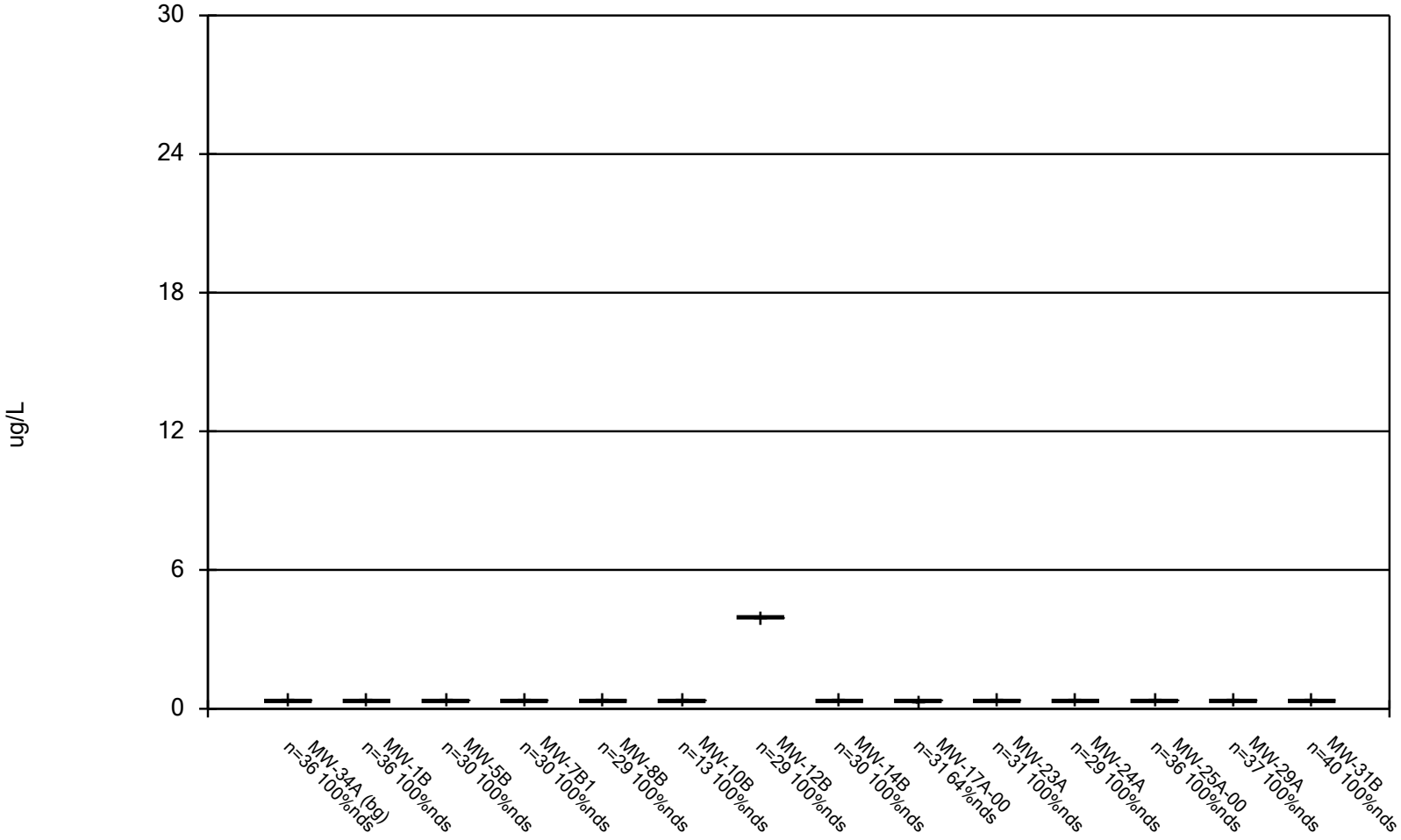
Box & Whiskers Plot



Constituent: Trichlorofluoromethane Analysis Run 7/14/2025 12:15 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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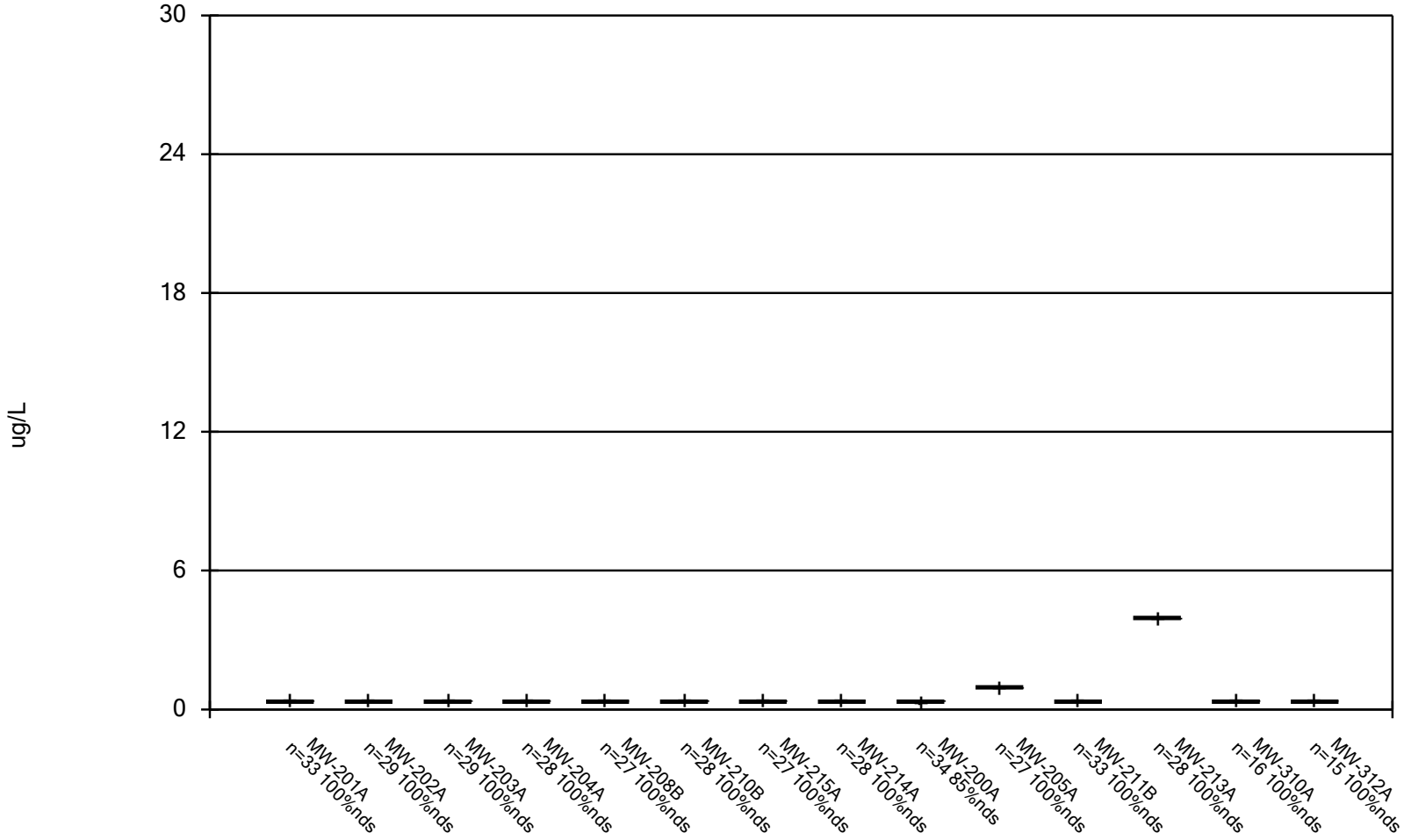
Box & Whiskers Plot



Constituent: Trichlorofluoromethane Analysis Run 7/14/2025 12:15 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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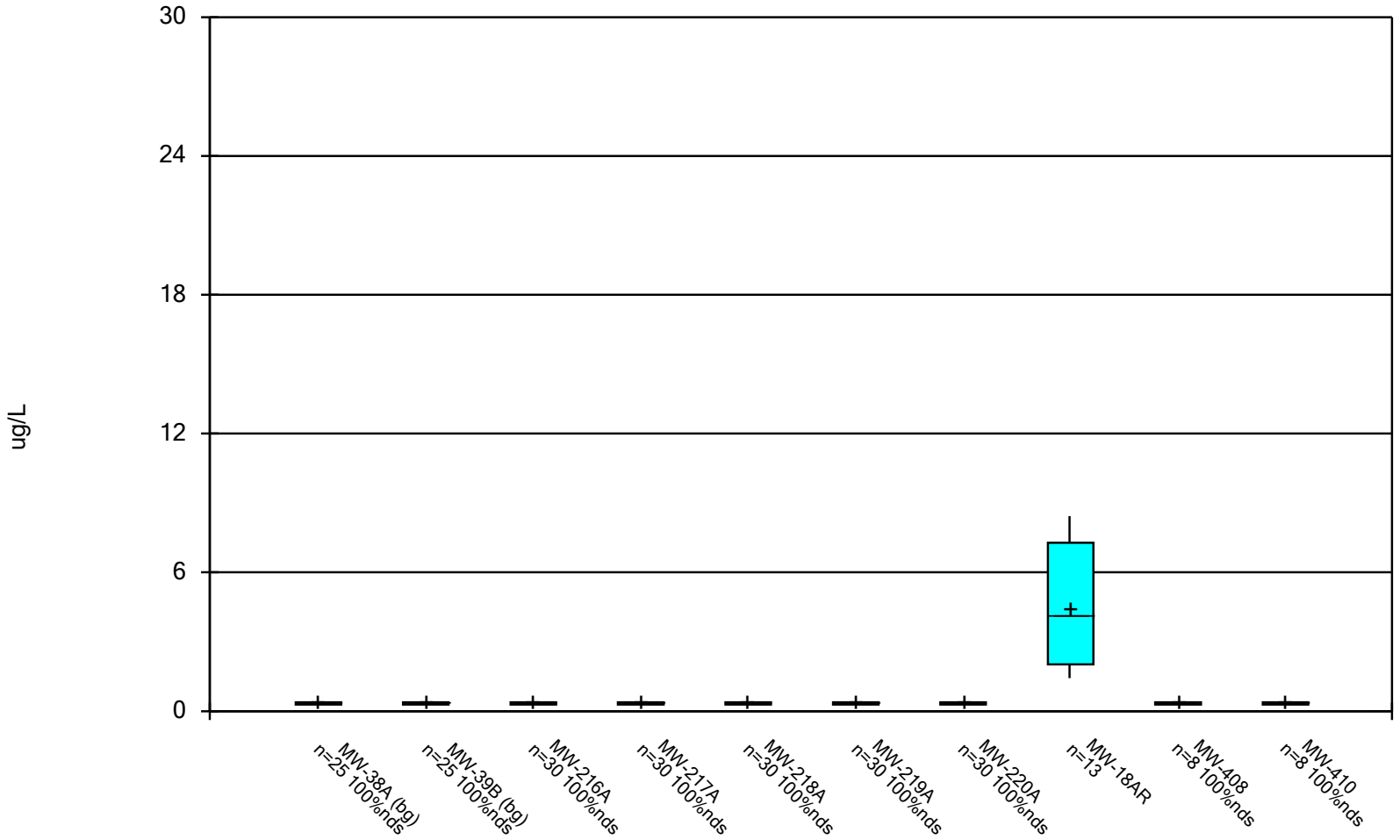
Box & Whiskers Plot



Constituent: Trichlorofluoromethane Analysis Run 7/14/2025 12:15 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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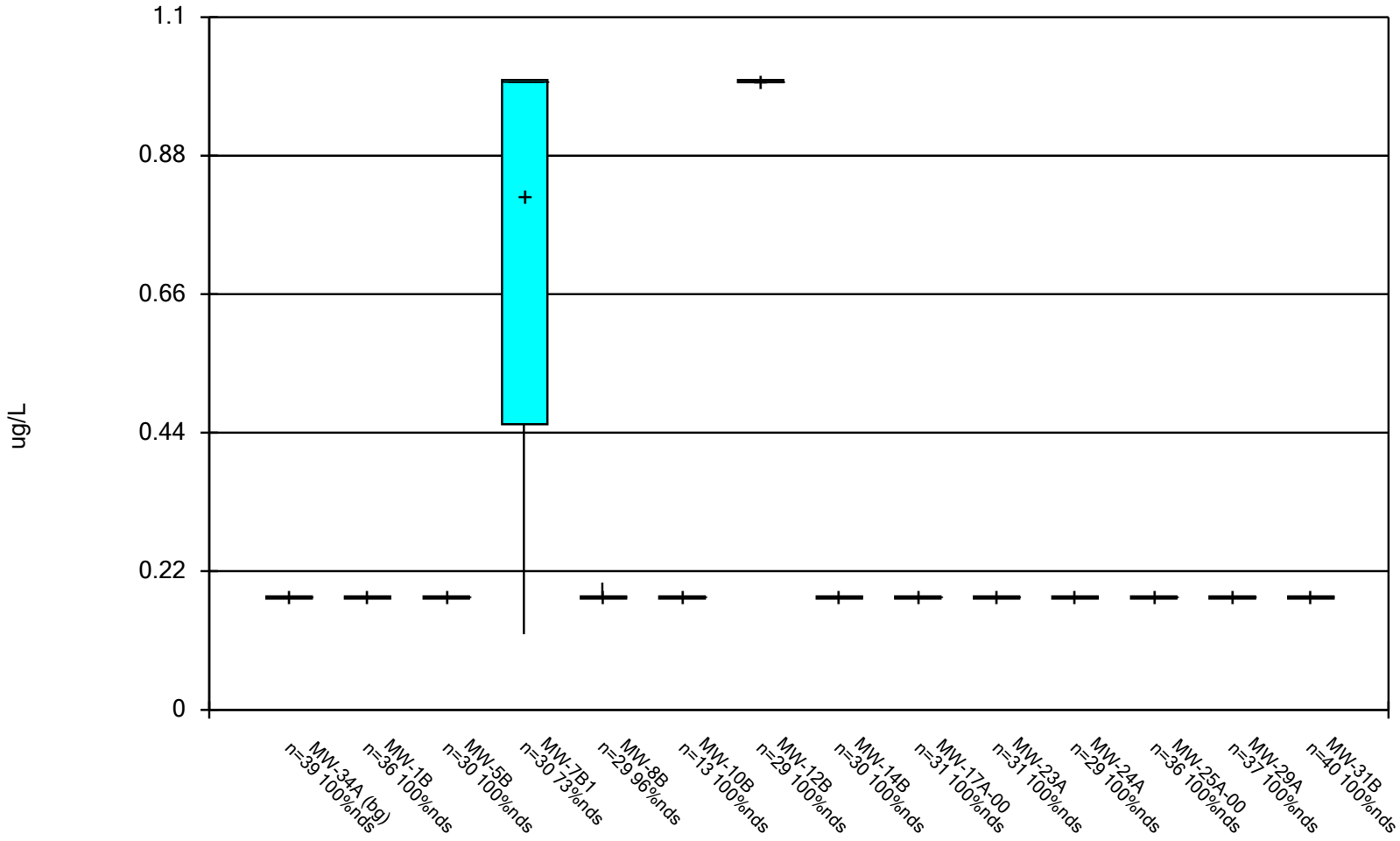
Box & Whiskers Plot



Constituent: Vinyl Chloride Analysis Run 7/14/2025 12:15 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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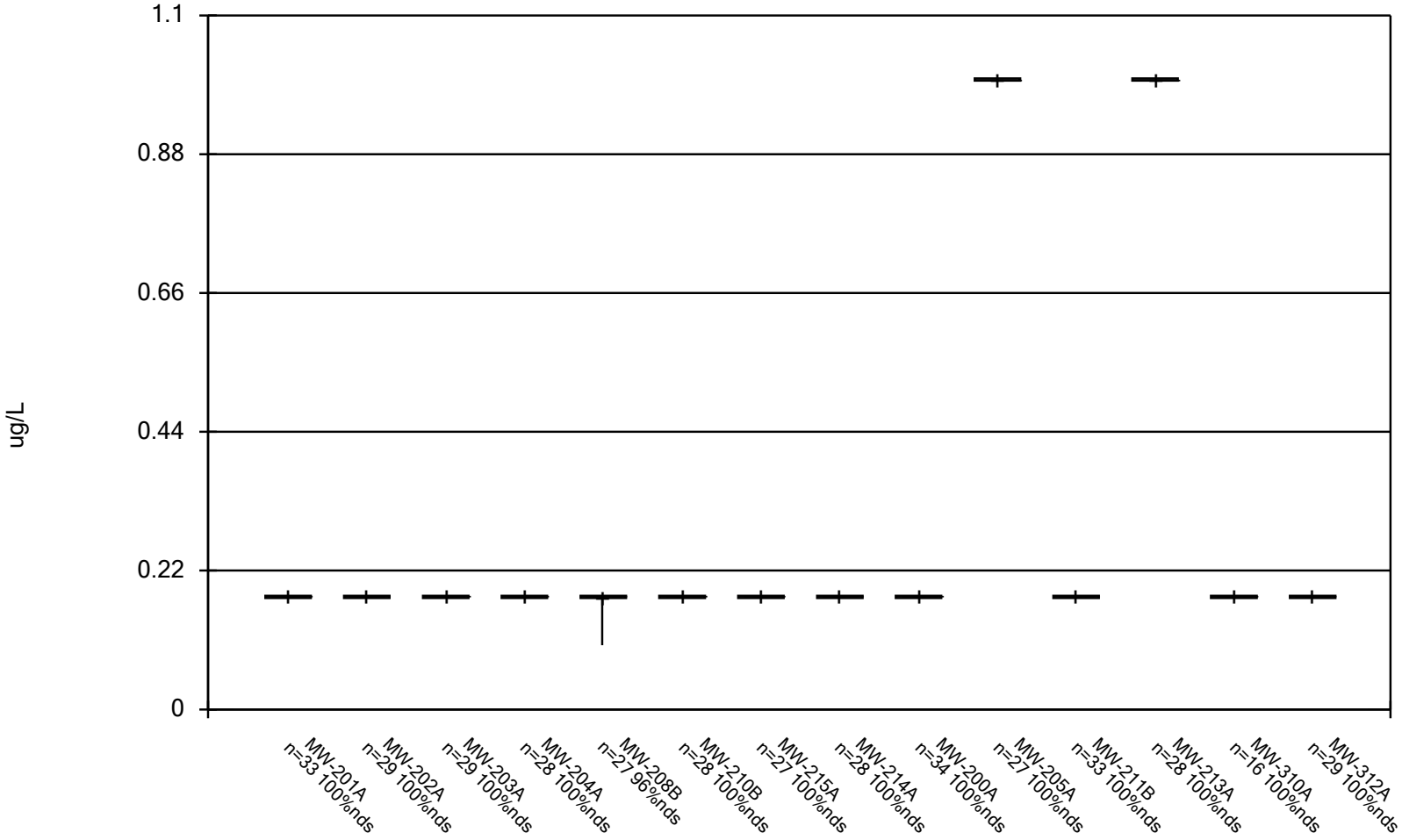
Box & Whiskers Plot



Constituent: Vinyl Chloride Analysis Run 7/14/2025 12:15 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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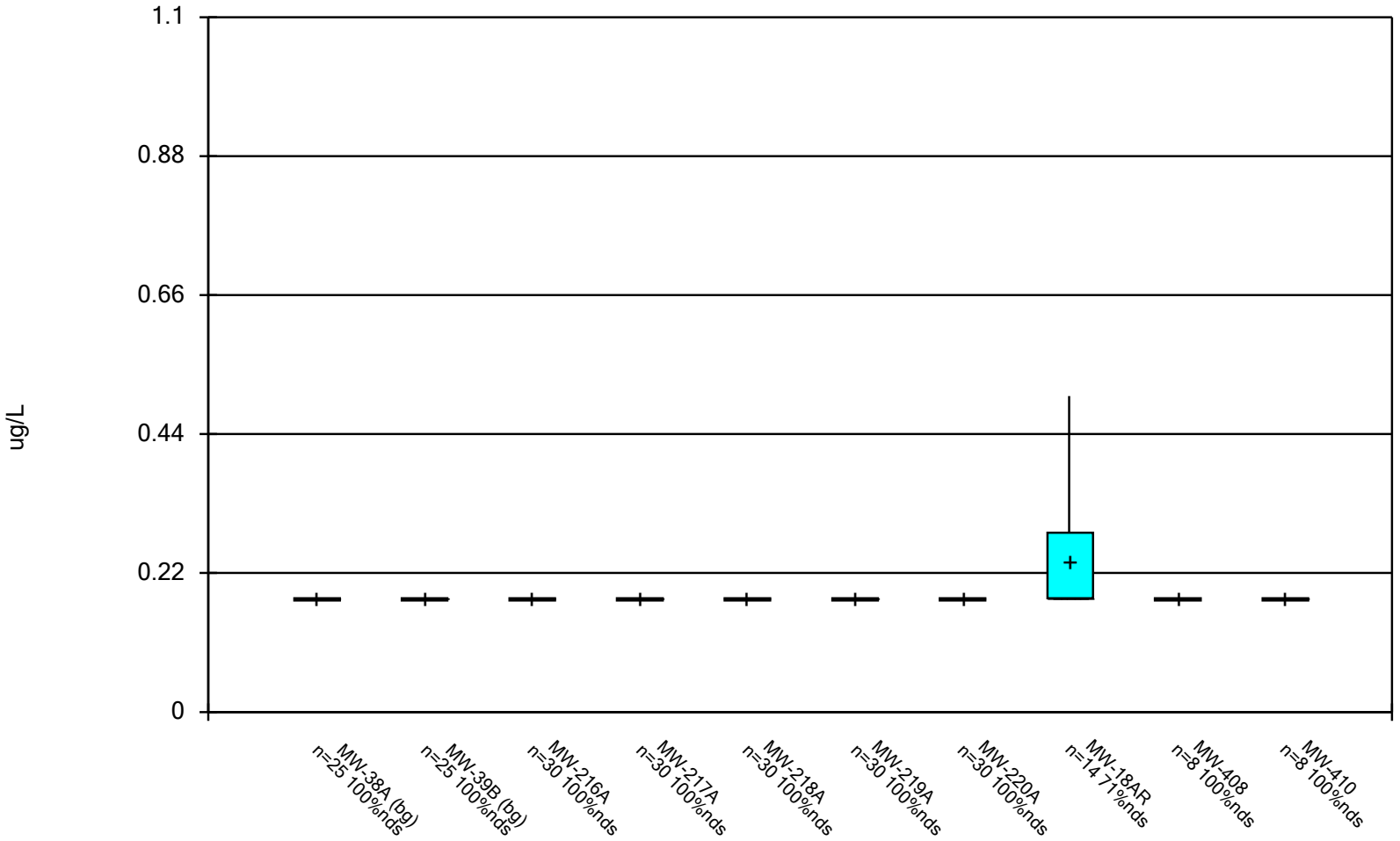
Box & Whiskers Plot



Constituent: Vinyl Chloride Analysis Run 7/14/2025 12:15 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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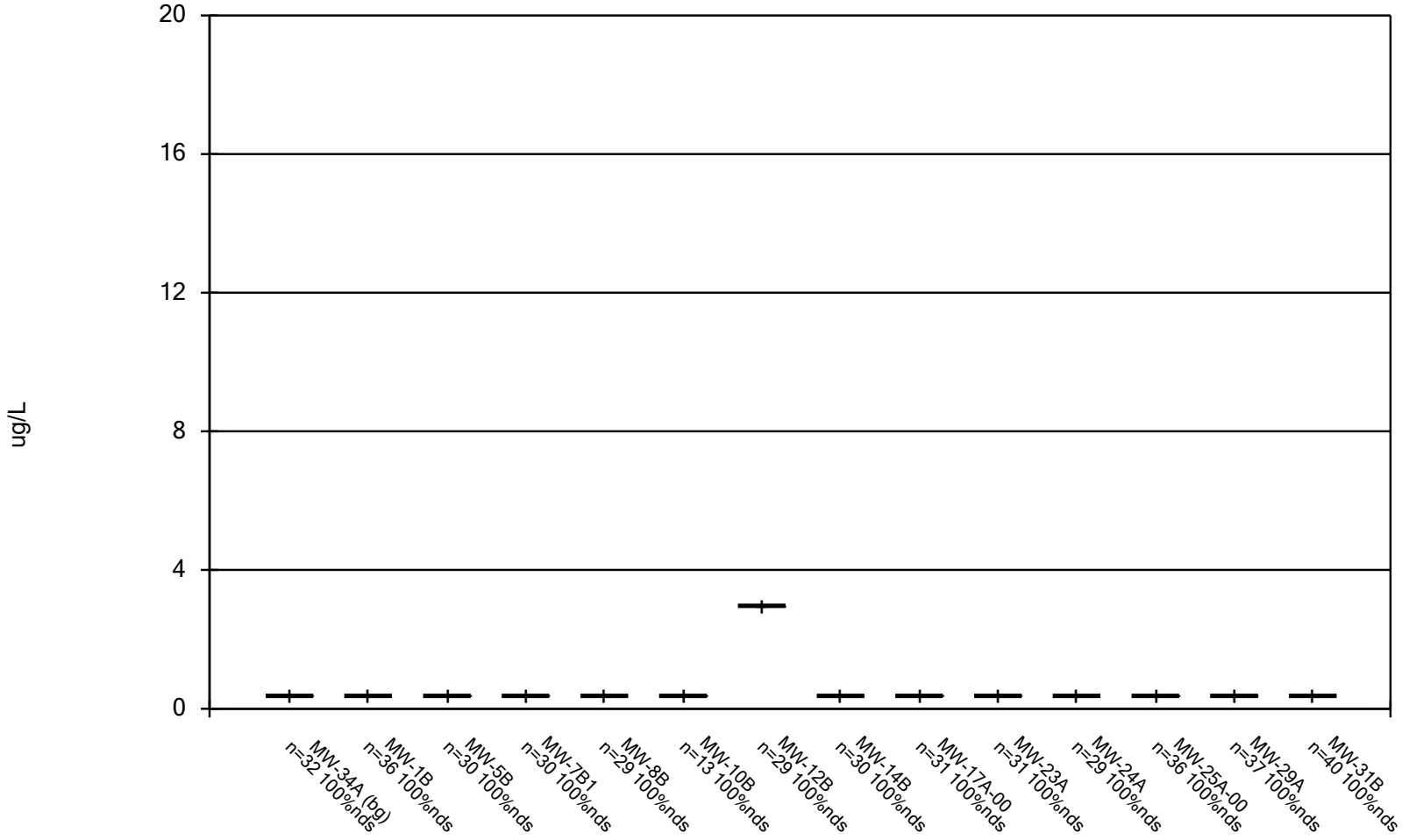
Box & Whiskers Plot

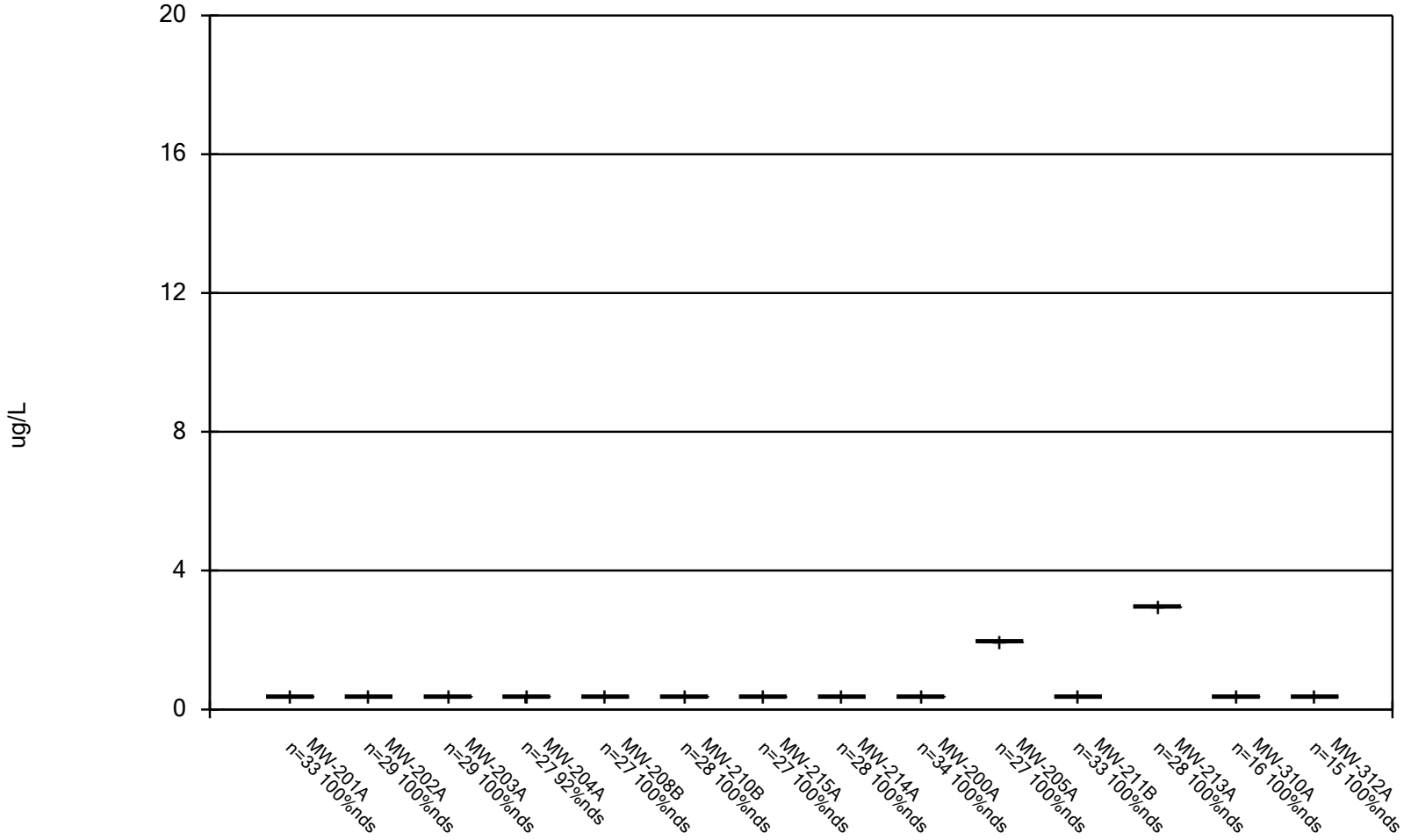


Constituent: Xylenes, Total Analysis Run 7/14/2025 12:15 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG

Box & Whiskers Plot



Constituent: Xylenes, Total Analysis Run 7/14/2025 12:15 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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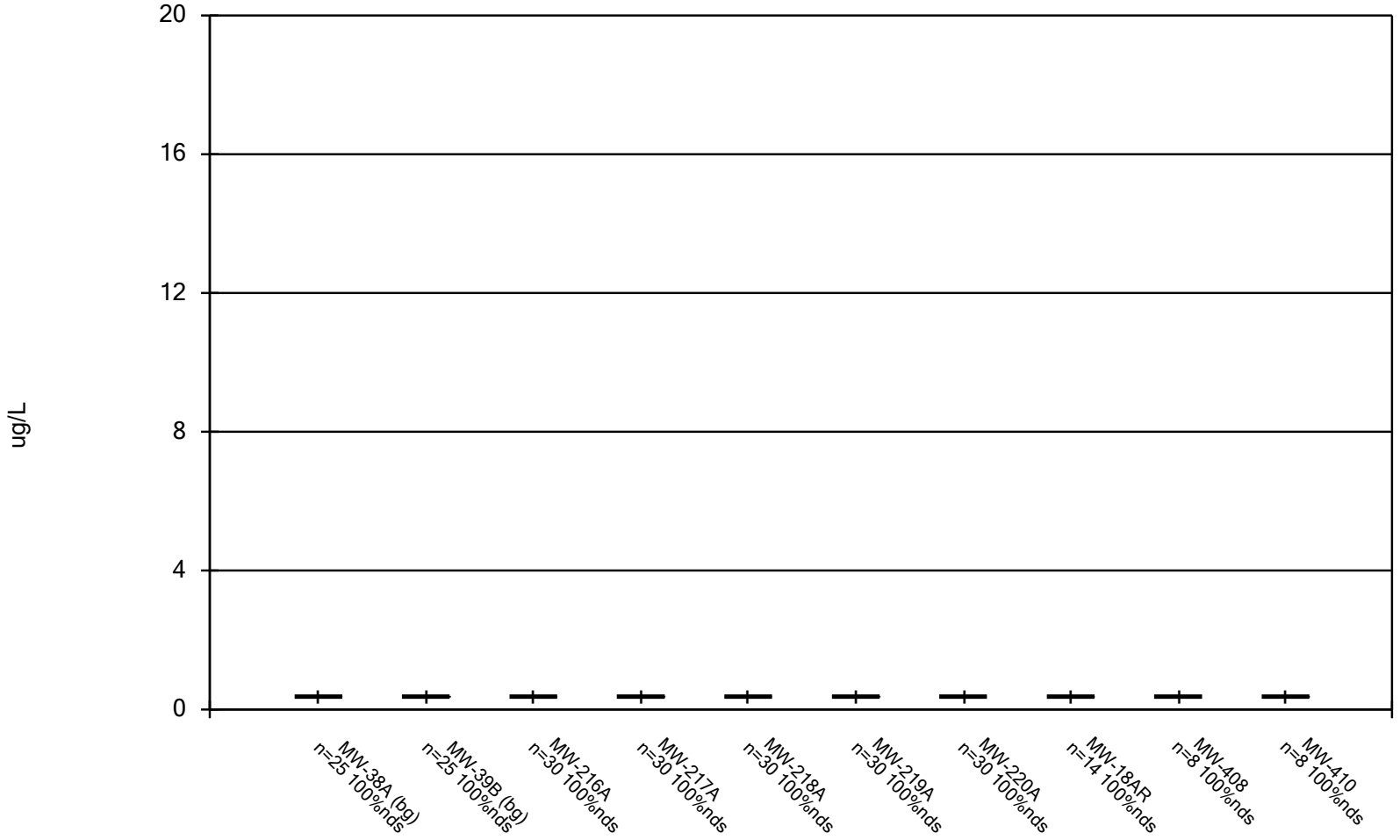
Box & Whiskers Plot



Constituent: Xylenes, Total Analysis Run 7/14/2025 12:15 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
1,1,1-Trichloroethane ...	MW-34A (bg)	36	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-1B	36	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-5B	30	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-7B1	30	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-8B	29	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-10B	13	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-12B	29	1	0	0	1	1	1	100
1,1,1-Trichloroethane ...	MW-14B	30	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-17A-00	31	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-23A	31	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-24A	29	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-25A-00	36	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-29A	37	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-31B	40	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-201A	33	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-202A	29	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-203A	29	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-204A	28	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-208B	27	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-210B	28	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-215A	27	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-214A	28	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-200A	34	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-205A	27	1	0	0	1	1	1	100
1,1,1-Trichloroethane ...	MW-211B	33	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-213A	28	1	0	0	1	1	1	100
1,1,1-Trichloroethane ...	MW-310A	16	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-312A	15	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-38A (bg)	25	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-39B (bg)	25	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-216A	30	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-217A	30	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-218A	30	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-219A	30	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-220A	30	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-18AR	14	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-408	8	0.19	0	0	0.19	0.19	0.19	100
1,1,1-Trichloroethane ...	MW-410	8	0.19	0	0	0.19	0.19	0.19	100
1,1-Dichloroethane (ug/L)	MW-34A (bg)	39	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-1B	36	0.2204	0.002333	0.0003889	0.22	0.22	0.234	97.22
1,1-Dichloroethane (ug/L)	MW-5B	30	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-7B1	30	1.488	0.4584	0.08369	1.46	0.456	2.15	16.67
1,1-Dichloroethane (ug/L)	MW-8B	33	3.361	3.05	0.531	2.23	0.22	12.6	18.18
1,1-Dichloroethane (ug/L)	MW-10B	13	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-12B	33	1.412	0.9122	0.1588	1	0.267	3.2	27.27
1,1-Dichloroethane (ug/L)	MW-14B	30	0.9267	0.2433	0.04441	1	0.292	1.33	40
1,1-Dichloroethane (ug/L)	MW-17A-00	31	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-23A	31	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-24A	29	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-25A-00	36	0.22	0	0	0.22	0.22	0.22	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
1,1-Dichloroethane (ug/L)	MW-29A	37	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-31B	40	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-201A	32	0.621	0.8579	0.1517	0.22	0.22	3.35	71.88
1,1-Dichloroethane (ug/L)	MW-202A	29	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-203A	29	0.2218	0.009842	0.001828	0.22	0.22	0.273	96.55
1,1-Dichloroethane (ug/L)	MW-204A	28	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-208B	27	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-210B	28	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-215A	27	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-214A	28	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-200A	34	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-205A	27	1	0	0	1	1	1	100
1,1-Dichloroethane (ug/L)	MW-211B	33	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-213A	28	1	0	0	1	1	1	100
1,1-Dichloroethane (ug/L)	MW-310A	16	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-312A	15	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-38A (bg)	25	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-39B (bg)	25	0.2211	0.0054	0.00108	0.22	0.22	0.247	96
1,1-Dichloroethane (ug/L)	MW-216A	30	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-217A	30	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-218A	30	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-219A	30	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-220A	30	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-18AR	14	0.6126	0.3315	0.0886	0.5115	0.22	1.19	21.43
1,1-Dichloroethane (ug/L)	MW-408	8	0.22	0	0	0.22	0.22	0.22	100
1,1-Dichloroethane (ug/L)	MW-410	8	0.22	0	0	0.22	0.22	0.22	100
1,2-Dichloroethane (ug/L)	MW-34A (bg)	36	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-1B	36	0.3958	0.03467	0.005778	0.39	0.39	0.598	97.22
1,2-Dichloroethane (ug/L)	MW-5B	30	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-7B1	30	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-8B	29	0.3763	0.05134	0.009533	0.39	0.186	0.39	93.1
1,2-Dichloroethane (ug/L)	MW-10B	13	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-12B	29	1	0	0	1	1	1	100
1,2-Dichloroethane (ug/L)	MW-14B	30	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-17A-00	31	0.3835	0.03628	0.006516	0.39	0.188	0.39	96.77
1,2-Dichloroethane (ug/L)	MW-23A	31	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-24A	29	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-25A-00	36	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-29A	37	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-31B	40	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-201A	33	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-202A	29	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-203A	29	0.3836	0.03454	0.006414	0.39	0.204	0.39	96.55
1,2-Dichloroethane (ug/L)	MW-204A	28	0.3904	0.01835	0.003468	0.39	0.339	0.469	89.29
1,2-Dichloroethane (ug/L)	MW-208B	27	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-210B	28	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-215A	27	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-214A	28	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-200A	34	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-205A	27	0.9789	0.1097	0.02111	1	0.43	1	96.3

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
1,2-Dichloroethane (ug/L)	MW-211B	33	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-213A	28	1	0	0	1	1	1	100
1,2-Dichloroethane (ug/L)	MW-310A	16	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-312A	15	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-38A (bg)	25	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-39B (bg)	25	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-216A	30	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-217A	30	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-218A	30	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-219A	30	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-220A	30	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-18AR	14	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-408	8	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloroethane (ug/L)	MW-410	8	0.39	0	0	0.39	0.39	0.39	100
1,2-Dichloropropane (u...	MW-34A (bg)	36	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-1B	36	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-5B	30	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-7B1	30	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-8B	29	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-10B	13	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-12B	29	1	0	0	1	1	1	100
1,2-Dichloropropane (u...	MW-14B	30	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-17A-00	31	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-23A	31	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-24A	29	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-25A-00	36	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-29A	37	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-31B	40	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-201A	33	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-202A	29	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-203A	29	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-204A	28	0.3739	0.3849	0.07274	0.27	0.27	1.91	92.86
1,2-Dichloropropane (u...	MW-208B	27	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-210B	28	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-215A	27	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-214A	28	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-200A	34	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-205A	27	1	0	0	1	1	1	100
1,2-Dichloropropane (u...	MW-211B	33	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-213A	28	1	0	0	1	1	1	100
1,2-Dichloropropane (u...	MW-310A	16	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-312A	15	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-38A (bg)	25	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-39B (bg)	25	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-216A	30	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-217A	30	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-218A	30	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-219A	30	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-220A	30	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-18AR	14	0.27	0	0	0.27	0.27	0.27	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
1,2-Dichloropropane (u...	MW-408	8	0.27	0	0	0.27	0.27	0.27	100
1,2-Dichloropropane (u...	MW-410	8	0.27	0	0	0.27	0.27	0.27	100
2,4,5-TP [Silvex] (ug/L)	MW-34A (bg)	10	1.08	0	0	1.08	1.08	1.08	100
2,4,5-TP [Silvex] (ug/L)	MW-1B	5	0.0236	0	0	0.0236	0.0236	0.0236	100
2,4,5-TP [Silvex] (ug/L)	MW-5B	5	0.0242	0	0	0.0242	0.0242	0.0242	100
2,4,5-TP [Silvex] (ug/L)	MW-7B1	5	0.0246	0	0	0.0246	0.0246	0.0246	100
2,4,5-TP [Silvex] (ug/L)	MW-8B	5	0.0251	0	0	0.0251	0.0251	0.0251	100
2,4,5-TP [Silvex] (ug/L)	MW-10B	1	0.0233	0	0	0.0233	0.0233	0.0233	100
2,4,5-TP [Silvex] (ug/L)	MW-12B	4	0.8325	0.495	0.2475	1.08	0.09	1.08	75
2,4,5-TP [Silvex] (ug/L)	MW-14B	5	0.0238	0	0	0.0238	0.0238	0.0238	100
2,4,5-TP [Silvex] (ug/L)	MW-17A-00	5	0.0237	0	0	0.0237	0.0237	0.0237	100
2,4,5-TP [Silvex] (ug/L)	MW-23A	5	0.0234	0	0	0.0234	0.0234	0.0234	100
2,4,5-TP [Silvex] (ug/L)	MW-24A	5	0.0251	0	0	0.0251	0.0251	0.0251	100
2,4,5-TP [Silvex] (ug/L)	MW-25A-00	5	0.024	0	0	0.024	0.024	0.024	100
2,4,5-TP [Silvex] (ug/L)	MW-29A	5	0.8465	0.4327	0.1935	1.04	0.0724	1.04	80
2,4,5-TP [Silvex] (ug/L)	MW-31B	5	0.0228	0	0	0.0228	0.0228	0.0228	100
2,4,5-TP [Silvex] (ug/L)	MW-201A	4	0.0245	0	0	0.0245	0.0245	0.0245	100
2,4,5-TP [Silvex] (ug/L)	MW-202A	4	0.0243	0	0	0.0243	0.0243	0.0243	100
2,4,5-TP [Silvex] (ug/L)	MW-203A	4	0.0237	0	0	0.0237	0.0237	0.0237	100
2,4,5-TP [Silvex] (ug/L)	MW-204A	4	0.0236	0	0	0.0236	0.0236	0.0236	100
2,4,5-TP [Silvex] (ug/L)	MW-208B	4	0.0242	0	0	0.0242	0.0242	0.0242	100
2,4,5-TP [Silvex] (ug/L)	MW-210B	4	0.0221	0	0	0.0221	0.0221	0.0221	100
2,4,5-TP [Silvex] (ug/L)	MW-215A	4	0.0231	0	0	0.0231	0.0231	0.0231	100
2,4,5-TP [Silvex] (ug/L)	MW-214A	4	0.0246	0	0	0.0246	0.0246	0.0246	100
2,4,5-TP [Silvex] (ug/L)	MW-200A	3	0.5	0	0	0.5	0.5	0.5	100
2,4,5-TP [Silvex] (ug/L)	MW-205A	3	0.5	0	0	0.5	0.5	0.5	100
2,4,5-TP [Silvex] (ug/L)	MW-211B	3	0.5	0	0	0.5	0.5	0.5	100
2,4,5-TP [Silvex] (ug/L)	MW-213A	3	0.5	0	0	0.5	0.5	0.5	100
2,4,5-TP [Silvex] (ug/L)	MW-310A	1	1	0	0	1	1	1	100
2,4,5-TP [Silvex] (ug/L)	MW-312A	1	1	0	0	1	1	1	100
2,4,5-TP [Silvex] (ug/L)	MW-38A (bg)	3	1.04	0	0	1.04	1.04	1.04	100
2,4,5-TP [Silvex] (ug/L)	MW-216A	3	1.13	0	0	1.13	1.13	1.13	100
2,4,5-TP [Silvex] (ug/L)	MW-217A	3	1.13	0	0	1.13	1.13	1.13	100
2,4,5-TP [Silvex] (ug/L)	MW-218A	3	1.08	0	0	1.08	1.08	1.08	100
2,4,5-TP [Silvex] (ug/L)	MW-219A	3	1.09	0	0	1.09	1.09	1.09	100
2,4,5-TP [Silvex] (ug/L)	MW-220A	3	1.12	0	0	1.12	1.12	1.12	100
2,4,5-TP [Silvex] (ug/L)	MW-18AR	2	0.5	0	0	0.5	0.5	0.5	100
2,4-Dimethylphenol (ug/L)	MW-34A (bg)	3	10.2	0	0	10.2	10.2	10.2	100
2,4-Dimethylphenol (ug/L)	MW-1B	5	0.604	0	0	0.604	0.604	0.604	100
2,4-Dimethylphenol (ug/L)	MW-5B	5	0.604	0	0	0.604	0.604	0.604	100
2,4-Dimethylphenol (ug/L)	MW-7B1	5	0.604	0	0	0.604	0.604	0.604	100
2,4-Dimethylphenol (ug/L)	MW-8B	5	0.604	0	0	0.604	0.604	0.604	100
2,4-Dimethylphenol (ug/L)	MW-10B	1	0.617	0	0	0.617	0.617	0.617	100
2,4-Dimethylphenol (ug/L)	MW-12B	4	8	0	0	8	8	8	100
2,4-Dimethylphenol (ug/L)	MW-14B	5	0.604	0	0	0.604	0.604	0.604	100
2,4-Dimethylphenol (ug/L)	MW-17A-00	5	0.604	0	0	0.604	0.604	0.604	100
2,4-Dimethylphenol (ug/L)	MW-23A	5	0.569	0	0	0.569	0.569	0.569	100
2,4-Dimethylphenol (ug/L)	MW-24A	5	0.592	0	0	0.592	0.592	0.592	100
2,4-Dimethylphenol (ug/L)	MW-25A-00	5	0.617	0	0	0.617	0.617	0.617	100
2,4-Dimethylphenol (ug/L)	MW-29A	5	0.592	0	0	0.592	0.592	0.592	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
2,4-Dimethylphenol (ug/L)	MW-31B	5	0.617	0	0	0.617	0.617	0.617	100
2,4-Dimethylphenol (ug/L)	MW-201A	4	0.604	0	0	0.604	0.604	0.604	100
2,4-Dimethylphenol (ug/L)	MW-202A	4	0.604	0	0	0.604	0.604	0.604	100
2,4-Dimethylphenol (ug/L)	MW-203A	4	0.617	0	0	0.617	0.617	0.617	100
2,4-Dimethylphenol (ug/L)	MW-204A	4	0.604	0	0	0.604	0.604	0.604	100
2,4-Dimethylphenol (ug/L)	MW-208B	4	0.592	0	0	0.592	0.592	0.592	100
2,4-Dimethylphenol (ug/L)	MW-210B	4	0.58	0	0	0.58	0.58	0.58	100
2,4-Dimethylphenol (ug/L)	MW-215A	4	0.617	0	0	0.617	0.617	0.617	100
2,4-Dimethylphenol (ug/L)	MW-214A	4	0.604	0	0	0.604	0.604	0.604	100
2,4-Dimethylphenol (ug/L)	MW-200A	3	8	0	0	8	8	8	100
2,4-Dimethylphenol (ug/L)	MW-205A	3	8	0	0	8	8	8	100
2,4-Dimethylphenol (ug/L)	MW-211B	3	8	0	0	8	8	8	100
2,4-Dimethylphenol (ug/L)	MW-213A	3	8	0	0	8	8	8	100
2,4-Dimethylphenol (ug/L)	MW-310A	1	10	0	0	10	10	10	100
2,4-Dimethylphenol (ug/L)	MW-312A	1	10	0	0	10	10	10	100
2,4-Dimethylphenol (ug/L)	MW-38A (bg)	1	10.1	0	0	10.1	10.1	10.1	100
2,4-Dimethylphenol (ug/L)	MW-216A	3	10.6	0	0	10.6	10.6	10.6	100
2,4-Dimethylphenol (ug/L)	MW-217A	3	10	0	0	10	10	10	100
2,4-Dimethylphenol (ug/L)	MW-218A	3	9.8	0	0	9.8	9.8	9.8	100
2,4-Dimethylphenol (ug/L)	MW-219A	5	10.6	0	0	10.6	10.6	10.6	100
2,4-Dimethylphenol (ug/L)	MW-220A	3	10	0	0	10	10	10	100
2,4-Dimethylphenol (ug/L)	MW-18AR	2	8	0	0	8	8	8	100
2-Butanone [MEK] (ug/L)	MW-34A (bg)	36	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-1B	36	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-5B	30	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-7B1	30	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-8B	29	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-10B	13	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-12B	29	10	0	0	10	10	10	100
2-Butanone [MEK] (ug/L)	MW-14B	30	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-17A-00	31	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-23A	31	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-24A	29	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-25A-00	36	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-29A	37	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-31B	40	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-201A	33	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-202A	29	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-203A	29	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-204A	28	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-208B	27	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-210B	28	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-215A	27	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-214A	28	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-200A	34	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-205A	27	5	0	0	5	5	5	100
2-Butanone [MEK] (ug/L)	MW-211B	33	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-213A	28	10	0	0	10	10	10	100
2-Butanone [MEK] (ug/L)	MW-310A	16	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-312A	15	2.1	0	0	2.1	2.1	2.1	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
2-Butanone [MEK] (ug/L)	MW-38A (bg)	25	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-39B (bg)	25	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-216A	29	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-217A	30	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-218A	30	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-219A	30	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-220A	30	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-18AR	14	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-408	8	2.1	0	0	2.1	2.1	2.1	100
2-Butanone [MEK] (ug/L)	MW-410	8	2.1	0	0	2.1	2.1	2.1	100
2-Methylnaphthalene (u...	MW-34A (bg)	3	10.2	0	0	10.2	10.2	10.2	100
2-Methylnaphthalene (u...	MW-1B	5	0.615	0	0	0.615	0.615	0.615	100
2-Methylnaphthalene (u...	MW-5B	5	0.615	0	0	0.615	0.615	0.615	100
2-Methylnaphthalene (u...	MW-7B1	5	0.615	0	0	0.615	0.615	0.615	100
2-Methylnaphthalene (u...	MW-8B	5	0.615	0	0	0.615	0.615	0.615	100
2-Methylnaphthalene (u...	MW-10B	1	0.628	0	0	0.628	0.628	0.628	100
2-Methylnaphthalene (u...	MW-12B	4	8	0	0	8	8	8	100
2-Methylnaphthalene (u...	MW-14B	5	0.615	0	0	0.615	0.615	0.615	100
2-Methylnaphthalene (u...	MW-17A-00	5	0.615	0	0	0.615	0.615	0.615	100
2-Methylnaphthalene (u...	MW-23A	5	0.578	0	0	0.578	0.578	0.578	100
2-Methylnaphthalene (u...	MW-24A	5	0.602	0	0	0.602	0.602	0.602	100
2-Methylnaphthalene (u...	MW-25A-00	5	0.628	0	0	0.628	0.628	0.628	100
2-Methylnaphthalene (u...	MW-29A	5	0.602	0	0	0.602	0.602	0.602	100
2-Methylnaphthalene (u...	MW-31B	5	0.628	0	0	0.628	0.628	0.628	100
2-Methylnaphthalene (u...	MW-201A	4	0.615	0	0	0.615	0.615	0.615	100
2-Methylnaphthalene (u...	MW-202A	4	0.615	0	0	0.615	0.615	0.615	100
2-Methylnaphthalene (u...	MW-203A	4	0.628	0	0	0.628	0.628	0.628	100
2-Methylnaphthalene (u...	MW-204A	4	0.615	0	0	0.615	0.615	0.615	100
2-Methylnaphthalene (u...	MW-208B	4	0.602	0	0	0.602	0.602	0.602	100
2-Methylnaphthalene (u...	MW-210B	4	0.59	0	0	0.59	0.59	0.59	100
2-Methylnaphthalene (u...	MW-215A	4	0.628	0	0	0.628	0.628	0.628	100
2-Methylnaphthalene (u...	MW-214A	4	0.615	0	0	0.615	0.615	0.615	100
2-Methylnaphthalene (u...	MW-200A	3	8	0	0	8	8	8	100
2-Methylnaphthalene (u...	MW-205A	3	8	0	0	8	8	8	100
2-Methylnaphthalene (u...	MW-211B	3	8	0	0	8	8	8	100
2-Methylnaphthalene (u...	MW-213A	3	8	0	0	8	8	8	100
2-Methylnaphthalene (u...	MW-310A	1	10	0	0	10	10	10	100
2-Methylnaphthalene (u...	MW-312A	1	10	0	0	10	10	10	100
2-Methylnaphthalene (u...	MW-38A (bg)	1	10.1	0	0	10.1	10.1	10.1	100
2-Methylnaphthalene (u...	MW-216A	3	10.6	0	0	10.6	10.6	10.6	100
2-Methylnaphthalene (u...	MW-217A	3	10	0	0	10	10	10	100
2-Methylnaphthalene (u...	MW-218A	3	9.8	0	0	9.8	9.8	9.8	100
2-Methylnaphthalene (u...	MW-219A	5	10.6	0	0	10.6	10.6	10.6	100
2-Methylnaphthalene (u...	MW-220A	3	10	0	0	10	10	10	100
2-Methylnaphthalene (u...	MW-18AR	2	8	0	0	8	8	8	100
2-Methylphenol (ug/L)	MW-34A (bg)	3	10.2	0	0	10.2	10.2	10.2	100
2-Methylphenol (ug/L)	MW-1B	5	0.677	0	0	0.677	0.677	0.677	100
2-Methylphenol (ug/L)	MW-5B	5	0.677	0	0	0.677	0.677	0.677	100
2-Methylphenol (ug/L)	MW-7B1	5	0.677	0	0	0.677	0.677	0.677	100
2-Methylphenol (ug/L)	MW-8B	5	0.677	0	0	0.677	0.677	0.677	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
2-Methylphenol (ug/L)	MW-10B	1	0.691	0	0	0.691	0.691	0.691	100
2-Methylphenol (ug/L)	MW-12B	4	8	0	0	8	8	8	100
2-Methylphenol (ug/L)	MW-14B	5	0.677	0	0	0.677	0.677	0.677	100
2-Methylphenol (ug/L)	MW-17A-00	5	0.677	0	0	0.677	0.677	0.677	100
2-Methylphenol (ug/L)	MW-23A	5	0.637	0	0	0.637	0.637	0.637	100
2-Methylphenol (ug/L)	MW-24A	5	0.663	0	0	0.663	0.663	0.663	100
2-Methylphenol (ug/L)	MW-25A-00	5	0.691	0	0	0.691	0.691	0.691	100
2-Methylphenol (ug/L)	MW-29A	5	0.663	0	0	0.663	0.663	0.663	100
2-Methylphenol (ug/L)	MW-31B	5	0.691	0	0	0.691	0.691	0.691	100
2-Methylphenol (ug/L)	MW-201A	4	0.677	0	0	0.677	0.677	0.677	100
2-Methylphenol (ug/L)	MW-202A	4	0.677	0	0	0.677	0.677	0.677	100
2-Methylphenol (ug/L)	MW-203A	4	0.691	0	0	0.691	0.691	0.691	100
2-Methylphenol (ug/L)	MW-204A	4	0.677	0	0	0.677	0.677	0.677	100
2-Methylphenol (ug/L)	MW-208B	4	0.663	0	0	0.663	0.663	0.663	100
2-Methylphenol (ug/L)	MW-210B	4	0.65	0	0	0.65	0.65	0.65	100
2-Methylphenol (ug/L)	MW-215A	4	0.691	0	0	0.691	0.691	0.691	100
2-Methylphenol (ug/L)	MW-214A	4	0.677	0	0	0.677	0.677	0.677	100
2-Methylphenol (ug/L)	MW-200A	3	8	0	0	8	8	8	100
2-Methylphenol (ug/L)	MW-205A	3	8	0	0	8	8	8	100
2-Methylphenol (ug/L)	MW-211B	3	8	0	0	8	8	8	100
2-Methylphenol (ug/L)	MW-213A	3	8	0	0	8	8	8	100
2-Methylphenol (ug/L)	MW-310A	1	10	0	0	10	10	10	100
2-Methylphenol (ug/L)	MW-312A	1	10	0	0	10	10	10	100
2-Methylphenol (ug/L)	MW-38A (bg)	1	10.1	0	0	10.1	10.1	10.1	100
2-Methylphenol (ug/L)	MW-216A	3	10.6	0	0	10.6	10.6	10.6	100
2-Methylphenol (ug/L)	MW-217A	3	10	0	0	10	10	10	100
2-Methylphenol (ug/L)	MW-218A	3	9.8	0	0	9.8	9.8	9.8	100
2-Methylphenol (ug/L)	MW-219A	5	10.6	0	0	10.6	10.6	10.6	100
2-Methylphenol (ug/L)	MW-220A	3	10	0	0	10	10	10	100
2-Methylphenol (ug/L)	MW-18AR	2	8	0	0	8	8	8	100
4,4`-DDD (ug/L)	MW-34A (bg)	3	0.032	0	0	0.032	0.032	0.032	100
4,4`-DDD (ug/L)	MW-1B	5	0.0226	0	0	0.0226	0.0226	0.0226	100
4,4`-DDD (ug/L)	MW-5B	5	0.0225	0	0	0.0225	0.0225	0.0225	100
4,4`-DDD (ug/L)	MW-7B1	6	0.0229	0	0	0.0229	0.0229	0.0229	100
4,4`-DDD (ug/L)	MW-8B	7	0.02173	0.00287	0.001085	0.023	0.0153	0.023	71.43
4,4`-DDD (ug/L)	MW-10B	1	0.0241	0	0	0.0241	0.0241	0.0241	100
4,4`-DDD (ug/L)	MW-12B	4	0.05	0	0	0.05	0.05	0.05	100
4,4`-DDD (ug/L)	MW-14B	5	0.0226	0	0	0.0226	0.0226	0.0226	100
4,4`-DDD (ug/L)	MW-17A-00	5	0.0227	0	0	0.0227	0.0227	0.0227	100
4,4`-DDD (ug/L)	MW-23A	5	0.022	0	0	0.022	0.022	0.022	100
4,4`-DDD (ug/L)	MW-24A	5	0.0227	0	0	0.0227	0.0227	0.0227	100
4,4`-DDD (ug/L)	MW-25A-00	5	0.0226	0	0	0.0226	0.0226	0.0226	100
4,4`-DDD (ug/L)	MW-29A	5	0.0224	0	0	0.0224	0.0224	0.0224	100
4,4`-DDD (ug/L)	MW-31B	5	0.0224	0	0	0.0224	0.0224	0.0224	100
4,4`-DDD (ug/L)	MW-201A	4	0.0227	0	0	0.0227	0.0227	0.0227	100
4,4`-DDD (ug/L)	MW-202A	4	0.0224	0	0	0.0224	0.0224	0.0224	100
4,4`-DDD (ug/L)	MW-203A	4	0.0226	0	0	0.0226	0.0226	0.0226	100
4,4`-DDD (ug/L)	MW-204A	4	0.023	0	0	0.023	0.023	0.023	100
4,4`-DDD (ug/L)	MW-208B	14	0.02286	0.006677	0.001785	0.0226	0.0032	0.0337	71.43
4,4`-DDD (ug/L)	MW-210B	4	0.0226	0	0	0.0226	0.0226	0.0226	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
4,4`-DDD (ug/L)	MW-215A	4	0.0226	0	0	0.0226	0.0226	0.0226	100
4,4`-DDD (ug/L)	MW-214A	4	0.0226	0	0	0.0226	0.0226	0.0226	100
4,4`-DDD (ug/L)	MW-200A	3	0.05	0	0	0.05	0.05	0.05	100
4,4`-DDD (ug/L)	MW-205A	3	0.03605	0.02416	0.01395	0.05	0.00815	0.05	66.67
4,4`-DDD (ug/L)	MW-211B	3	0.03634	0.02365	0.01366	0.05	0.00903	0.05	66.67
4,4`-DDD (ug/L)	MW-213A	3	0.05	0	0	0.05	0.05	0.05	100
4,4`-DDD (ug/L)	MW-310A	1	0.032	0	0	0.032	0.032	0.032	100
4,4`-DDD (ug/L)	MW-312A	1	0.032	0	0	0.032	0.032	0.032	100
4,4`-DDD (ug/L)	MW-38A (bg)	1	0.032	0	0	0.032	0.032	0.032	100
4,4`-DDD (ug/L)	MW-216A	3	0.064	0	0	0.064	0.064	0.064	100
4,4`-DDD (ug/L)	MW-217A	3	0.0744	0	0	0.0744	0.0744	0.0744	100
4,4`-DDD (ug/L)	MW-218A	3	0.0711	0	0	0.0711	0.0711	0.0711	100
4,4`-DDD (ug/L)	MW-219A	3	0.064	0	0	0.064	0.064	0.064	100
4,4`-DDD (ug/L)	MW-220A	3	0.064	0	0	0.064	0.064	0.064	100
4,4`-DDD (ug/L)	MW-18AR	2	0.05	0	0	0.05	0.05	0.05	100
4,4`-DDT (ug/L)	MW-34A (bg)	3	0.032	0	0	0.032	0.032	0.032	100
4,4`-DDT (ug/L)	MW-1B	5	0.0181	0	0	0.0181	0.0181	0.0181	100
4,4`-DDT (ug/L)	MW-5B	5	0.018	0	0	0.018	0.018	0.018	100
4,4`-DDT (ug/L)	MW-7B1	6	0.0183	0	0	0.0183	0.0183	0.0183	100
4,4`-DDT (ug/L)	MW-8B	7	0.0184	0	0	0.0184	0.0184	0.0184	100
4,4`-DDT (ug/L)	MW-10B	1	0.0193	0	0	0.0193	0.0193	0.0193	100
4,4`-DDT (ug/L)	MW-12B	4	0.05	0	0	0.05	0.05	0.05	100
4,4`-DDT (ug/L)	MW-14B	5	0.0181	0	0	0.0181	0.0181	0.0181	100
4,4`-DDT (ug/L)	MW-17A-00	5	0.0182	0	0	0.0182	0.0182	0.0182	100
4,4`-DDT (ug/L)	MW-23A	5	0.0176	0	0	0.0176	0.0176	0.0176	100
4,4`-DDT (ug/L)	MW-24A	5	0.0181	0	0	0.0181	0.0181	0.0181	100
4,4`-DDT (ug/L)	MW-25A-00	5	0.0181	0	0	0.0181	0.0181	0.0181	100
4,4`-DDT (ug/L)	MW-29A	5	0.0179	0	0	0.0179	0.0179	0.0179	100
4,4`-DDT (ug/L)	MW-31B	5	0.0179	0	0	0.0179	0.0179	0.0179	100
4,4`-DDT (ug/L)	MW-201A	4	0.0181	0	0	0.0181	0.0181	0.0181	100
4,4`-DDT (ug/L)	MW-202A	4	0.0179	0	0	0.0179	0.0179	0.0179	100
4,4`-DDT (ug/L)	MW-203A	4	0.018	0	0	0.018	0.018	0.018	100
4,4`-DDT (ug/L)	MW-204A	4	0.0184	0	0	0.0184	0.0184	0.0184	100
4,4`-DDT (ug/L)	MW-208B	20	0.01794	0.006283	0.001405	0.018	0.00411	0.0398	85
4,4`-DDT (ug/L)	MW-210B	4	0.0181	0	0	0.0181	0.0181	0.0181	100
4,4`-DDT (ug/L)	MW-215A	4	0.0181	0	0	0.0181	0.0181	0.0181	100
4,4`-DDT (ug/L)	MW-214A	4	0.0181	0	0	0.0181	0.0181	0.0181	100
4,4`-DDT (ug/L)	MW-200A	3	0.05	0	0	0.05	0.05	0.05	100
4,4`-DDT (ug/L)	MW-205A	3	0.03703	0.02246	0.01297	0.05	0.0111	0.05	66.67
4,4`-DDT (ug/L)	MW-211B	3	0.05	0	0	0.05	0.05	0.05	100
4,4`-DDT (ug/L)	MW-213A	3	0.05	0	0	0.05	0.05	0.05	100
4,4`-DDT (ug/L)	MW-310A	1	0.032	0	0	0.032	0.032	0.032	100
4,4`-DDT (ug/L)	MW-312A	1	0.032	0	0	0.032	0.032	0.032	100
4,4`-DDT (ug/L)	MW-38A (bg)	1	0.032	0	0	0.032	0.032	0.032	100
4,4`-DDT (ug/L)	MW-216A	3	0.064	0	0	0.064	0.064	0.064	100
4,4`-DDT (ug/L)	MW-217A	3	0.0744	0	0	0.0744	0.0744	0.0744	100
4,4`-DDT (ug/L)	MW-218A	3	0.0711	0	0	0.0711	0.0711	0.0711	100
4,4`-DDT (ug/L)	MW-219A	3	0.064	0	0	0.064	0.064	0.064	100
4,4`-DDT (ug/L)	MW-220A	3	0.064	0	0	0.064	0.064	0.064	100
4,4`-DDT (ug/L)	MW-18AR	2	0.05	0	0	0.05	0.05	0.05	100

Box & Whiskers Plot

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Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
4-Methyl-2-pentanone [...	MW-34A (bg)	32	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-1B	36	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-5B	30	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-7B1	30	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-8B	29	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-10B	13	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-12B	29	10	0	0	10	10	10	100
4-Methyl-2-pentanone [...	MW-14B	30	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-17A-00	31	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-23A	31	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-24A	29	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-25A-00	36	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-29A	37	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-31B	40	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-201A	33	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-202A	29	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-203A	29	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-204A	28	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-208B	27	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-210B	28	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-215A	27	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-214A	28	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-200A	34	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-205A	27	5	0	0	5	5	5	100
4-Methyl-2-pentanone [...	MW-211B	33	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-213A	28	10	0	0	10	10	10	100
4-Methyl-2-pentanone [...	MW-310A	16	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-312A	15	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-38A (bg)	25	2.072	0.14	0.028	2.1	1.4	2.1	96
4-Methyl-2-pentanone [...	MW-39B (bg)	25	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-216A	30	2.083	0.09129	0.01667	2.1	1.6	2.1	96.67
4-Methyl-2-pentanone [...	MW-217A	30	2.083	0.09129	0.01667	2.1	1.6	2.1	96.67
4-Methyl-2-pentanone [...	MW-218A	30	2.073	0.1461	0.02667	2.1	1.3	2.1	96.67
4-Methyl-2-pentanone [...	MW-219A	30	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-220A	30	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-18AR	14	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-408	8	2.1	0	0	2.1	2.1	2.1	100
4-Methyl-2-pentanone [...	MW-410	8	1.975	0.3536	0.125	2.1	1.1	2.1	87.5
Acetone (ug/L)	MW-34A (bg)	36	3.1	0	0	3.1	3.1	3.1	100
Acetone (ug/L)	MW-1B	36	3.116	0.1326	0.0221	3.1	2.92	3.87	94.44
Acetone (ug/L)	MW-5B	30	3.248	1.058	0.1932	3.1	2.18	8.61	76.67
Acetone (ug/L)	MW-7B1	30	3.145	0.3266	0.05962	3.1	2.41	4.67	90
Acetone (ug/L)	MW-8B	28	3.216	0.3485	0.06586	3.1	3.1	4.41	85.71
Acetone (ug/L)	MW-10B	13	3.1	0	0	3.1	3.1	3.1	100
Acetone (ug/L)	MW-12B	29	9.339	2.006	0.3725	10	2.29	10	89.66
Acetone (ug/L)	MW-14B	30	3.033	0.2207	0.0403	3.1	2.35	3.22	86.67
Acetone (ug/L)	MW-17A-00	31	3.102	0.2055	0.0369	3.1	2.34	3.93	93.55
Acetone (ug/L)	MW-23A	30	3.206	0.5548	0.1013	3.1	3.1	6.14	93.33
Acetone (ug/L)	MW-24A	29	3.111	0.06523	0.01211	3.1	3.08	3.45	93.1
Acetone (ug/L)	MW-25A-00	36	3.057	0.2028	0.03381	3.1	1.93	3.1	94.44

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Acetone (ug/L)	MW-29A	37	3.074	0.2086	0.0343	3.1	1.87	3.38	94.59
Acetone (ug/L)	MW-31B	40	3.127	0.3521	0.05568	3.1	2.17	5.1	95
Acetone (ug/L)	MW-201A	33	3.108	0.04181	0.007279	3.1	3.1	3.34	93.94
Acetone (ug/L)	MW-202A	29	3.1	0	0	3.1	3.1	3.1	100
Acetone (ug/L)	MW-203A	29	3.141	0.2191	0.04069	3.1	3.1	4.28	96.55
Acetone (ug/L)	MW-204A	28	3.226	0.8061	0.1523	3.1	2.44	7.29	92.86
Acetone (ug/L)	MW-208B	27	3.081	0.2293	0.04412	3.1	2.11	3.6	85.19
Acetone (ug/L)	MW-210B	28	3.201	0.6061	0.1145	3.1	2.71	6.27	85.71
Acetone (ug/L)	MW-215A	27	3.04	0.3708	0.07136	3.1	1.83	3.93	88.89
Acetone (ug/L)	MW-214A	28	3.071	0.2229	0.04213	3.1	2.32	3.7	89.29
Acetone (ug/L)	MW-200A	34	3.188	0.5111	0.08765	3.1	3.1	6.08	97.06
Acetone (ug/L)	MW-205A	27	9.494	1.514	0.2913	10	3.78	10	88.89
Acetone (ug/L)	MW-211B	33	3.545	1.447	0.2518	3.1	2.955	10.2	81.82
Acetone (ug/L)	MW-213A	28	9.359	1.938	0.3662	10	2.89	10	89.29
Acetone (ug/L)	MW-310A	16	3.1	0	0	3.1	3.1	3.1	100
Acetone (ug/L)	MW-312A	15	3.1	0	0	3.1	3.1	3.1	100
Acetone (ug/L)	MW-38A (bg)	25	2.983	0.3553	0.07106	3.1	1.82	3.1	88
Acetone (ug/L)	MW-39B (bg)	25	3.096	0.3423	0.06846	3.1	1.87	4.24	92
Acetone (ug/L)	MW-216A	30	3.105	0.02739	0.005	3.1	3.1	3.25	96.67
Acetone (ug/L)	MW-217A	30	3.129	0.1461	0.02667	3.1	3.1	3.9	93.33
Acetone (ug/L)	MW-218A	30	3.071	0.157	0.02867	3.1	2.24	3.1	96.67
Acetone (ug/L)	MW-219A	30	3.139	0.2136	0.039	3.1	3.1	4.27	96.67
Acetone (ug/L)	MW-220A	30	3.1	0	0	3.1	3.1	3.1	100
Acetone (ug/L)	MW-18AR	14	3.1	0	0	3.1	3.1	3.1	100
Acetone (ug/L)	MW-408	8	3.1	0	0	3.1	3.1	3.1	100
Acetone (ug/L)	MW-410	8	3.1	0	0	3.1	3.1	3.1	100
Benzene (ug/L)	MW-34A (bg)	42	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-1B	36	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-5B	30	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-7B1	30	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-8B	29	0.2364	0.04266	0.007922	0.22	0.194	0.425	62.07
Benzene (ug/L)	MW-10B	13	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-12B	29	0.5	0	0	0.5	0.5	0.5	100
Benzene (ug/L)	MW-14B	30	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-17A-00	31	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-23A	31	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-24A	29	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-25A-00	36	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-29A	37	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-31B	40	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-201A	33	0.2168	0.0181	0.003152	0.22	0.116	0.22	96.97
Benzene (ug/L)	MW-202A	29	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-203A	29	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-204A	32	2.588	2.737	0.4839	1.38	0.211	9.88	31.25
Benzene (ug/L)	MW-208B	27	0.2864	0.08978	0.01728	0.22	0.143	0.477	48.15
Benzene (ug/L)	MW-210B	28	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-215A	27	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-214A	28	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-200A	34	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-205A	30	3.549	4.364	0.7968	1.52	0.142	19	23.33

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Benzene (ug/L)	MW-211B	33	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-213A	28	0.489	0.05821	0.011	0.5	0.192	0.5	96.43
Benzene (ug/L)	MW-310A	16	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-312A	15	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-38A (bg)	25	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-39B (bg)	25	0.2261	0.0306	0.00612	0.22	0.22	0.373	96
Benzene (ug/L)	MW-216A	30	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-217A	30	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-218A	30	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-219A	30	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-220A	30	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-18AR	14	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-408	8	0.22	0	0	0.22	0.22	0.22	100
Benzene (ug/L)	MW-410	8	0.22	0	0	0.22	0.22	0.22	100
Benzyl alcohol (ug/L)	MW-34A (bg)	3	10.2	0	0	10.2	10.2	10.2	100
Benzyl alcohol (ug/L)	MW-1B	5	1.35	0	0	1.35	1.35	1.35	100
Benzyl alcohol (ug/L)	MW-5B	5	1.118	0.5197	0.2324	1.35	0.188	1.35	80
Benzyl alcohol (ug/L)	MW-7B1	5	1.35	0	0	1.35	1.35	1.35	100
Benzyl alcohol (ug/L)	MW-8B	5	1.35	0	0	1.35	1.35	1.35	100
Benzyl alcohol (ug/L)	MW-10B	1	1.38	0	0	1.38	1.38	1.38	100
Benzyl alcohol (ug/L)	MW-12B	4	8	0	0	8	8	8	100
Benzyl alcohol (ug/L)	MW-14B	5	1.35	0	0	1.35	1.35	1.35	100
Benzyl alcohol (ug/L)	MW-17A-00	5	1.35	0	0	1.35	1.35	1.35	100
Benzyl alcohol (ug/L)	MW-23A	5	1.27	0	0	1.27	1.27	1.27	100
Benzyl alcohol (ug/L)	MW-24A	5	1.33	0	0	1.33	1.33	1.33	100
Benzyl alcohol (ug/L)	MW-25A-00	5	1.38	0	0	1.38	1.38	1.38	100
Benzyl alcohol (ug/L)	MW-29A	5	1.33	0	0	1.33	1.33	1.33	100
Benzyl alcohol (ug/L)	MW-31B	5	1.38	0	0	1.38	1.38	1.38	100
Benzyl alcohol (ug/L)	MW-201A	4	1.35	0	0	1.35	1.35	1.35	100
Benzyl alcohol (ug/L)	MW-202A	4	1.35	0	0	1.35	1.35	1.35	100
Benzyl alcohol (ug/L)	MW-203A	4	1.38	0	0	1.38	1.38	1.38	100
Benzyl alcohol (ug/L)	MW-204A	4	1.35	0	0	1.35	1.35	1.35	100
Benzyl alcohol (ug/L)	MW-208B	4	1.33	0	0	1.33	1.33	1.33	100
Benzyl alcohol (ug/L)	MW-210B	4	1.3	0	0	1.3	1.3	1.3	100
Benzyl alcohol (ug/L)	MW-215A	4	1.38	0	0	1.38	1.38	1.38	100
Benzyl alcohol (ug/L)	MW-214A	4	1.35	0	0	1.35	1.35	1.35	100
Benzyl alcohol (ug/L)	MW-200A	3	8	0	0	8	8	8	100
Benzyl alcohol (ug/L)	MW-205A	3	8	0	0	8	8	8	100
Benzyl alcohol (ug/L)	MW-211B	3	8	0	0	8	8	8	100
Benzyl alcohol (ug/L)	MW-213A	3	8	0	0	8	8	8	100
Benzyl alcohol (ug/L)	MW-310A	1	10	0	0	10	10	10	100
Benzyl alcohol (ug/L)	MW-312A	1	10	0	0	10	10	10	100
Benzyl alcohol (ug/L)	MW-38A (bg)	1	10.1	0	0	10.1	10.1	10.1	100
Benzyl alcohol (ug/L)	MW-216A	3	10.6	0	0	10.6	10.6	10.6	100
Benzyl alcohol (ug/L)	MW-217A	3	10	0	0	10	10	10	100
Benzyl alcohol (ug/L)	MW-218A	3	9.8	0	0	9.8	9.8	9.8	100
Benzyl alcohol (ug/L)	MW-219A	5	10.6	0	0	10.6	10.6	10.6	100
Benzyl alcohol (ug/L)	MW-220A	3	10	0	0	10	10	10	100
Benzyl alcohol (ug/L)	MW-18AR	2	8	0	0	8	8	8	100
Beta-BHC (ug/L)	MW-34A (bg)	7	0.032	0	0	0.032	0.032	0.032	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Beta-BHC (ug/L)	MW-1B	5	0.038	0	0	0.038	0.038	0.038	100
Beta-BHC (ug/L)	MW-5B	5	0.0378	0	0	0.0378	0.0378	0.0378	100
Beta-BHC (ug/L)	MW-7B1	6	0.0385	0	0	0.0385	0.0385	0.0385	100
Beta-BHC (ug/L)	MW-8B	7	0.0387	0	0	0.0387	0.0387	0.0387	100
Beta-BHC (ug/L)	MW-10B	1	0.0405	0	0	0.0405	0.0405	0.0405	100
Beta-BHC (ug/L)	MW-12B	4	0.03907	0.02187	0.01093	0.05	0.00627	0.05	75
Beta-BHC (ug/L)	MW-14B	5	0.038	0	0	0.038	0.038	0.038	100
Beta-BHC (ug/L)	MW-17A-00	5	0.0382	0	0	0.0382	0.0382	0.0382	100
Beta-BHC (ug/L)	MW-23A	5	0.037	0	0	0.037	0.037	0.037	100
Beta-BHC (ug/L)	MW-24A	5	0.0381	0	0	0.0381	0.0381	0.0381	100
Beta-BHC (ug/L)	MW-25A-00	5	0.038	0	0	0.038	0.038	0.038	100
Beta-BHC (ug/L)	MW-29A	5	0.0376	0	0	0.0376	0.0376	0.0376	100
Beta-BHC (ug/L)	MW-31B	5	0.0377	0	0	0.0377	0.0377	0.0377	100
Beta-BHC (ug/L)	MW-201A	4	0.0381	0	0	0.0381	0.0381	0.0381	100
Beta-BHC (ug/L)	MW-202A	4	0.0376	0	0	0.0376	0.0376	0.0376	100
Beta-BHC (ug/L)	MW-203A	4	0.0379	0	0	0.0379	0.0379	0.0379	100
Beta-BHC (ug/L)	MW-204A	4	0.03047	0.01645	0.008225	0.0387	0.0058	0.0387	75
Beta-BHC (ug/L)	MW-208B	4	0.0221	0.01825	0.009123	0.02223	0.00605	0.0379	50
Beta-BHC (ug/L)	MW-210B	4	0.038	0	0	0.038	0.038	0.038	100
Beta-BHC (ug/L)	MW-215A	4	0.038	0	0	0.038	0.038	0.038	100
Beta-BHC (ug/L)	MW-214A	4	0.038	0	0	0.038	0.038	0.038	100
Beta-BHC (ug/L)	MW-200A	3	0.05	0	0	0.05	0.05	0.05	100
Beta-BHC (ug/L)	MW-205A	3	0.0352	0.02564	0.0148	0.05	0.00559	0.05	66.67
Beta-BHC (ug/L)	MW-211B	3	0.05	0	0	0.05	0.05	0.05	100
Beta-BHC (ug/L)	MW-213A	3	0.05	0	0	0.05	0.05	0.05	100
Beta-BHC (ug/L)	MW-310A	1	0.032	0	0	0.032	0.032	0.032	100
Beta-BHC (ug/L)	MW-312A	1	0.032	0	0	0.032	0.032	0.032	100
Beta-BHC (ug/L)	MW-38A (bg)	1	0.032	0	0	0.032	0.032	0.032	100
Beta-BHC (ug/L)	MW-39B (bg)	1	0.032	0	0	0.032	0.032	0.032	100
Beta-BHC (ug/L)	MW-216A	3	0.064	0	0	0.064	0.064	0.064	100
Beta-BHC (ug/L)	MW-217A	3	0.0744	0	0	0.0744	0.0744	0.0744	100
Beta-BHC (ug/L)	MW-218A	3	0.0711	0	0	0.0711	0.0711	0.0711	100
Beta-BHC (ug/L)	MW-219A	3	0.064	0	0	0.064	0.064	0.064	100
Beta-BHC (ug/L)	MW-220A	3	0.064	0	0	0.064	0.064	0.064	100
Beta-BHC (ug/L)	MW-18AR	2	0.05	0	0	0.05	0.05	0.05	100
Bis[2-chloroethoxy]met...	MW-34A (bg)	2	10	0	0	10	10	10	100
Bis[2-chloroethoxy]met...	MW-1B	5	0.792	0	0	0.792	0.792	0.792	100
Bis[2-chloroethoxy]met...	MW-5B	5	0.792	0	0	0.792	0.792	0.792	100
Bis[2-chloroethoxy]met...	MW-7B1	5	0.792	0	0	0.792	0.792	0.792	100
Bis[2-chloroethoxy]met...	MW-8B	5	0.792	0	0	0.792	0.792	0.792	100
Bis[2-chloroethoxy]met...	MW-10B	1	0.809	0	0	0.809	0.809	0.809	100
Bis[2-chloroethoxy]met...	MW-12B	4	8	0	0	8	8	8	100
Bis[2-chloroethoxy]met...	MW-14B	5	0.792	0	0	0.792	0.792	0.792	100
Bis[2-chloroethoxy]met...	MW-17A-00	5	0.792	0	0	0.792	0.792	0.792	100
Bis[2-chloroethoxy]met...	MW-23A	5	0.745	0	0	0.745	0.745	0.745	100
Bis[2-chloroethoxy]met...	MW-24A	5	0.776	0	0	0.776	0.776	0.776	100
Bis[2-chloroethoxy]met...	MW-25A-00	5	0.809	0	0	0.809	0.809	0.809	100
Bis[2-chloroethoxy]met...	MW-29A	5	0.776	0	0	0.776	0.776	0.776	100
Bis[2-chloroethoxy]met...	MW-31B	5	0.809	0	0	0.809	0.809	0.809	100
Bis[2-chloroethoxy]met...	MW-201A	4	0.792	0	0	0.792	0.792	0.792	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Bis[2-chloroethoxy]met...	MW-202A	4	0.792	0	0	0.792	0.792	0.792	100
Bis[2-chloroethoxy]met...	MW-203A	4	0.809	0	0	0.809	0.809	0.809	100
Bis[2-chloroethoxy]met...	MW-204A	4	0.792	0	0	0.792	0.792	0.792	100
Bis[2-chloroethoxy]met...	MW-208B	4	0.776	0	0	0.776	0.776	0.776	100
Bis[2-chloroethoxy]met...	MW-210B	4	0.76	0	0	0.76	0.76	0.76	100
Bis[2-chloroethoxy]met...	MW-215A	4	0.809	0	0	0.809	0.809	0.809	100
Bis[2-chloroethoxy]met...	MW-214A	4	0.792	0	0	0.792	0.792	0.792	100
Bis[2-chloroethoxy]met...	MW-200A	3	8	0	0	8	8	8	100
Bis[2-chloroethoxy]met...	MW-205A	3	8	0	0	8	8	8	100
Bis[2-chloroethoxy]met...	MW-211B	3	8	0	0	8	8	8	100
Bis[2-chloroethoxy]met...	MW-213A	3	8	0	0	8	8	8	100
Bis[2-chloroethoxy]met...	MW-310A	1	10	0	0	10	10	10	100
Bis[2-chloroethoxy]met...	MW-312A	1	10	0	0	10	10	10	100
Bis[2-chloroethoxy]met...	MW-216A	3	10.6	0	0	10.6	10.6	10.6	100
Bis[2-chloroethoxy]met...	MW-217A	3	10	0	0	10	10	10	100
Bis[2-chloroethoxy]met...	MW-218A	3	9.8	0	0	9.8	9.8	9.8	100
Bis[2-chloroethoxy]met...	MW-219A	5	10.6	0	0	10.6	10.6	10.6	100
Bis[2-chloroethoxy]met...	MW-220A	3	10	0	0	10	10	10	100
Bis[2-chloroethoxy]met...	MW-18AR	2	8	0	0	8	8	8	100
Bis[2-ethylhexyl]phtha...	MW-34A (bg)	2	10	0	0	10	10	10	100
Bis[2-ethylhexyl]phtha...	MW-1B	5	5.73	0	0	5.73	5.73	5.73	100
Bis[2-ethylhexyl]phtha...	MW-5B	5	5.376	0.7916	0.354	5.73	3.96	5.73	80
Bis[2-ethylhexyl]phtha...	MW-7B1	5	4.72	2.258	1.01	5.73	0.681	5.73	80
Bis[2-ethylhexyl]phtha...	MW-8B	5	4.722	2.254	1.008	5.73	0.689	5.73	80
Bis[2-ethylhexyl]phtha...	MW-10B	1	5.85	0	0	5.85	5.85	5.85	100
Bis[2-ethylhexyl]phtha...	MW-12B	7	6.072	3.554	1.343	5.73	0.856	13	71.43
Bis[2-ethylhexyl]phtha...	MW-14B	5	4.988	1.659	0.742	5.73	2.02	5.73	80
Bis[2-ethylhexyl]phtha...	MW-17A-00	5	4.738	2.219	0.9924	5.73	0.768	5.73	80
Bis[2-ethylhexyl]phtha...	MW-23A	5	5.41	0.04472	0.02	5.39	5.39	5.49	80
Bis[2-ethylhexyl]phtha...	MW-24A	5	6.034	0.9481	0.424	5.61	5.61	7.73	80
Bis[2-ethylhexyl]phtha...	MW-25A-00	5	5.13	1.61	0.72	5.85	2.25	5.85	80
Bis[2-ethylhexyl]phtha...	MW-29A	5	5.61	0	0	5.61	5.61	5.61	100
Bis[2-ethylhexyl]phtha...	MW-31B	14	5.259	3.904	1.043	5.85	1.11	16.5	64.29
Bis[2-ethylhexyl]phtha...	MW-201A	13	5.332	3.321	0.9212	5.73	0.817	14.2	69.23
Bis[2-ethylhexyl]phtha...	MW-202A	4	4.573	2.315	1.158	5.73	1.1	5.73	75
Bis[2-ethylhexyl]phtha...	MW-203A	4	4.645	2.41	1.205	5.85	1.03	5.85	75
Bis[2-ethylhexyl]phtha...	MW-204A	4	6.315	1.17	0.585	5.73	5.73	8.07	75
Bis[2-ethylhexyl]phtha...	MW-208B	4	6.495	1.77	0.885	5.61	5.61	9.15	75
Bis[2-ethylhexyl]phtha...	MW-210B	4	5.84	0.68	0.34	5.5	5.5	6.86	75
Bis[2-ethylhexyl]phtha...	MW-215A	13	4.713	2.963	0.8218	5.85	0.56	10.8	61.54
Bis[2-ethylhexyl]phtha...	MW-214A	13	4.68	3.932	1.091	5.73	0.635	15.3	53.85
Bis[2-ethylhexyl]phtha...	MW-200A	3	4.249	3.033	1.751	6	0.747	6	66.67
Bis[2-ethylhexyl]phtha...	MW-205A	3	4.293	2.956	1.707	6	0.88	6	66.67
Bis[2-ethylhexyl]phtha...	MW-211B	3	4.279	2.981	1.721	6	0.837	6	66.67
Bis[2-ethylhexyl]phtha...	MW-213A	3	4.254	3.025	1.746	6	0.761	6	66.67
Bis[2-ethylhexyl]phtha...	MW-310A	1	10	0	0	10	10	10	100
Bis[2-ethylhexyl]phtha...	MW-312A	1	10	0	0	10	10	10	100
Bis[2-ethylhexyl]phtha...	MW-216A	3	10.6	0	0	10.6	10.6	10.6	100
Bis[2-ethylhexyl]phtha...	MW-217A	3	10	0	0	10	10	10	100
Bis[2-ethylhexyl]phtha...	MW-218A	3	9.8	0	0	9.8	9.8	9.8	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Bis[2-ethylhexyl]phtha...	MW-219A	5	8.93	3.734	1.67	10.6	2.25	10.6	80
Bis[2-ethylhexyl]phtha...	MW-220A	3	10	0	0	10	10	10	100
Bis[2-ethylhexyl]phtha...	MW-18AR	2	6	0	0	6	6	6	100
Carbon Disulfide (ug/L)	MW-34A (bg)	32	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-1B	36	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-5B	30	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-7B1	30	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-8B	29	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-10B	13	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-12B	29	1	0	0	1	1	1	100
Carbon Disulfide (ug/L)	MW-14B	30	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-17A-00	31	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-23A	31	0.4497	0.001706	0.0003065	0.45	0.4405	0.45	96.77
Carbon Disulfide (ug/L)	MW-24A	29	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-25A-00	36	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-29A	37	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-31B	40	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-201A	33	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-202A	29	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-203A	29	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-204A	28	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-208B	27	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-210B	28	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-215A	27	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-214A	28	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-200A	34	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-205A	27	0.9707	0.136	0.02618	1	0.295	1	92.59
Carbon Disulfide (ug/L)	MW-211B	33	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-213A	28	1	0	0	1	1	1	100
Carbon Disulfide (ug/L)	MW-310A	16	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-312A	15	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-38A (bg)	25	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-39B (bg)	25	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-216A	30	0.587	0.4458	0.0814	0.45	0.45	2.2	90
Carbon Disulfide (ug/L)	MW-217A	30	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-218A	30	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-219A	30	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-220A	30	0.45	0.0001826	0.00003333	0.45	0.45	0.451	96.67
Carbon Disulfide (ug/L)	MW-18AR	14	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-408	8	0.45	0	0	0.45	0.45	0.45	100
Carbon Disulfide (ug/L)	MW-410	8	0.45	0	0	0.45	0.45	0.45	100
Carbon Tetrachloride (...	MW-34A (bg)	32	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-1B	35	0.6429	0.04226	0.007143	0.65	0.4	0.65	97.14
Carbon Tetrachloride (...	MW-5B	30	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-7B1	30	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-8B	29	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-10B	13	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-12B	29	2	0	0	2	2	2	100
Carbon Tetrachloride (...	MW-14B	30	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-17A-00	31	0.65	0	0	0.65	0.65	0.65	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Carbon Tetrachloride (...	MW-23A	31	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-24A	29	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-25A-00	36	0.6431	0.04167	0.006944	0.65	0.4	0.65	97.22
Carbon Tetrachloride (...	MW-29A	37	0.6486	0.00822	0.001351	0.65	0.6	0.65	97.3
Carbon Tetrachloride (...	MW-31B	40	0.6462	0.02372	0.00375	0.65	0.5	0.65	97.5
Carbon Tetrachloride (...	MW-201A	33	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-202A	29	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-203A	29	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-204A	28	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-208B	27	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-210B	28	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-215A	27	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-214A	28	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-200A	34	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-205A	27	1	0	0	1	1	1	100
Carbon Tetrachloride (...	MW-211B	33	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-213A	28	2	0	0	2	2	2	100
Carbon Tetrachloride (...	MW-310A	16	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-312A	15	0.6333	0.06455	0.01667	0.65	0.4	0.65	93.33
Carbon Tetrachloride (...	MW-38A (bg)	25	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-39B (bg)	25	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-216A	30	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-217A	30	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-218A	30	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-219A	30	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-220A	30	0.6433	0.03651	0.006667	0.65	0.45	0.65	96.67
Carbon Tetrachloride (...	MW-18AR	14	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-408	8	0.65	0	0	0.65	0.65	0.65	100
Carbon Tetrachloride (...	MW-410	8	0.65	0	0	0.65	0.65	0.65	100
Chlorobenzene (ug/L)	MW-34A (bg)	32	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-1B	36	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-5B	30	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-7B1	30	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-8B	29	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-10B	13	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-12B	29	1	0	0	1	1	1	100
Chlorobenzene (ug/L)	MW-14B	30	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-17A-00	31	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-23A	31	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-24A	29	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-25A-00	36	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-29A	37	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-31B	40	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-201A	33	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-202A	29	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-203A	29	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-204A	28	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-208B	27	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-210B	28	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-215A	27	0.4	0	0	0.4	0.4	0.4	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Chlorobenzene (ug/L)	MW-214A	28	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-200A	34	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-205A	27	0.9712	0.1497	0.02881	1	0.222	1	96.3
Chlorobenzene (ug/L)	MW-211B	33	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-213A	28	1	0	0	1	1	1	100
Chlorobenzene (ug/L)	MW-310A	16	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-312A	15	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-38A (bg)	25	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-39B (bg)	25	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-216A	30	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-217A	30	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-218A	30	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-219A	30	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-220A	30	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-18AR	14	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-408	8	0.4	0	0	0.4	0.4	0.4	100
Chlorobenzene (ug/L)	MW-410	8	0.4	0	0	0.4	0.4	0.4	100
Chloroethane (ug/L)	MW-34A (bg)	39	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-1B	36	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-5B	30	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-7B1	30	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-8B	29	0.8386	0.1638	0.03041	0.79	0.79	1.58	89.66
Chloroethane (ug/L)	MW-10B	13	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-12B	29	3.68	0.9743	0.1809	4	0.746	4.12	86.21
Chloroethane (ug/L)	MW-14B	30	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-17A-00	31	0.7868	0.01778	0.003194	0.79	0.691	0.79	96.77
Chloroethane (ug/L)	MW-23A	31	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-24A	29	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-25A-00	36	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-29A	37	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-31B	40	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-201A	33	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-202A	29	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-203A	29	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-204A	28	1.583	1.576	0.2979	0.79	0.343	6.66	60.71
Chloroethane (ug/L)	MW-208B	27	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-210B	28	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-215A	27	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-214A	28	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-200A	34	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-205A	27	1.804	2.053	0.3951	1	0.749	8.54	77.78
Chloroethane (ug/L)	MW-211B	33	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-213A	28	4	0	0	4	4	4	100
Chloroethane (ug/L)	MW-310A	16	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-312A	15	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-38A (bg)	25	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-39B (bg)	25	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-216A	30	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-217A	30	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-218A	30	0.79	0	0	0.79	0.79	0.79	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Chloroethane (ug/L)	MW-219A	30	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-220A	30	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-18AR	14	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-408	8	0.79	0	0	0.79	0.79	0.79	100
Chloroethane (ug/L)	MW-410	8	0.79	0	0	0.79	0.79	0.79	100
Chloromethane (ug/L)	MW-34A (bg)	32	0.6032	0.0435	0.00769	0.61	0.366	0.635	93.75
Chloromethane (ug/L)	MW-1B	36	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-5B	30	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-7B1	30	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-8B	29	0.6065	0.01876	0.003483	0.61	0.509	0.61	96.55
Chloromethane (ug/L)	MW-10B	13	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-12B	29	2.909	0.4902	0.09103	3	0.36	3	96.55
Chloromethane (ug/L)	MW-14B	30	0.6044	0.03086	0.005633	0.61	0.441	0.61	96.67
Chloromethane (ug/L)	MW-17A-00	31	0.6029	0.03951	0.007097	0.61	0.39	0.61	96.77
Chloromethane (ug/L)	MW-23A	31	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-24A	29	0.6024	0.04104	0.007621	0.61	0.389	0.61	96.55
Chloromethane (ug/L)	MW-25A-00	36	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-29A	37	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-31B	40	0.6064	0.02308	0.00365	0.61	0.464	0.61	97.5
Chloromethane (ug/L)	MW-201A	33	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-202A	29	0.6035	0.0351	0.006517	0.61	0.421	0.61	96.55
Chloromethane (ug/L)	MW-203A	29	0.6067	0.01783	0.00331	0.61	0.514	0.61	96.55
Chloromethane (ug/L)	MW-204A	28	0.6093	0.003591	0.0006786	0.61	0.591	0.61	96.43
Chloromethane (ug/L)	MW-208B	27	0.6477	0.2533	0.04875	0.61	0.349	1.89	92.59
Chloromethane (ug/L)	MW-210B	28	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-215A	27	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-214A	28	0.7011	0.4819	0.09107	0.61	0.61	3.16	96.43
Chloromethane (ug/L)	MW-200A	34	0.6046	0.03173	0.005441	0.61	0.425	0.61	97.06
Chloromethane (ug/L)	MW-205A	27	0.9827	0.09007	0.01733	1	0.532	1	96.3
Chloromethane (ug/L)	MW-211B	33	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-213A	28	3	0	0	3	3	3	100
Chloromethane (ug/L)	MW-310A	16	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-312A	15	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-38A (bg)	25	0.6019	0.0406	0.00812	0.61	0.407	0.61	96
Chloromethane (ug/L)	MW-39B (bg)	25	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-216A	30	0.6004	0.05276	0.009633	0.61	0.321	0.61	96.67
Chloromethane (ug/L)	MW-217A	30	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-218A	30	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-219A	30	0.6013	0.04765	0.0087	0.61	0.349	0.61	96.67
Chloromethane (ug/L)	MW-220A	30	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-18AR	14	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-408	8	0.61	0	0	0.61	0.61	0.61	100
Chloromethane (ug/L)	MW-410	8	0.61	0	0	0.61	0.61	0.61	100
cis-1,2-Dichloroethene...	MW-34A (bg)	39	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-1B	36	0.2264	0.09833	0.01639	0.21	0.21	0.8	97.22
cis-1,2-Dichloroethene...	MW-5B	30	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-7B1	30	0.228	0.078	0.01424	0.21	0.21	0.6215	93.33
cis-1,2-Dichloroethene...	MW-8B	29	0.2144	0.02496	0.004636	0.21	0.203	0.344	93.1
cis-1,2-Dichloroethene...	MW-10B	13	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-12B	29	1	0	0	1	1	1	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
cis-1,2-Dichloroethene...	MW-14B	30	0.209	0.005477	0.001	0.21	0.18	0.21	96.67
cis-1,2-Dichloroethene...	MW-17A-00	31	0.2083	0.009519	0.00171	0.21	0.157	0.21	96.77
cis-1,2-Dichloroethene...	MW-23A	31	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-24A	29	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-25A-00	36	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-29A	37	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-31B	40	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-201A	33	0.3944	0.4961	0.08636	0.21	0.173	2.65	75.76
cis-1,2-Dichloroethene...	MW-202A	29	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-203A	29	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-204A	28	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-208B	27	0.2421	0.1035	0.01992	0.21	0.177	0.712	77.78
cis-1,2-Dichloroethene...	MW-210B	28	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-215A	27	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-214A	28	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-200A	34	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-205A	27	0.9604	0.17	0.03271	1	0.132	1	92.59
cis-1,2-Dichloroethene...	MW-211B	33	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-213A	28	0.9718	0.1491	0.02818	1	0.211	1	96.43
cis-1,2-Dichloroethene...	MW-310A	16	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-312A	15	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-38A (bg)	25	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-39B (bg)	25	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-216A	30	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-217A	30	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-218A	30	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-219A	30	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-220A	30	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-18AR	13	1.839	0.7634	0.2117	1.6	0.304	3.4	0
cis-1,2-Dichloroethene...	MW-408	8	0.21	0	0	0.21	0.21	0.21	100
cis-1,2-Dichloroethene...	MW-410	8	0.21	0	0	0.21	0.21	0.21	100
Delta-BHC (ug/L)	MW-34A (bg)	4	0.0327	0	0	0.0327	0.0327	0.0327	100
Delta-BHC (ug/L)	MW-1B	5	0.02368	0.01167	0.00522	0.0289	0.0028	0.0289	80
Delta-BHC (ug/L)	MW-5B	5	0.0288	0	0	0.0288	0.0288	0.0288	100
Delta-BHC (ug/L)	MW-7B1	6	0.0293	0	0	0.0293	0.0293	0.0293	100
Delta-BHC (ug/L)	MW-8B	7	0.0295	0	0	0.0295	0.0295	0.0295	100
Delta-BHC (ug/L)	MW-10B	1	0.0309	0	0	0.0309	0.0309	0.0309	100
Delta-BHC (ug/L)	MW-12B	4	0.05	0	0	0.05	0.05	0.05	100
Delta-BHC (ug/L)	MW-14B	5	0.0289	0	0	0.0289	0.0289	0.0289	100
Delta-BHC (ug/L)	MW-17A-00	5	0.0238	0.01186	0.005302	0.0291	0.00259	0.0291	80
Delta-BHC (ug/L)	MW-23A	5	0.0282	0	0	0.0282	0.0282	0.0282	100
Delta-BHC (ug/L)	MW-24A	5	0.029	0	0	0.029	0.029	0.029	100
Delta-BHC (ug/L)	MW-25A-00	5	0.0289	0	0	0.0289	0.0289	0.0289	100
Delta-BHC (ug/L)	MW-29A	5	0.0286	0	0	0.0286	0.0286	0.0286	100
Delta-BHC (ug/L)	MW-31B	5	0.02354	0.01155	0.005164	0.0287	0.00288	0.0287	80
Delta-BHC (ug/L)	MW-201A	4	0.029	0	0	0.029	0.029	0.029	100
Delta-BHC (ug/L)	MW-202A	4	0.0286	0	0	0.0286	0.0286	0.0286	100
Delta-BHC (ug/L)	MW-203A	4	0.0289	0	0	0.0289	0.0289	0.0289	100
Delta-BHC (ug/L)	MW-204A	4	0.02289	0.01322	0.006608	0.0295	0.00307	0.0295	75
Delta-BHC (ug/L)	MW-208B	4	0.01788	0.01274	0.006371	0.01831	0.00601	0.0289	50

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:16 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Delta-BHC (ug/L)	MW-210B	4	0.0289	0	0	0.0289	0.0289	0.0289	100
Delta-BHC (ug/L)	MW-215A	4	0.0289	0	0	0.0289	0.0289	0.0289	100
Delta-BHC (ug/L)	MW-214A	4	0.0289	0	0	0.0289	0.0289	0.0289	100
Delta-BHC (ug/L)	MW-200A	3	0.05	0	0	0.05	0.05	0.05	100
Delta-BHC (ug/L)	MW-205A	3	0.03847	0.01998	0.01153	0.05	0.0154	0.05	66.67
Delta-BHC (ug/L)	MW-211B	3	0.05	0	0	0.05	0.05	0.05	100
Delta-BHC (ug/L)	MW-213A	3	0.05	0	0	0.05	0.05	0.05	100
Delta-BHC (ug/L)	MW-310A	1	0.032	0	0	0.032	0.032	0.032	100
Delta-BHC (ug/L)	MW-312A	1	0.032	0	0	0.032	0.032	0.032	100
Delta-BHC (ug/L)	MW-38A (bg)	2	0.036	0	0	0.036	0.036	0.036	100
Delta-BHC (ug/L)	MW-216A	3	0.064	0	0	0.064	0.064	0.064	100
Delta-BHC (ug/L)	MW-217A	3	0.0744	0	0	0.0744	0.0744	0.0744	100
Delta-BHC (ug/L)	MW-218A	13	0.0711	0	0	0.0711	0.0711	0.0711	100
Delta-BHC (ug/L)	MW-219A	3	0.064	0	0	0.064	0.064	0.064	100
Delta-BHC (ug/L)	MW-220A	3	0.064	0	0	0.064	0.064	0.064	100
Delta-BHC (ug/L)	MW-18AR	2	0.05	0	0	0.05	0.05	0.05	100
Dichlorodifluoromethan...	MW-34A (bg)	14	3	0	0	3	3	3	100
Dichlorodifluoromethan...	MW-1B	5	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-5B	5	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-7B1	5	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-8B	5	0.2876	0.08408	0.0376	0.25	0.25	0.438	80
Dichlorodifluoromethan...	MW-10B	1	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-12B	4	1	0	0	1	1	1	100
Dichlorodifluoromethan...	MW-14B	5	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-17A-00	5	1.478	1.413	0.6319	0.882	0.251	3	40
Dichlorodifluoromethan...	MW-23A	5	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-24A	5	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-25A-00	5	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-29A	5	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-31B	5	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-201A	4	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-202A	4	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-203A	4	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-204A	4	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-208B	4	0.4288	0.3575	0.1788	0.25	0.25	0.965	75
Dichlorodifluoromethan...	MW-210B	4	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-215A	4	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-214A	4	0.25	0	0	0.25	0.25	0.25	100
Dichlorodifluoromethan...	MW-200A	26	2.18	1.047	0.2053	1.845	0.797	4.51	7.692
Dichlorodifluoromethan...	MW-205A	3	0.7613	0.4134	0.2387	1	0.284	1	66.67
Dichlorodifluoromethan...	MW-211B	3	1	0	0	1	1	1	100
Dichlorodifluoromethan...	MW-213A	3	1	0	0	1	1	1	100
Dichlorodifluoromethan...	MW-310A	1	3	0	0	3	3	3	100
Dichlorodifluoromethan...	MW-312A	1	3	0	0	3	3	3	100
Dichlorodifluoromethan...	MW-38A (bg)	3	3	0	0	3	3	3	100
Dichlorodifluoromethan...	MW-216A	3	3	0	0	3	3	3	100
Dichlorodifluoromethan...	MW-217A	3	3	0	0	3	3	3	100
Dichlorodifluoromethan...	MW-218A	3	3	0	0	3	3	3	100
Dichlorodifluoromethan...	MW-219A	3	3	0	0	3	3	3	100
Dichlorodifluoromethan...	MW-220A	3	3	0	0	3	3	3	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:17 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Dichlorodifluoromethan...	MW-18AR	14	13.57	8.334	2.227	12.8	4.01	33.4	0
Endrin (ug/L)	MW-34A (bg)	3	0.032	0	0	0.032	0.032	0.032	100
Endrin (ug/L)	MW-1B	5	0.0253	0	0	0.0253	0.0253	0.0253	100
Endrin (ug/L)	MW-5B	5	0.0252	0	0	0.0252	0.0252	0.0252	100
Endrin (ug/L)	MW-7B1	6	0.0257	0	0	0.0257	0.0257	0.0257	100
Endrin (ug/L)	MW-8B	7	0.0258	0	0	0.0258	0.0258	0.0258	100
Endrin (ug/L)	MW-10B	1	0.027	0	0	0.027	0.027	0.027	100
Endrin (ug/L)	MW-12B	4	0.05	0	0	0.05	0.05	0.05	100
Endrin (ug/L)	MW-14B	5	0.0213	0.008949	0.004002	0.0253	0.00529	0.0253	80
Endrin (ug/L)	MW-17A-00	5	0.0255	0	0	0.0255	0.0255	0.0255	100
Endrin (ug/L)	MW-23A	5	0.0247	0	0	0.0247	0.0247	0.0247	100
Endrin (ug/L)	MW-24A	5	0.0254	0	0	0.0254	0.0254	0.0254	100
Endrin (ug/L)	MW-25A-00	5	0.0253	0	0	0.0253	0.0253	0.0253	100
Endrin (ug/L)	MW-29A	5	0.0251	0	0	0.0251	0.0251	0.0251	100
Endrin (ug/L)	MW-31B	5	0.0251	0	0	0.0251	0.0251	0.0251	100
Endrin (ug/L)	MW-201A	4	0.0254	0	0	0.0254	0.0254	0.0254	100
Endrin (ug/L)	MW-202A	4	0.0251	0	0	0.0251	0.0251	0.0251	100
Endrin (ug/L)	MW-203A	4	0.0253	0	0	0.0253	0.0253	0.0253	100
Endrin (ug/L)	MW-204A	4	0.0258	0	0	0.0258	0.0258	0.0258	100
Endrin (ug/L)	MW-208B	20	0.03728	0.03467	0.007753	0.0253	0.00438	0.122	50
Endrin (ug/L)	MW-210B	4	0.0253	0	0	0.0253	0.0253	0.0253	100
Endrin (ug/L)	MW-215A	4	0.0253	0	0	0.0253	0.0253	0.0253	100
Endrin (ug/L)	MW-214A	4	0.0253	0	0	0.0253	0.0253	0.0253	100
Endrin (ug/L)	MW-200A	3	0.05	0	0	0.05	0.05	0.05	100
Endrin (ug/L)	MW-205A	3	0.03451	0.02682	0.01549	0.05	0.00354	0.05	66.67
Endrin (ug/L)	MW-211B	3	0.03873	0.01951	0.01127	0.05	0.0162	0.05	66.67
Endrin (ug/L)	MW-213A	3	0.05	0	0	0.05	0.05	0.05	100
Endrin (ug/L)	MW-310A	1	0.032	0	0	0.032	0.032	0.032	100
Endrin (ug/L)	MW-312A	1	0.032	0	0	0.032	0.032	0.032	100
Endrin (ug/L)	MW-38A (bg)	1	0.032	0	0	0.032	0.032	0.032	100
Endrin (ug/L)	MW-216A	3	0.064	0	0	0.064	0.064	0.064	100
Endrin (ug/L)	MW-217A	3	0.0744	0	0	0.0744	0.0744	0.0744	100
Endrin (ug/L)	MW-218A	3	0.0711	0	0	0.0711	0.0711	0.0711	100
Endrin (ug/L)	MW-219A	3	0.064	0	0	0.064	0.064	0.064	100
Endrin (ug/L)	MW-220A	3	0.064	0	0	0.064	0.064	0.064	100
Endrin (ug/L)	MW-18AR	2	0.05	0	0	0.05	0.05	0.05	100
Endrin aldehyde (ug/L)	MW-34A (bg)	9	0.032	0	0	0.032	0.032	0.032	100
Endrin aldehyde (ug/L)	MW-1B	5	0.0244	0	0	0.0244	0.0244	0.0244	100
Endrin aldehyde (ug/L)	MW-5B	5	0.0243	0	0	0.0243	0.0243	0.0243	100
Endrin aldehyde (ug/L)	MW-7B1	6	0.0247	0	0	0.0247	0.0247	0.0247	100
Endrin aldehyde (ug/L)	MW-8B	7	0.02286	0.005405	0.002043	0.0249	0.0106	0.0249	85.71
Endrin aldehyde (ug/L)	MW-10B	1	0.026	0	0	0.026	0.026	0.026	100
Endrin aldehyde (ug/L)	MW-12B	4	0.02778	0.01185	0.005925	0.0337	0.01	0.0337	75
Endrin aldehyde (ug/L)	MW-14B	5	0.0244	0	0	0.0244	0.0244	0.0244	100
Endrin aldehyde (ug/L)	MW-17A-00	5	0.0245	0	0	0.0245	0.0245	0.0245	100
Endrin aldehyde (ug/L)	MW-23A	5	0.0238	0	0	0.0238	0.0238	0.0238	100
Endrin aldehyde (ug/L)	MW-24A	5	0.0245	0	0	0.0245	0.0245	0.0245	100
Endrin aldehyde (ug/L)	MW-25A-00	5	0.0244	0	0	0.0244	0.0244	0.0244	100
Endrin aldehyde (ug/L)	MW-29A	5	0.0242	0	0	0.0242	0.0242	0.0242	100
Endrin aldehyde (ug/L)	MW-31B	5	0.0242	0	0	0.0242	0.0242	0.0242	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:17 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Endrin aldehyde (ug/L)	MW-201A	4	0.0245	0	0	0.0245	0.0245	0.0245	100
Endrin aldehyde (ug/L)	MW-202A	4	0.0242	0	0	0.0242	0.0242	0.0242	100
Endrin aldehyde (ug/L)	MW-203A	4	0.0244	0	0	0.0244	0.0244	0.0244	100
Endrin aldehyde (ug/L)	MW-204A	4	0.0249	0	0	0.0249	0.0249	0.0249	100
Endrin aldehyde (ug/L)	MW-208B	4	0.02105	0.0067	0.00335	0.0244	0.011	0.0244	75
Endrin aldehyde (ug/L)	MW-210B	4	0.0244	0	0	0.0244	0.0244	0.0244	100
Endrin aldehyde (ug/L)	MW-215A	4	0.0244	0	0	0.0244	0.0244	0.0244	100
Endrin aldehyde (ug/L)	MW-214A	4	0.0244	0	0	0.0244	0.0244	0.0244	100
Endrin aldehyde (ug/L)	MW-200A	3	0.05	0	0	0.05	0.05	0.05	100
Endrin aldehyde (ug/L)	MW-205A	3	0.05	0	0	0.05	0.05	0.05	100
Endrin aldehyde (ug/L)	MW-211B	3	0.03664	0.02314	0.01336	0.05	0.00992	0.05	66.67
Endrin aldehyde (ug/L)	MW-213A	3	0.05	0	0	0.05	0.05	0.05	100
Endrin aldehyde (ug/L)	MW-310A	1	0.032	0	0	0.032	0.032	0.032	100
Endrin aldehyde (ug/L)	MW-312A	1	0.032	0	0	0.032	0.032	0.032	100
Endrin aldehyde (ug/L)	MW-38A (bg)	4	0.032	0	0	0.032	0.032	0.032	100
Endrin aldehyde (ug/L)	MW-39B (bg)	1	0.05	0	0	0.05	0.05	0.05	100
Endrin aldehyde (ug/L)	MW-216A	3	0.064	0	0	0.064	0.064	0.064	100
Endrin aldehyde (ug/L)	MW-217A	3	0.0744	0	0	0.0744	0.0744	0.0744	100
Endrin aldehyde (ug/L)	MW-218A	3	0.0711	0	0	0.0711	0.0711	0.0711	100
Endrin aldehyde (ug/L)	MW-219A	3	0.064	0	0	0.064	0.064	0.064	100
Endrin aldehyde (ug/L)	MW-220A	3	0.064	0	0	0.064	0.064	0.064	100
Endrin aldehyde (ug/L)	MW-18AR	2	0.05	0	0	0.05	0.05	0.05	100
Ethylbenzene (ug/L)	MW-34A (bg)	36	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-1B	36	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-5B	30	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-7B1	30	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-8B	29	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-10B	13	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-12B	29	1	0	0	1	1	1	100
Ethylbenzene (ug/L)	MW-14B	30	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-17A-00	31	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-23A	31	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-24A	29	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-25A-00	36	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-29A	37	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-31B	40	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-201A	33	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-202A	29	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-203A	29	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-204A	31	0.4952	0.4517	0.08112	0.31	0.31	1.93	83.87
Ethylbenzene (ug/L)	MW-208B	27	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-210B	28	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-215A	27	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-214A	28	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-200A	34	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-205A	27	1	0	0	1	1	1	100
Ethylbenzene (ug/L)	MW-211B	33	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-213A	28	1	0	0	1	1	1	100
Ethylbenzene (ug/L)	MW-310A	16	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-312A	15	0.31	0	0	0.31	0.31	0.31	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:17 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Ethylbenzene (ug/L)	MW-38A (bg)	25	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-39B (bg)	25	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-216A	30	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-217A	30	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-218A	30	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-219A	30	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-220A	30	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-18AR	14	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-408	8	0.31	0	0	0.31	0.31	0.31	100
Ethylbenzene (ug/L)	MW-410	8	0.31	0	0	0.31	0.31	0.31	100
Heptachlor (ug/L)	MW-34A (bg)	9	0.032	0	0	0.032	0.032	0.032	100
Heptachlor (ug/L)	MW-1B	5	0.0208	0	0	0.0208	0.0208	0.0208	100
Heptachlor (ug/L)	MW-5B	5	0.0173	0.007612	0.003404	0.0207	0.00368	0.0207	80
Heptachlor (ug/L)	MW-7B1	6	0.0211	0	0	0.0211	0.0211	0.0211	100
Heptachlor (ug/L)	MW-8B	7	0.0212	0	0	0.0212	0.0212	0.0212	100
Heptachlor (ug/L)	MW-10B	1	0.0222	0	0	0.0222	0.0222	0.0222	100
Heptachlor (ug/L)	MW-12B	4	0.05	0	0	0.05	0.05	0.05	100
Heptachlor (ug/L)	MW-14B	5	0.01756	0.007245	0.00324	0.0208	0.0046	0.0208	80
Heptachlor (ug/L)	MW-17A-00	5	0.01805	0.006368	0.002848	0.0209	0.00666	0.0209	80
Heptachlor (ug/L)	MW-23A	5	0.0203	0	0	0.0203	0.0203	0.0203	100
Heptachlor (ug/L)	MW-24A	5	0.0209	0	0	0.0209	0.0209	0.0209	100
Heptachlor (ug/L)	MW-25A-00	5	0.0208	0	0	0.0208	0.0208	0.0208	100
Heptachlor (ug/L)	MW-29A	5	0.0206	0	0	0.0206	0.0206	0.0206	100
Heptachlor (ug/L)	MW-31B	5	0.0206	0	0	0.0206	0.0206	0.0206	100
Heptachlor (ug/L)	MW-201A	4	0.0209	0	0	0.0209	0.0209	0.0209	100
Heptachlor (ug/L)	MW-202A	4	0.0206	0	0	0.0206	0.0206	0.0206	100
Heptachlor (ug/L)	MW-203A	4	0.0207	0	0	0.0207	0.0207	0.0207	100
Heptachlor (ug/L)	MW-204A	4	0.0212	0	0	0.0212	0.0212	0.0212	100
Heptachlor (ug/L)	MW-208B	11	0.02124	0.006222	0.001876	0.0207	0.00999	0.0373	81.82
Heptachlor (ug/L)	MW-210B	4	0.0208	0	0	0.0208	0.0208	0.0208	100
Heptachlor (ug/L)	MW-215A	4	0.0208	0	0	0.0208	0.0208	0.0208	100
Heptachlor (ug/L)	MW-214A	4	0.0208	0	0	0.0208	0.0208	0.0208	100
Heptachlor (ug/L)	MW-200A	3	0.05	0	0	0.05	0.05	0.05	100
Heptachlor (ug/L)	MW-205A	3	0.03463	0.02663	0.01537	0.05	0.00388	0.05	66.67
Heptachlor (ug/L)	MW-211B	3	0.05	0	0	0.05	0.05	0.05	100
Heptachlor (ug/L)	MW-213A	3	0.05	0	0	0.05	0.05	0.05	100
Heptachlor (ug/L)	MW-310A	1	0.032	0	0	0.032	0.032	0.032	100
Heptachlor (ug/L)	MW-312A	1	0.032	0	0	0.032	0.032	0.032	100
Heptachlor (ug/L)	MW-38A (bg)	3	0.032	0	0	0.032	0.032	0.032	100
Heptachlor (ug/L)	MW-39B (bg)	1	0.05	0	0	0.05	0.05	0.05	100
Heptachlor (ug/L)	MW-216A	3	0.064	0	0	0.064	0.064	0.064	100
Heptachlor (ug/L)	MW-217A	3	0.0744	0	0	0.0744	0.0744	0.0744	100
Heptachlor (ug/L)	MW-218A	3	0.0711	0	0	0.0711	0.0711	0.0711	100
Heptachlor (ug/L)	MW-219A	3	0.064	0	0	0.064	0.064	0.064	100
Heptachlor (ug/L)	MW-220A	3	0.064	0	0	0.064	0.064	0.064	100
Heptachlor (ug/L)	MW-18AR	2	0.05	0	0	0.05	0.05	0.05	100
Isobutanol (mg/L)	MW-34A (bg)	2	10	0	0	10	10	10	100
Isobutanol (mg/L)	MW-1B	5	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-5B	5	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-7B1	5	2.4	0	0	2.4	2.4	2.4	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:17 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Isobutanol (mg/L)	MW-8B	5	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-10B	1	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-12B	4	1	0	0	1	1	1	100
Isobutanol (mg/L)	MW-14B	5	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-17A-00	5	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-23A	5	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-24A	5	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-25A-00	5	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-29A	5	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-31B	5	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-201A	4	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-202A	4	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-203A	4	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-204A	4	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-208B	4	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-210B	4	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-215A	4	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-214A	4	2.4	0	0	2.4	2.4	2.4	100
Isobutanol (mg/L)	MW-200A	3	1	0	0	1	1	1	100
Isobutanol (mg/L)	MW-205A	3	1	0	0	1	1	1	100
Isobutanol (mg/L)	MW-211B	3	1	0	0	1	1	1	100
Isobutanol (mg/L)	MW-213A	3	1	0	0	1	1	1	100
Isobutanol (mg/L)	MW-310A	1	10	0	0	10	10	10	100
Isobutanol (mg/L)	MW-312A	1	10	0	0	10	10	10	100
Isobutanol (mg/L)	MW-216A	3	10	0	0	10	10	10	100
Isobutanol (mg/L)	MW-217A	3	10	0	0	10	10	10	100
Isobutanol (mg/L)	MW-218A	3	10	0	0	10	10	10	100
Isobutanol (mg/L)	MW-219A	3	10	0	0	10	10	10	100
Isobutanol (mg/L)	MW-220A	3	10	0	0	10	10	10	100
Isobutanol (mg/L)	MW-18AR	2	1	0	0	1	1	1	100
m/p-Cresol (ug/L)	MW-34A (bg)	3	10.2	0	0	10.2	10.2	10.2	100
m/p-Cresol (ug/L)	MW-1B	4	10.4	0	0	10.4	10.4	10.4	100
m/p-Cresol (ug/L)	MW-5B	4	10.4	0	0	10.4	10.4	10.4	100
m/p-Cresol (ug/L)	MW-7B1	4	10.4	0	0	10.4	10.4	10.4	100
m/p-Cresol (ug/L)	MW-8B	4	10.2	0	0	10.2	10.2	10.2	100
m/p-Cresol (ug/L)	MW-12B	4	8	0	0	8	8	8	100
m/p-Cresol (ug/L)	MW-14B	4	10.2	0	0	10.2	10.2	10.2	100
m/p-Cresol (ug/L)	MW-17A-00	4	10.4	0	0	10.4	10.4	10.4	100
m/p-Cresol (ug/L)	MW-23A	4	10.8	0	0	10.8	10.8	10.8	100
m/p-Cresol (ug/L)	MW-24A	4	10.3	0	0	10.3	10.3	10.3	100
m/p-Cresol (ug/L)	MW-25A-00	4	10.5	0	0	10.5	10.5	10.5	100
m/p-Cresol (ug/L)	MW-29A	4	10.3	0	0	10.3	10.3	10.3	100
m/p-Cresol (ug/L)	MW-31B	4	10.3	0	0	10.3	10.3	10.3	100
m/p-Cresol (ug/L)	MW-201A	3	10.4	0	0	10.4	10.4	10.4	100
m/p-Cresol (ug/L)	MW-202A	3	10.4	0	0	10.4	10.4	10.4	100
m/p-Cresol (ug/L)	MW-203A	3	10.5	0	0	10.5	10.5	10.5	100
m/p-Cresol (ug/L)	MW-204A	3	10.1	0	0	10.1	10.1	10.1	100
m/p-Cresol (ug/L)	MW-208B	3	10.4	0	0	10.4	10.4	10.4	100
m/p-Cresol (ug/L)	MW-210B	3	10.4	0	0	10.4	10.4	10.4	100
m/p-Cresol (ug/L)	MW-215A	3	10.4	0	0	10.4	10.4	10.4	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:17 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
m/p-Cresol (ug/L)	MW-214A	3	10.4	0	0	10.4	10.4	10.4	100
m/p-Cresol (ug/L)	MW-200A	3	8	0	0	8	8	8	100
m/p-Cresol (ug/L)	MW-205A	3	8	0	0	8	8	8	100
m/p-Cresol (ug/L)	MW-211B	3	8	0	0	8	8	8	100
m/p-Cresol (ug/L)	MW-213A	3	8	0	0	8	8	8	100
m/p-Cresol (ug/L)	MW-310A	1	10	0	0	10	10	10	100
m/p-Cresol (ug/L)	MW-312A	1	10	0	0	10	10	10	100
m/p-Cresol (ug/L)	MW-38A (bg)	1	10.1	0	0	10.1	10.1	10.1	100
m/p-Cresol (ug/L)	MW-216A	3	10.6	0	0	10.6	10.6	10.6	100
m/p-Cresol (ug/L)	MW-217A	3	10	0	0	10	10	10	100
m/p-Cresol (ug/L)	MW-218A	3	9.8	0	0	9.8	9.8	9.8	100
m/p-Cresol (ug/L)	MW-219A	5	10.6	0	0	10.6	10.6	10.6	100
m/p-Cresol (ug/L)	MW-220A	3	10	0	0	10	10	10	100
m/p-Cresol (ug/L)	MW-18AR	2	8	0	0	8	8	8	100
O-Toluidine (ug/L)	MW-34A (bg)	3	10.2	0	0	10.2	10.2	10.2	100
O-Toluidine (ug/L)	MW-1B	5	3.02	0	0	3.02	3.02	3.02	100
O-Toluidine (ug/L)	MW-5B	5	3.02	0	0	3.02	3.02	3.02	100
O-Toluidine (ug/L)	MW-7B1	5	3.02	0	0	3.02	3.02	3.02	100
O-Toluidine (ug/L)	MW-8B	5	3.02	0	0	3.02	3.02	3.02	100
O-Toluidine (ug/L)	MW-10B	1	3.09	0	0	3.09	3.09	3.09	100
O-Toluidine (ug/L)	MW-12B	4	8	0	0	8	8	8	100
O-Toluidine (ug/L)	MW-14B	5	3.02	0	0	3.02	3.02	3.02	100
O-Toluidine (ug/L)	MW-17A-00	5	3.02	0	0	3.02	3.02	3.02	100
O-Toluidine (ug/L)	MW-23A	5	2.84	0	0	2.84	2.84	2.84	100
O-Toluidine (ug/L)	MW-24A	5	2.96	0	0	2.96	2.96	2.96	100
O-Toluidine (ug/L)	MW-25A-00	5	3.09	0	0	3.09	3.09	3.09	100
O-Toluidine (ug/L)	MW-29A	5	2.96	0	0	2.96	2.96	2.96	100
O-Toluidine (ug/L)	MW-31B	5	3.09	0	0	3.09	3.09	3.09	100
O-Toluidine (ug/L)	MW-201A	4	3.02	0	0	3.02	3.02	3.02	100
O-Toluidine (ug/L)	MW-202A	4	3.02	0	0	3.02	3.02	3.02	100
O-Toluidine (ug/L)	MW-203A	4	3.09	0	0	3.09	3.09	3.09	100
O-Toluidine (ug/L)	MW-204A	4	2.56	0.92	0.46	3.02	1.18	3.02	75
O-Toluidine (ug/L)	MW-208B	4	2.96	0	0	2.96	2.96	2.96	100
O-Toluidine (ug/L)	MW-210B	4	2.9	0	0	2.9	2.9	2.9	100
O-Toluidine (ug/L)	MW-215A	4	3.09	0	0	3.09	3.09	3.09	100
O-Toluidine (ug/L)	MW-214A	4	3.02	0	0	3.02	3.02	3.02	100
O-Toluidine (ug/L)	MW-200A	3	8	0	0	8	8	8	100
O-Toluidine (ug/L)	MW-205A	3	8	0	0	8	8	8	100
O-Toluidine (ug/L)	MW-211B	3	8	0	0	8	8	8	100
O-Toluidine (ug/L)	MW-213A	3	8	0	0	8	8	8	100
O-Toluidine (ug/L)	MW-310A	1	10	0	0	10	10	10	100
O-Toluidine (ug/L)	MW-312A	1	10	0	0	10	10	10	100
O-Toluidine (ug/L)	MW-38A (bg)	1	10.1	0	0	10.1	10.1	10.1	100
O-Toluidine (ug/L)	MW-216A	3	10.6	0	0	10.6	10.6	10.6	100
O-Toluidine (ug/L)	MW-217A	3	10	0	0	10	10	10	100
O-Toluidine (ug/L)	MW-218A	3	9.8	0	0	9.8	9.8	9.8	100
O-Toluidine (ug/L)	MW-219A	5	10.6	0	0	10.6	10.6	10.6	100
O-Toluidine (ug/L)	MW-220A	3	10	0	0	10	10	10	100
O-Toluidine (ug/L)	MW-18AR	2	8	0	0	8	8	8	100
Phenol (ug/L)	MW-34A (bg)	3	10.2	0	0	10.2	10.2	10.2	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:17 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Phenol (ug/L)	MW-1B	5	1.15	0	0	1.15	1.15	1.15	100
Phenol (ug/L)	MW-5B	5	1.15	0	0	1.15	1.15	1.15	100
Phenol (ug/L)	MW-7B1	5	1.15	0	0	1.15	1.15	1.15	100
Phenol (ug/L)	MW-8B	5	1.15	0	0	1.15	1.15	1.15	100
Phenol (ug/L)	MW-10B	1	1.17	0	0	1.17	1.17	1.17	100
Phenol (ug/L)	MW-12B	4	8	0	0	8	8	8	100
Phenol (ug/L)	MW-14B	5	1.15	0	0	1.15	1.15	1.15	100
Phenol (ug/L)	MW-17A-00	5	1.15	0	0	1.15	1.15	1.15	100
Phenol (ug/L)	MW-23A	5	1.08	0	0	1.08	1.08	1.08	100
Phenol (ug/L)	MW-24A	5	1.12	0	0	1.12	1.12	1.12	100
Phenol (ug/L)	MW-25A-00	5	1.17	0	0	1.17	1.17	1.17	100
Phenol (ug/L)	MW-29A	5	1.12	0	0	1.12	1.12	1.12	100
Phenol (ug/L)	MW-31B	5	1.17	0	0	1.17	1.17	1.17	100
Phenol (ug/L)	MW-201A	4	1.15	0	0	1.15	1.15	1.15	100
Phenol (ug/L)	MW-202A	4	1.15	0	0	1.15	1.15	1.15	100
Phenol (ug/L)	MW-203A	4	1.17	0	0	1.17	1.17	1.17	100
Phenol (ug/L)	MW-204A	4	1.15	0	0	1.15	1.15	1.15	100
Phenol (ug/L)	MW-208B	4	1.12	0	0	1.12	1.12	1.12	100
Phenol (ug/L)	MW-210B	4	1.1	0	0	1.1	1.1	1.1	100
Phenol (ug/L)	MW-215A	4	1.17	0	0	1.17	1.17	1.17	100
Phenol (ug/L)	MW-214A	4	1.15	0	0	1.15	1.15	1.15	100
Phenol (ug/L)	MW-200A	3	8	0	0	8	8	8	100
Phenol (ug/L)	MW-205A	3	8	0	0	8	8	8	100
Phenol (ug/L)	MW-211B	3	8	0	0	8	8	8	100
Phenol (ug/L)	MW-213A	3	8	0	0	8	8	8	100
Phenol (ug/L)	MW-310A	1	10	0	0	10	10	10	100
Phenol (ug/L)	MW-312A	1	10	0	0	10	10	10	100
Phenol (ug/L)	MW-38A (bg)	1	10.1	0	0	10.1	10.1	10.1	100
Phenol (ug/L)	MW-216A	3	10.6	0	0	10.6	10.6	10.6	100
Phenol (ug/L)	MW-217A	3	10	0	0	10	10	10	100
Phenol (ug/L)	MW-218A	3	9.8	0	0	9.8	9.8	9.8	100
Phenol (ug/L)	MW-219A	5	10.6	0	0	10.6	10.6	10.6	100
Phenol (ug/L)	MW-220A	3	10	0	0	10	10	10	100
Phenol (ug/L)	MW-18AR	2	8	0	0	8	8	8	100
Tetrachloroethene (ug/L)	MW-34A (bg)	39	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-1B	36	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-5B	30	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-7B1	30	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-8B	29	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-10B	13	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-12B	29	1	0	0	1	1	1	100
Tetrachloroethene (ug/L)	MW-14B	30	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-17A-00	31	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-23A	31	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-24A	29	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-25A-00	36	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-29A	37	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-31B	40	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-201A	33	0.4917	0.1734	0.03019	0.48	0.194	1.39	90.91
Tetrachloroethene (ug/L)	MW-202A	29	0.48	0	0	0.48	0.48	0.48	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:17 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Tetrachloroethene (ug/L)	MW-203A	29	0.4571	0.09374	0.01741	0.48	0.223	0.765	75.86
Tetrachloroethene (ug/L)	MW-204A	28	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-208B	27	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-210B	28	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-215A	27	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-214A	28	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-200A	34	0.4806	0.00343	0.0005882	0.48	0.48	0.5	97.06
Tetrachloroethene (ug/L)	MW-205A	27	1	0	0	1	1	1	100
Tetrachloroethene (ug/L)	MW-211B	33	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-213A	28	1	0	0	1	1	1	100
Tetrachloroethene (ug/L)	MW-310A	16	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-312A	29	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-38A (bg)	25	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-39B (bg)	25	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-216A	30	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-217A	30	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-218A	30	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-219A	30	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-220A	30	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-18AR	13	4.33	0.5544	0.1538	4.22	3.6	5.5	0
Tetrachloroethene (ug/L)	MW-408	8	0.48	0	0	0.48	0.48	0.48	100
Tetrachloroethene (ug/L)	MW-410	8	0.48	0	0	0.48	0.48	0.48	100
Toluene (ug/L)	MW-34A (bg)	36	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-1B	35	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-5B	29	0.4456	0.06259	0.01162	0.43	0.424	0.735	89.66
Toluene (ug/L)	MW-7B1	30	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-8B	29	0.4221	0.04271	0.007931	0.43	0.2	0.43	96.55
Toluene (ug/L)	MW-10B	13	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-12B	29	1	0	0	1	1	1	100
Toluene (ug/L)	MW-14B	30	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-17A-00	31	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-23A	30	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-24A	29	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-25A-00	36	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-29A	37	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-31B	40	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-201A	33	0.4261	0.02263	0.003939	0.43	0.3	0.43	96.97
Toluene (ug/L)	MW-202A	29	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-203A	29	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-204A	28	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-208B	27	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-210B	28	0.4372	0.03789	0.007161	0.43	0.43	0.6305	96.43
Toluene (ug/L)	MW-215A	27	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-214A	28	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-200A	34	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-205A	27	0.9698	0.2424	0.04666	1	0.231	1.67	88.89
Toluene (ug/L)	MW-211B	33	0.4225	0.04317	0.007515	0.43	0.182	0.43	96.97
Toluene (ug/L)	MW-213A	28	1	0	0	1	1	1	100
Toluene (ug/L)	MW-310A	16	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-312A	15	0.4213	0.03357	0.008667	0.43	0.3	0.43	93.33

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:17 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Toluene (ug/L)	MW-38A (bg)	25	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-39B (bg)	25	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-216A	30	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-217A	30	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-218A	30	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-219A	30	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-220A	30	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-18AR	14	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-408	8	0.43	0	0	0.43	0.43	0.43	100
Toluene (ug/L)	MW-410	8	0.43	0	0	0.43	0.43	0.43	100
Toxaphene (ug/L)	MW-34A (bg)	7	2	0	0	2	2	2	100
Toxaphene (ug/L)	MW-1B	5	0.904	0	0	0.904	0.904	0.904	100
Toxaphene (ug/L)	MW-5B	5	0.9	0	0	0.9	0.9	0.9	100
Toxaphene (ug/L)	MW-7B1	19	0.9915	0.329	0.07547	0.916	0.916	2.35	94.74
Toxaphene (ug/L)	MW-8B	19	1.471	1.306	0.2997	0.921	0.921	4.52	84.21
Toxaphene (ug/L)	MW-10B	1	0.964	0	0	0.964	0.964	0.964	100
Toxaphene (ug/L)	MW-12B	4	0.2	0	0	0.2	0.2	0.2	100
Toxaphene (ug/L)	MW-14B	5	0.904	0	0	0.904	0.904	0.904	100
Toxaphene (ug/L)	MW-17A-00	5	0.909	0	0	0.909	0.909	0.909	100
Toxaphene (ug/L)	MW-23A	5	0.882	0	0	0.882	0.882	0.882	100
Toxaphene (ug/L)	MW-24A	5	0.907	0	0	0.907	0.907	0.907	100
Toxaphene (ug/L)	MW-25A-00	5	0.904	0	0	0.904	0.904	0.904	100
Toxaphene (ug/L)	MW-29A	5	0.895	0	0	0.895	0.895	0.895	100
Toxaphene (ug/L)	MW-31B	5	0.897	0	0	0.897	0.897	0.897	100
Toxaphene (ug/L)	MW-201A	4	0.907	0	0	0.907	0.907	0.907	100
Toxaphene (ug/L)	MW-202A	4	0.895	0	0	0.895	0.895	0.895	100
Toxaphene (ug/L)	MW-203A	4	0.902	0	0	0.902	0.902	0.902	100
Toxaphene (ug/L)	MW-204A	4	0.921	0	0	0.921	0.921	0.921	100
Toxaphene (ug/L)	MW-208B	4	0.902	0	0	0.902	0.902	0.902	100
Toxaphene (ug/L)	MW-210B	4	0.904	0	0	0.904	0.904	0.904	100
Toxaphene (ug/L)	MW-215A	4	0.904	0	0	0.904	0.904	0.904	100
Toxaphene (ug/L)	MW-214A	4	0.904	0	0	0.904	0.904	0.904	100
Toxaphene (ug/L)	MW-200A	3	0.2	0	0	0.2	0.2	0.2	100
Toxaphene (ug/L)	MW-205A	3	0.2	0	0	0.2	0.2	0.2	100
Toxaphene (ug/L)	MW-211B	3	0.2	0	0	0.2	0.2	0.2	100
Toxaphene (ug/L)	MW-213A	3	0.2	0	0	0.2	0.2	0.2	100
Toxaphene (ug/L)	MW-310A	1	2	0	0	2	2	2	100
Toxaphene (ug/L)	MW-312A	1	2	0	0	2	2	2	100
Toxaphene (ug/L)	MW-38A (bg)	1	2	0	0	2	2	2	100
Toxaphene (ug/L)	MW-39B (bg)	2	2.02	0	0	2.02	2.02	2.02	100
Toxaphene (ug/L)	MW-216A	3	2	0	0	2	2	2	100
Toxaphene (ug/L)	MW-217A	3	2.33	0	0	2.33	2.33	2.33	100
Toxaphene (ug/L)	MW-218A	3	2.22	0	0	2.22	2.22	2.22	100
Toxaphene (ug/L)	MW-219A	3	2	0	0	2	2	2	100
Toxaphene (ug/L)	MW-220A	3	2	0	0	2	2	2	100
Toxaphene (ug/L)	MW-18AR	2	0.2	0	0	0.2	0.2	0.2	100
trans-1,2-Dichloroethe...	MW-34A (bg)	36	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-1B	36	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-5B	30	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-7B1	30	0.27	0	0	0.27	0.27	0.27	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:17 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
trans-1,2-Dichloroethe...	MW-8B	29	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-10B	13	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-12B	29	1	0	0	1	1	1	100
trans-1,2-Dichloroethe...	MW-14B	30	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-17A-00	31	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-23A	31	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-24A	29	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-25A-00	36	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-29A	37	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-31B	40	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-201A	33	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-202A	29	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-203A	29	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-204A	28	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-208B	27	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-210B	28	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-215A	27	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-214A	28	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-200A	34	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-205A	27	1	0	0	1	1	1	100
trans-1,2-Dichloroethe...	MW-211B	33	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-213A	28	1	0	0	1	1	1	100
trans-1,2-Dichloroethe...	MW-310A	16	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-312A	15	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-38A (bg)	25	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-39B (bg)	25	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-216A	30	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-217A	30	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-218A	30	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-219A	30	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-220A	30	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-18AR	14	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-408	8	0.27	0	0	0.27	0.27	0.27	100
trans-1,2-Dichloroethe...	MW-410	8	0.27	0	0	0.27	0.27	0.27	100
Trichloroethene (ug/L)	MW-34A (bg)	39	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-1B	36	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-5B	30	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-7B1	30	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-8B	29	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-10B	13	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-12B	29	1	0	0	1	1	1	100
Trichloroethene (ug/L)	MW-14B	30	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-17A-00	31	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-23A	31	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-24A	29	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-25A-00	36	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-29A	37	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-31B	40	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-201A	33	0.7401	0.9347	0.1627	0.43	0.301	5.11	75.76
Trichloroethene (ug/L)	MW-202A	29	0.43	0	0	0.43	0.43	0.43	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:17 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Trichloroethene (ug/L)	MW-203A	29	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-204A	28	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-208B	27	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-210B	28	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-215A	27	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-214A	28	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-200A	34	0.4291	0.005145	0.0008824	0.43	0.4	0.43	97.06
Trichloroethene (ug/L)	MW-205A	27	0.9778	0.1155	0.02222	1	0.4	1	96.3
Trichloroethene (ug/L)	MW-211B	33	0.4291	0.005222	0.0009091	0.43	0.4	0.43	96.97
Trichloroethene (ug/L)	MW-213A	28	1	0	0	1	1	1	100
Trichloroethene (ug/L)	MW-310A	16	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-312A	29	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-38A (bg)	25	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-39B (bg)	25	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-216A	30	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-217A	30	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-218A	30	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-219A	30	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-220A	30	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-18AR	13	1.626	0.4619	0.1281	1.6	0.807	2.41	0
Trichloroethene (ug/L)	MW-408	8	0.43	0	0	0.43	0.43	0.43	100
Trichloroethene (ug/L)	MW-410	8	0.43	0	0	0.43	0.43	0.43	100
Trichlorofluoromethane...	MW-34A (bg)	36	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-1B	36	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-5B	30	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-7B1	30	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-8B	29	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-10B	13	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-12B	29	4	0	0	4	4	4	100
Trichlorofluoromethane...	MW-14B	30	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-17A-00	31	0.364	0.05132	0.009218	0.38	0.218	0.414	64.52
Trichlorofluoromethane...	MW-23A	31	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-24A	29	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-25A-00	36	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-29A	37	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-31B	40	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-201A	33	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-202A	29	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-203A	29	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-204A	28	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-208B	27	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-210B	28	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-215A	27	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-214A	28	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-200A	34	0.3554	0.06034	0.01035	0.38	0.184	0.38	85.29
Trichlorofluoromethane...	MW-205A	27	1	0	0	1	1	1	100
Trichlorofluoromethane...	MW-211B	33	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-213A	28	4	0	0	4	4	4	100
Trichlorofluoromethane...	MW-310A	16	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-312A	15	0.38	0	0	0.38	0.38	0.38	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:17 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Trichlorofluoromethane...	MW-38A (bg)	25	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-39B (bg)	25	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-216A	30	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-217A	30	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-218A	30	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-219A	30	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-220A	30	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-18AR	13	4.468	2.664	0.7388	4.2	1.43	8.43	0
Trichlorofluoromethane...	MW-408	8	0.38	0	0	0.38	0.38	0.38	100
Trichlorofluoromethane...	MW-410	8	0.38	0	0	0.38	0.38	0.38	100
Vinyl Chloride (ug/L)	MW-34A (bg)	39	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-1B	36	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-5B	30	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-7B1	30	0.8181	0.313	0.05714	1	0.12	1	73.33
Vinyl Chloride (ug/L)	MW-8B	29	0.1808	0.004085	0.0007586	0.18	0.18	0.202	96.55
Vinyl Chloride (ug/L)	MW-10B	13	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-12B	29	1	0	0	1	1	1	100
Vinyl Chloride (ug/L)	MW-14B	30	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-17A-00	31	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-23A	31	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-24A	29	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-25A-00	36	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-29A	37	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-31B	40	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-201A	33	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-202A	29	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-203A	29	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-204A	28	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-208B	27	0.1771	0.01501	0.002889	0.18	0.102	0.18	96.3
Vinyl Chloride (ug/L)	MW-210B	28	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-215A	27	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-214A	28	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-200A	34	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-205A	27	1	0	0	1	1	1	100
Vinyl Chloride (ug/L)	MW-211B	33	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-213A	28	1	0	0	1	1	1	100
Vinyl Chloride (ug/L)	MW-310A	16	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-312A	29	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-38A (bg)	25	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-39B (bg)	25	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-216A	30	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-217A	30	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-218A	30	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-219A	30	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-220A	30	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-18AR	14	0.2392	0.1134	0.03031	0.18	0.18	0.5	71.43
Vinyl Chloride (ug/L)	MW-408	8	0.18	0	0	0.18	0.18	0.18	100
Vinyl Chloride (ug/L)	MW-410	8	0.18	0	0	0.18	0.18	0.18	100
Xylenes, Total (ug/L)	MW-34A (bg)	32	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-1B	36	0.4	0	0	0.4	0.4	0.4	100

Box & Whiskers Plot

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:17 AM

Constituent	Well	N	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
Xylenes, Total (ug/L)	MW-5B	30	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-7B1	30	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-8B	29	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-10B	13	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-12B	29	3	0	0	3	3	3	100
Xylenes, Total (ug/L)	MW-14B	30	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-17A-00	31	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-23A	31	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-24A	29	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-25A-00	36	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-29A	37	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-31B	40	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-201A	33	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-202A	29	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-203A	29	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-204A	27	0.384	0.05787	0.01114	0.4	0.172	0.4	92.59
Xylenes, Total (ug/L)	MW-208B	27	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-210B	28	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-215A	27	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-214A	28	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-200A	34	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-205A	27	2	0	0	2	2	2	100
Xylenes, Total (ug/L)	MW-211B	33	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-213A	28	3	0	0	3	3	3	100
Xylenes, Total (ug/L)	MW-310A	16	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-312A	15	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-38A (bg)	25	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-39B (bg)	25	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-216A	30	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-217A	30	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-218A	30	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-219A	30	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-220A	30	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-18AR	14	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-408	8	0.4	0	0	0.4	0.4	0.4	100
Xylenes, Total (ug/L)	MW-410	8	0.4	0	0	0.4	0.4	0.4	100

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Groundwater Monitoring Wells – Trends

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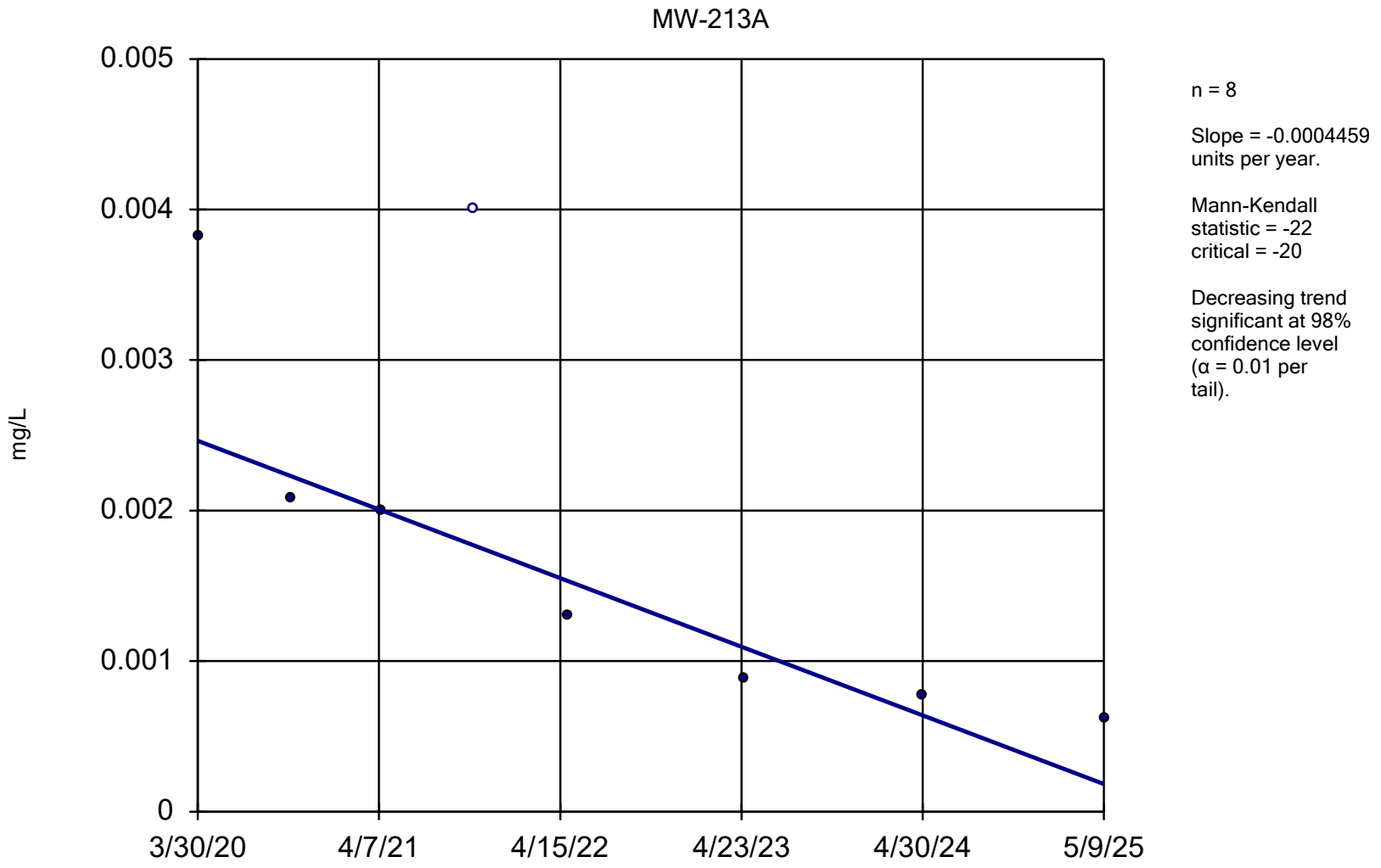
Hollow symbols indicate censored values.

Sen's Slope Estimator



Constituent: Arsenic Analysis Run 7/13/2025 8:56 PM View: 05A_MW_Inorganics_PL

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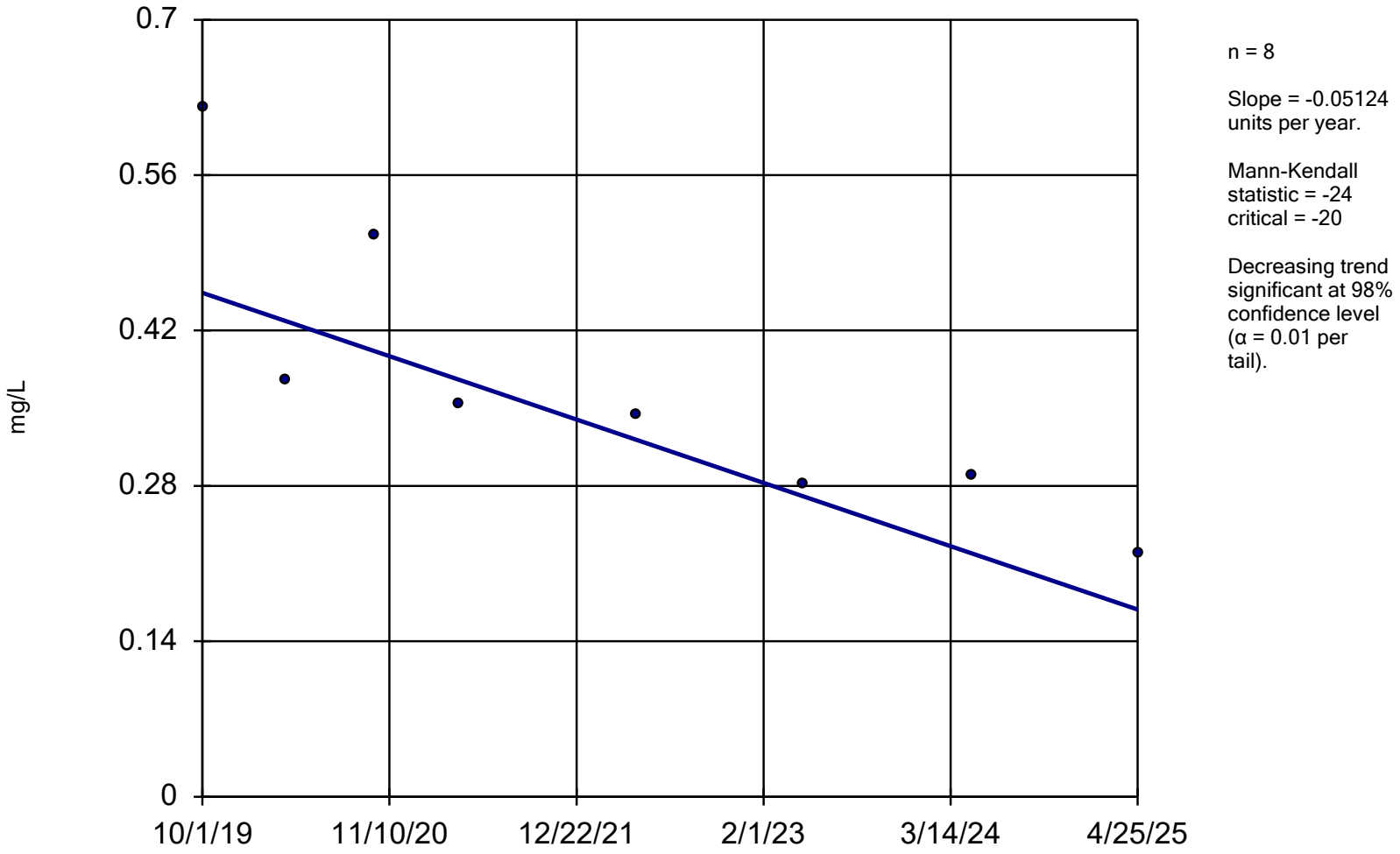
Sen's Slope Estimator

MW-8B



n = 8

Slope = -0.05124 units per year.

Mann-Kendall statistic = -24
critical = -20

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Analysis Run 7/13/2025 8:57 PM View: 05A_MW_Inorganics_PL

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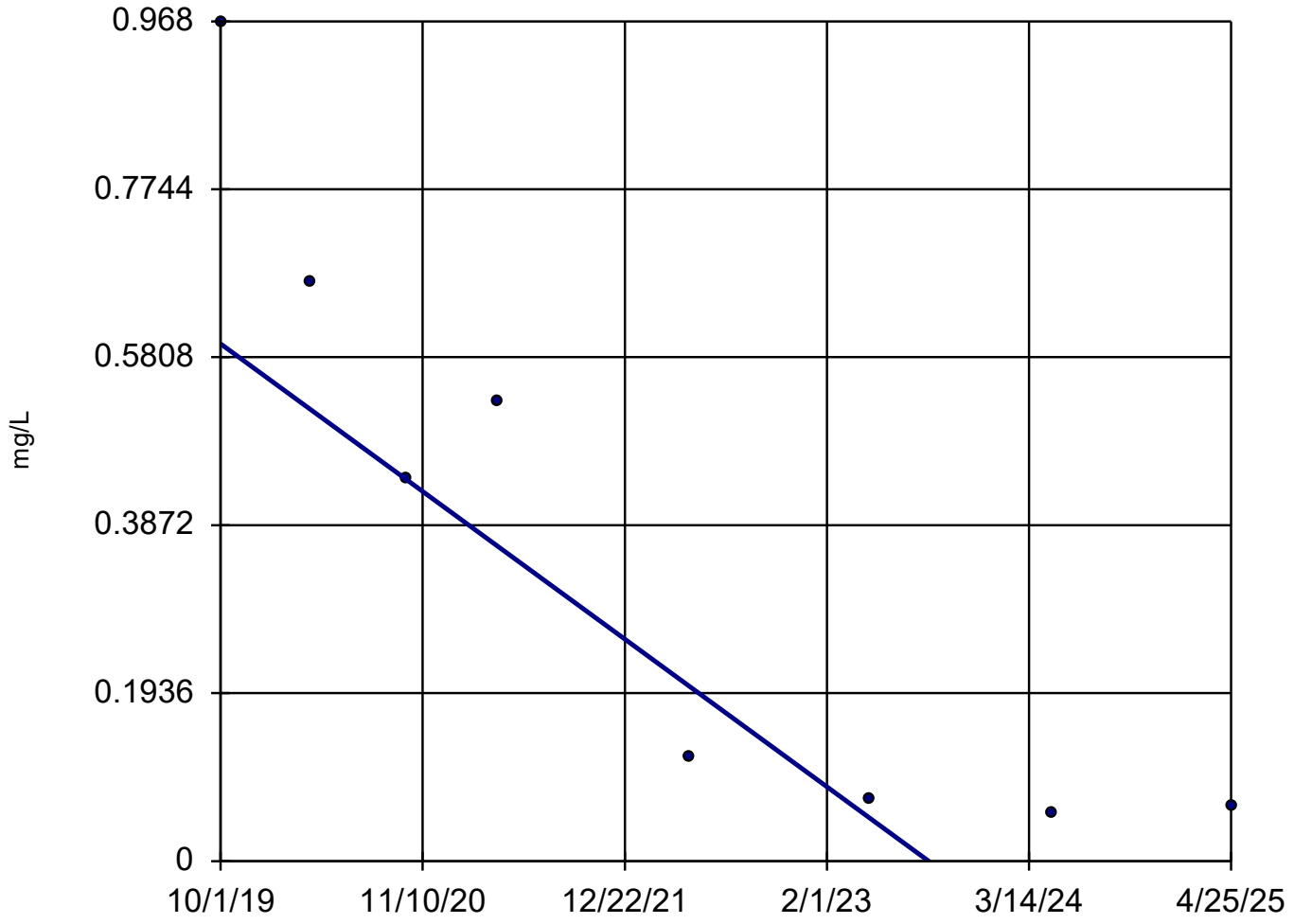
Sen's Slope Estimator

MW-208B



n = 8

Slope = -0.1528 units per year.

Mann-Kendall statistic = -24
critical = -20

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Analysis Run 7/13/2025 8:57 PM View: 05A_MW_Inorganics_PL

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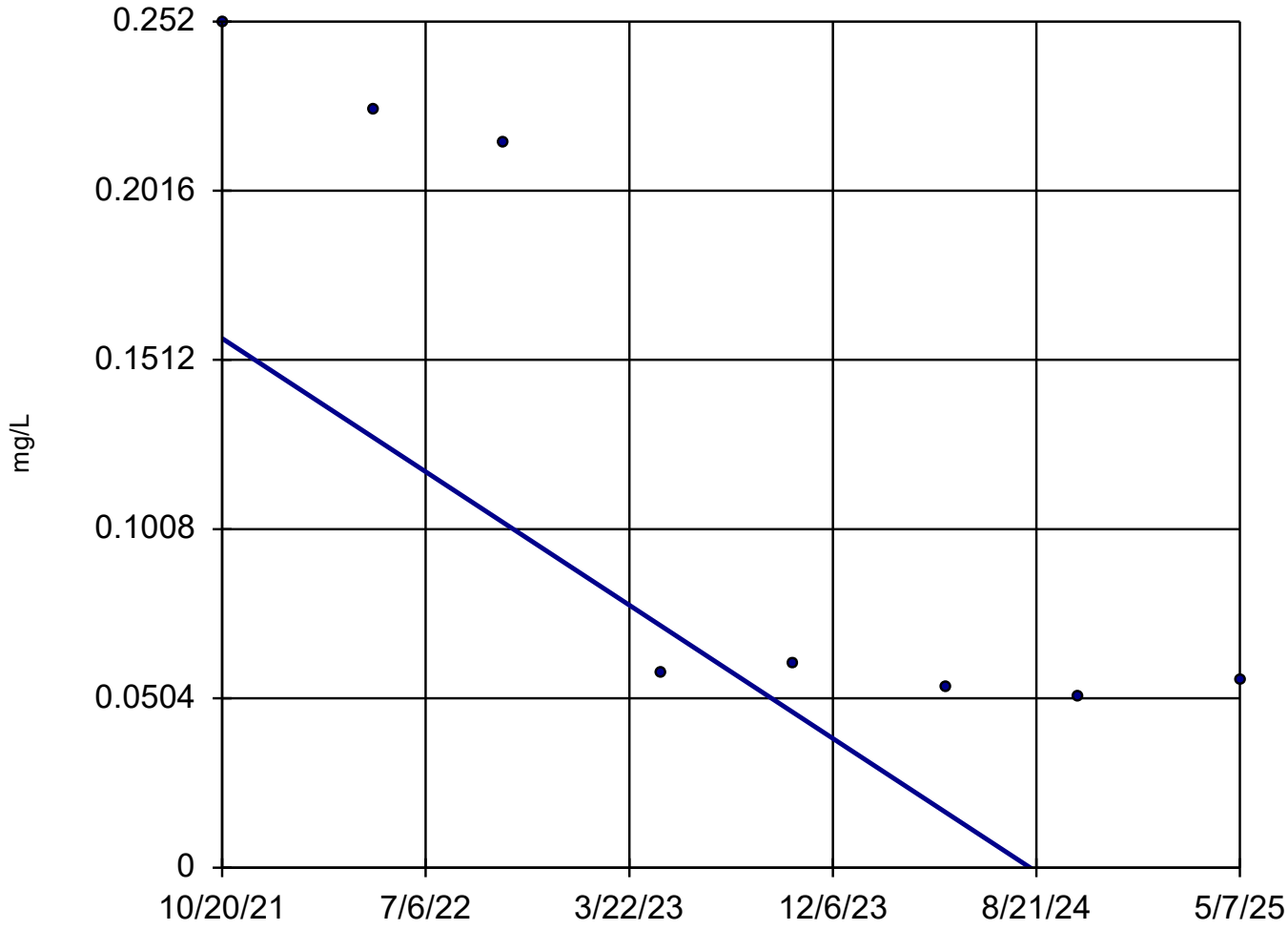
Sen's Slope Estimator

MW-216A



n = 8

Slope = -0.05595 units per year.

Mann-Kendall statistic = -22
critical = -20

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Analysis Run 7/13/2025 8:57 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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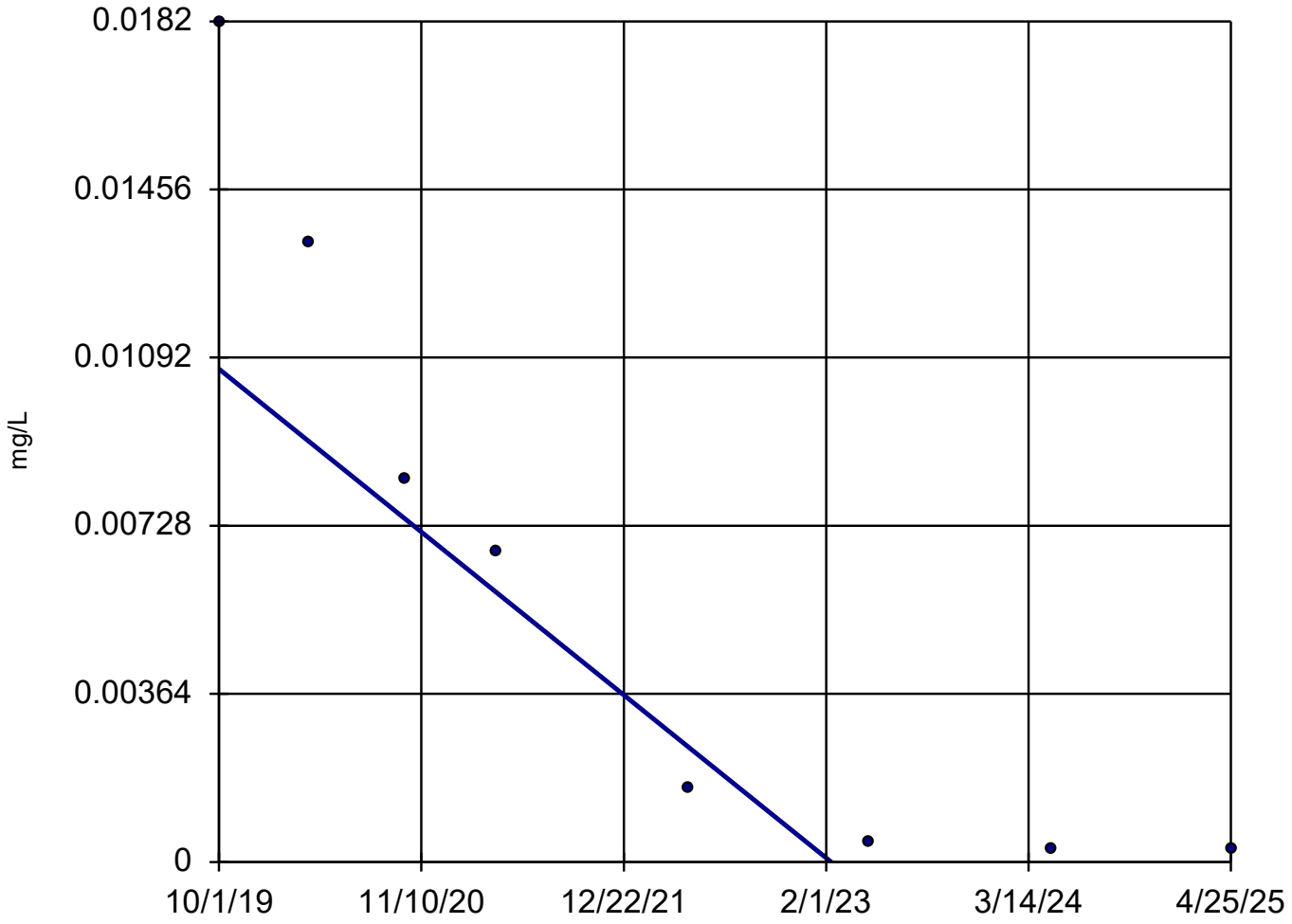
Sen's Slope Estimator

MW-208B



n = 8

Slope = -0.003167 units per year.

Mann-Kendall statistic = -28
critical = -20

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cobalt Analysis Run 7/13/2025 9:00 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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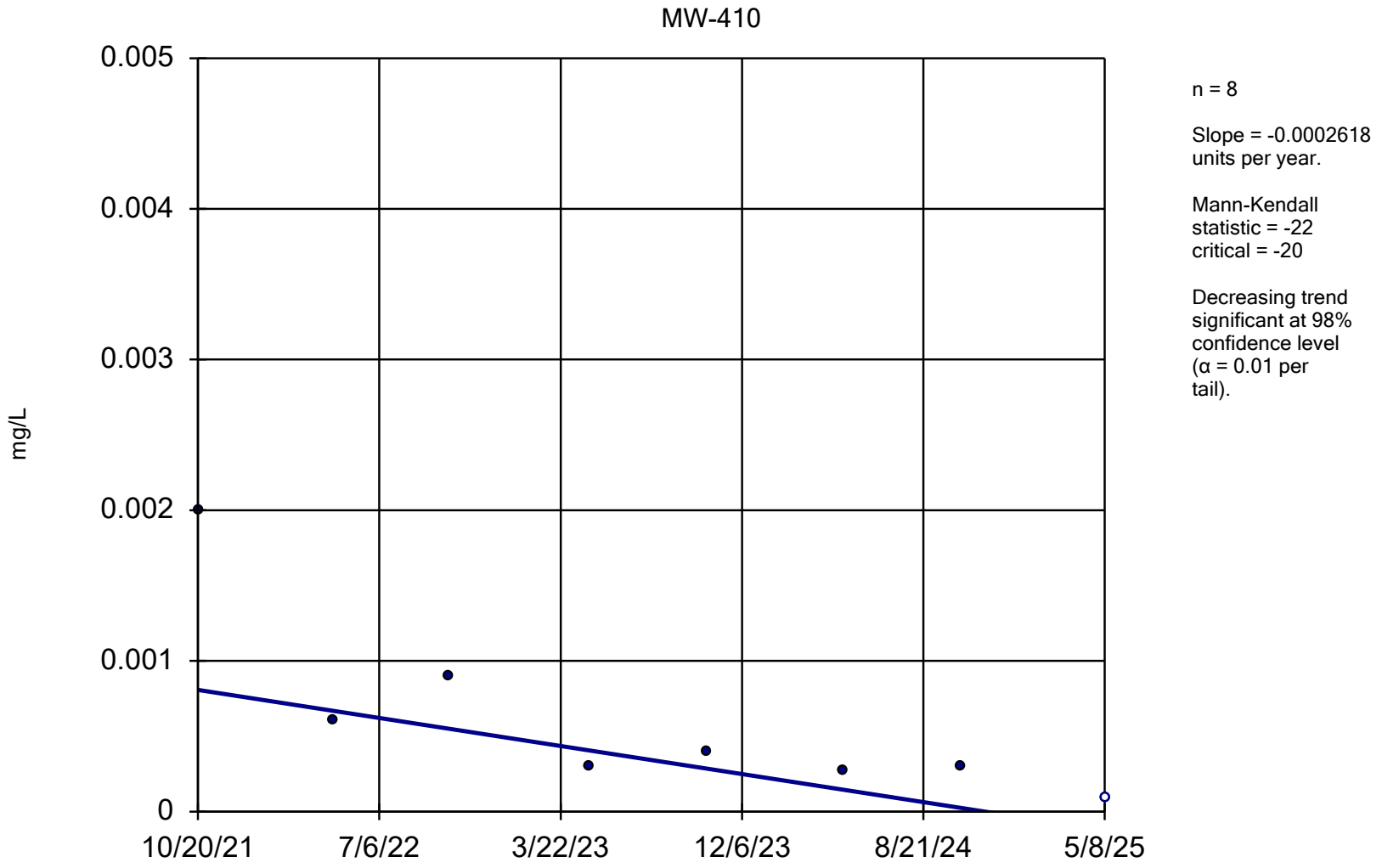
Hollow symbols indicate censored values.

Sen's Slope Estimator



Constituent: Cobalt Analysis Run 7/13/2025 9:01 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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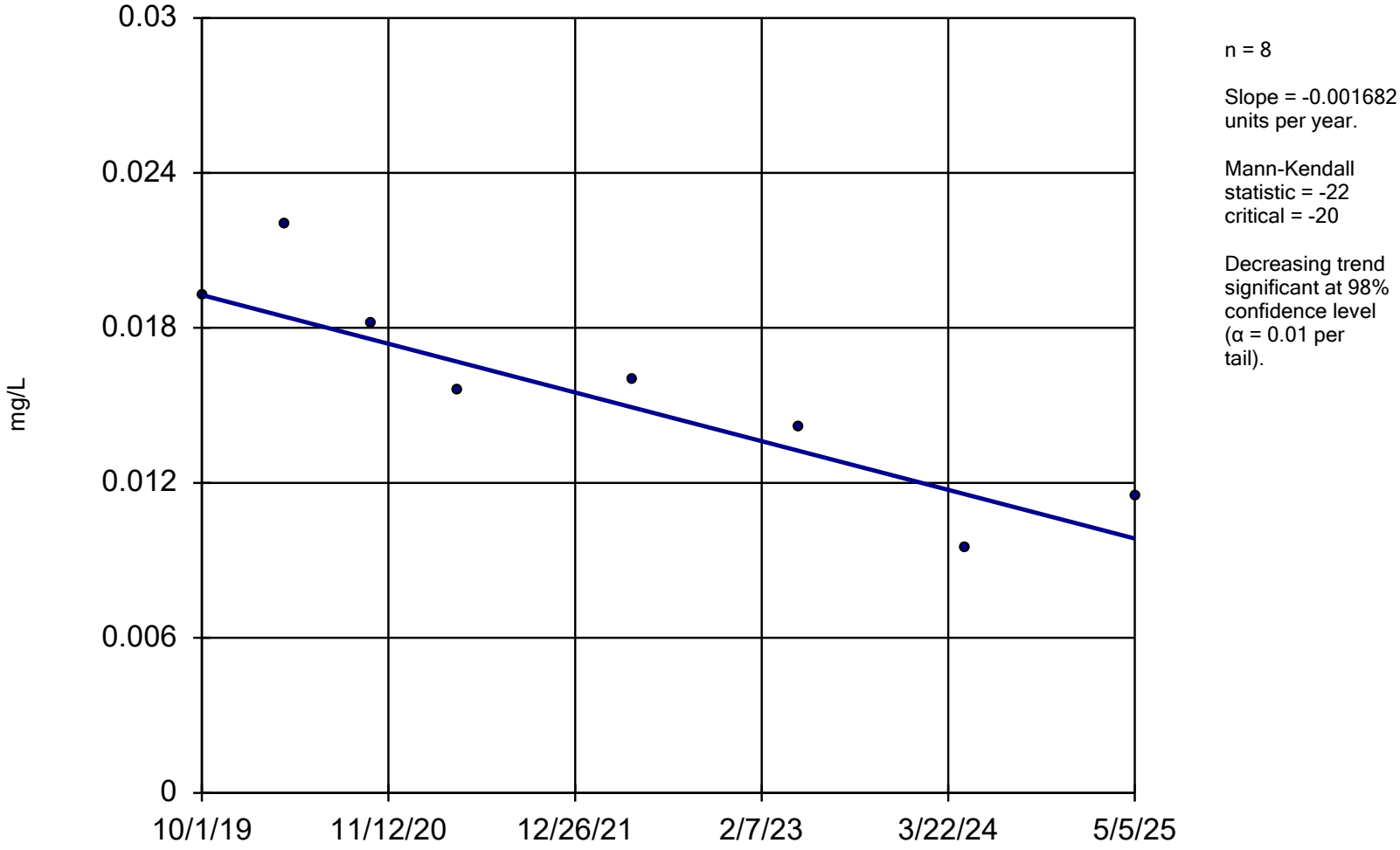
Sen's Slope Estimator

MW-210B



n = 8

Slope = -0.001682 units per year.

Mann-Kendall statistic = -22
critical = -20

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Nickel Analysis Run 7/13/2025 9:04 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:10 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Antimony (mg/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-29A	0	-7	-20	No	8	87.5	0.02	NP
Antimony (mg/L)	MW-31B	0	11	20	No	8	75	0.02	NP
Antimony (mg/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-203A	0	7	20	No	8	87.5	0.02	NP
Antimony (mg/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-215A	0	-2	-20	No	8	62.5	0.02	NP
Antimony (mg/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-213A	0	1	20	No	8	87.5	0.02	NP
Antimony (mg/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-39B (bg)	0	-1	-20	No	8	87.5	0.02	NP
Antimony (mg/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Antimony (mg/L)	MW-18AR	0	6	17	No	7	85.71	0.02	NP
Antimony (mg/L)	MW-408	0	3	20	No	8	87.5	0.02	NP
Antimony (mg/L)	MW-410	0	0	20	No	8	100	0.02	NP
Arsenic (mg/L)	MW-34A (bg)	-0.0001811	-12	-20	No	8	50	0.02	NP
Arsenic (mg/L)	MW-1B	0	9	20	No	8	75	0.02	NP
Arsenic (mg/L)	MW-5B	-0.00009372	-11	-20	No	8	37.5	0.02	NP
Arsenic (mg/L)	MW-7B1	6.0e-7	0	20	No	8	0	0.02	NP
Arsenic (mg/L)	MW-8B	-0.0003755	-2	-20	No	8	0	0.02	NP
Arsenic (mg/L)	MW-10B	0	-7	-20	No	8	75	0.02	NP
Arsenic (mg/L)	MW-12B	-0.0002296	-15	-20	No	8	37.5	0.02	NP
Arsenic (mg/L)	MW-14B	-0.0002587	-19	-20	No	8	12.5	0.02	NP
Arsenic (mg/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Arsenic (mg/L)	MW-23A	0	1	20	No	8	87.5	0.02	NP
Arsenic (mg/L)	MW-24A	-0.0009974	-4	-20	No	8	0	0.02	NP
Arsenic (mg/L)	MW-25A-00	0	1	20	No	8	75	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:10 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Arsenic (mg/L)	MW-29A	-0.0001295	-10	-20	No	8	37.5	0.02	NP
Arsenic (mg/L)	MW-31B	-0.0003974	-17	-20	No	8	25	0.02	NP
Arsenic (mg/L)	MW-201A	0	-3	-20	No	8	87.5	0.02	NP
Arsenic (mg/L)	MW-202A	0	3	20	No	8	75	0.02	NP
Arsenic (mg/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Arsenic (mg/L)	MW-204A	-0.0009986	-8	-20	No	8	0	0.02	NP
Arsenic (mg/L)	MW-208B	-0.002846	-16	-20	No	8	0	0.02	NP
Arsenic (mg/L)	MW-210B	0.0004368	8	20	No	8	0	0.02	NP
Arsenic (mg/L)	MW-215A	-0.00005092	-10	-20	No	8	37.5	0.02	NP
Arsenic (mg/L)	MW-214A	0	3	20	No	8	75	0.02	NP
Arsenic (mg/L)	MW-200A	0	-5	-20	No	8	75	0.02	NP
Arsenic (mg/L)	MW-205A	-0.001194	-12	-20	No	8	0	0.02	NP
Arsenic (mg/L)	MW-211B	0.009574	20	20	No	8	0	0.02	NP
Arsenic (mg/L)	**MW-213A**	**-0.0004459**	**-22**	**-20**	**Yes**	**8**	**12.5**	**0.02**	**NP**
Arsenic (mg/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Arsenic (mg/L)	MW-312A	0	-3	-20	No	8	87.5	0.02	NP
Arsenic (mg/L)	MW-38A (bg)	0	1	20	No	8	87.5	0.02	NP
Arsenic (mg/L)	MW-39B (bg)	0	1	20	No	8	87.5	0.02	NP
Arsenic (mg/L)	MW-216A	0	-3	-20	No	8	75	0.02	NP
Arsenic (mg/L)	MW-217A	0	-3	-20	No	8	87.5	0.02	NP
Arsenic (mg/L)	MW-218A	0	-3	-20	No	8	87.5	0.02	NP
Arsenic (mg/L)	MW-219A	0	-3	-20	No	8	87.5	0.02	NP
Arsenic (mg/L)	MW-220A	0	-3	-20	No	8	87.5	0.02	NP
Arsenic (mg/L)	MW-18AR	0	-3	-20	No	8	75	0.02	NP
Arsenic (mg/L)	MW-408	0	-3	-20	No	8	87.5	0.02	NP
Arsenic (mg/L)	MW-410	0	-3	-20	No	8	75	0.02	NP
Barium (mg/L)	MW-34A (bg)	0.02712	12	20	No	8	0	0.02	NP
Barium (mg/L)	MW-1B	-0.0008621	0	20	No	8	0	0.02	NP
Barium (mg/L)	MW-5B	0.001352	0	20	No	8	0	0.02	NP
Barium (mg/L)	MW-7B1	0.003274	0	20	No	8	0	0.02	NP
Barium (mg/L)	**MW-8B**	**-0.05124**	**-24**	**-20**	**Yes**	**8**	**0**	**0.02**	**NP**
Barium (mg/L)	MW-10B	0.005303	6	20	No	8	0	0.02	NP
Barium (mg/L)	MW-12B	0.006274	10	20	No	8	0	0.02	NP
Barium (mg/L)	MW-14B	-0.02467	-13	-20	No	8	0	0.02	NP
Barium (mg/L)	MW-17A-00	0.002495	6	20	No	8	0	0.02	NP
Barium (mg/L)	MW-23A	0.00302	12	20	No	8	0	0.02	NP
Barium (mg/L)	MW-24A	0.001501	2	20	No	8	0	0.02	NP
Barium (mg/L)	MW-25A-00	0.002034	4	20	No	8	0	0.02	NP
Barium (mg/L)	MW-29A	0.03869	14	20	No	8	0	0.02	NP
Barium (mg/L)	MW-31B	-0.03028	-10	-20	No	8	0	0.02	NP
Barium (mg/L)	MW-201A	-0.01759	-10	-20	No	8	0	0.02	NP
Barium (mg/L)	MW-202A	-0.003812	-4	-20	No	8	0	0.02	NP
Barium (mg/L)	MW-203A	0	0	20	No	8	0	0.02	NP
Barium (mg/L)	MW-204A	-0.003521	-6	-20	No	8	0	0.02	NP
Barium (mg/L)	**MW-208B**	**-0.1528**	**-24**	**-20**	**Yes**	**8**	**0**	**0.02**	**NP**
Barium (mg/L)	MW-210B	-0.03865	-16	-20	No	8	0	0.02	NP
Barium (mg/L)	MW-215A	0.007688	15	20	No	8	0	0.02	NP
Barium (mg/L)	MW-214A	-0.004053	-9	-20	No	8	0	0.02	NP
Barium (mg/L)	MW-200A	0.04449	8	20	No	8	0	0.02	NP
Barium (mg/L)	MW-205A	-0.02107	-12	-20	No	8	0	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:10 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Barium (mg/L)	MW-211B	0.03408	2	20	No	8	0	0.02	NP
Barium (mg/L)	MW-213A	-0.005851	-12	-20	No	8	0	0.02	NP
Barium (mg/L)	MW-310A	-0.01531	-10	-20	No	8	0	0.02	NP
Barium (mg/L)	MW-312A	-0.005343	-10	-20	No	8	0	0.02	NP
Barium (mg/L)	MW-38A (bg)	0.00568	15	20	No	8	0	0.02	NP
Barium (mg/L)	MW-39B (bg)	-0.001627	-4	-20	No	8	0	0.02	NP
Barium (mg/L)	**MW-216A**	**-0.05595**	**-22**	**-20**	**Yes**	**8**	**0**	**0.02**	**NP**
Barium (mg/L)	MW-217A	-0.001535	-8	-20	No	8	0	0.02	NP
Barium (mg/L)	MW-218A	0.006328	4	20	No	8	0	0.02	NP
Barium (mg/L)	MW-219A	0.02205	14	20	No	8	0	0.02	NP
Barium (mg/L)	MW-220A	0.009643	14	20	No	8	0	0.02	NP
Barium (mg/L)	MW-18AR	0.04225	12	20	No	8	0	0.02	NP
Barium (mg/L)	MW-408	-0.00262	-8	-20	No	8	0	0.02	NP
Barium (mg/L)	MW-410	-0.004821	-18	-20	No	8	0	0.02	NP
Beryllium (mg/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-1B	0	7	20	No	8	87.5	0.02	NP
Beryllium (mg/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-31B	0	-3	-20	No	8	87.5	0.02	NP
Beryllium (mg/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-312A	0	7	20	No	8	87.5	0.02	NP
Beryllium (mg/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Beryllium (mg/L)	MW-18AR	0	0	17	No	7	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Beryllium (mg/L)	MW-408	0	3	20	No	8	87.5	0.02	NP
Beryllium (mg/L)	MW-410	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-1B	0	0	20	No	8	87.5	0.02	NP
Cadmium (mg/L)	MW-5B	0	7	20	No	8	87.5	0.02	NP
Cadmium (mg/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-10B	0	7	20	No	8	62.5	0.02	NP
Cadmium (mg/L)	MW-12B	0.0001115	10	20	No	8	50	0.02	NP
Cadmium (mg/L)	MW-14B	0	0	20	No	8	37.5	0.02	NP
Cadmium (mg/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-23A	0	5	20	No	8	87.5	0.02	NP
Cadmium (mg/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-29A	0	-3	-20	No	8	87.5	0.02	NP
Cadmium (mg/L)	MW-31B	0	-7	-20	No	8	87.5	0.02	NP
Cadmium (mg/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-204A	0	-1	-20	No	8	75	0.02	NP
Cadmium (mg/L)	MW-208B	0	3	20	No	8	75	0.02	NP
Cadmium (mg/L)	MW-210B	-0.00001094	0	20	No	8	12.5	0.02	NP
Cadmium (mg/L)	MW-215A	-0.00004706	-10	-20	No	8	50	0.02	NP
Cadmium (mg/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-205A	0	3	20	No	8	87.5	0.02	NP
Cadmium (mg/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-213A	0.00001581	3	20	No	8	25	0.02	NP
Cadmium (mg/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-312A	0	-7	-20	No	8	87.5	0.02	NP
Cadmium (mg/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-39B (bg)	-0.000006876	-3	-20	No	8	25	0.02	NP
Cadmium (mg/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-218A	0	1	20	No	8	87.5	0.02	NP
Cadmium (mg/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Cadmium (mg/L)	MW-18AR	0	6	17	No	7	85.71	0.02	NP
Cadmium (mg/L)	MW-408	0.00001203	3	17	No	7	0	0.02	NP
Cadmium (mg/L)	MW-410	0	0	20	No	8	100	0.02	NP
Chromium (mg/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Chromium (mg/L)	MW-1B	0	5	20	No	8	87.5	0.02	NP
Chromium (mg/L)	MW-5B	0	6	20	No	8	62.5	0.02	NP
Chromium (mg/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Chromium (mg/L)	MW-8B	0	-5	-20	No	8	87.5	0.02	NP
Chromium (mg/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Chromium (mg/L)	MW-12B	0	5	20	No	8	87.5	0.02	NP
Chromium (mg/L)	MW-14B	0	-5	-20	No	8	87.5	0.02	NP
Chromium (mg/L)	MW-17A-00	-0.000005046	-3	-20	No	8	25	0.02	NP
Chromium (mg/L)	MW-23A	-0.00004449	-4	-20	No	8	12.5	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Chromium (mg/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Chromium (mg/L)	MW-25A-00	0.0002676	17	20	No	8	50	0.02	NP
Chromium (mg/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Chromium (mg/L)	MW-31B	0	-4	-20	No	8	50	0.02	NP
Chromium (mg/L)	MW-201A	0	-1	-20	No	8	75	0.02	NP
Chromium (mg/L)	MW-202A	-0.00001129	-4	-20	No	8	12.5	0.02	NP
Chromium (mg/L)	MW-203A	-0.0005192	-12	-20	No	8	0	0.02	NP
Chromium (mg/L)	MW-204A	0	5	20	No	8	87.5	0.02	NP
Chromium (mg/L)	MW-208B	0	-5	-20	No	8	87.5	0.02	NP
Chromium (mg/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Chromium (mg/L)	MW-215A	-0.0006701	-13	-20	No	8	25	0.02	NP
Chromium (mg/L)	MW-214A	-0.0002039	-12	-20	No	8	12.5	0.02	NP
Chromium (mg/L)	MW-200A	0	-1	-20	No	8	75	0.02	NP
Chromium (mg/L)	MW-205A	0	-1	-20	No	8	75	0.02	NP
Chromium (mg/L)	MW-211B	0	3	20	No	8	87.5	0.02	NP
Chromium (mg/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Chromium (mg/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Chromium (mg/L)	MW-312A	0	11	20	No	8	75	0.02	NP
Chromium (mg/L)	MW-38A (bg)	0.000001783	1	20	No	8	0	0.02	NP
Chromium (mg/L)	MW-39B (bg)	0	1	20	No	8	87.5	0.02	NP
Chromium (mg/L)	MW-216A	0	9	20	No	8	75	0.02	NP
Chromium (mg/L)	MW-217A	0.0001368	5	20	No	8	37.5	0.02	NP
Chromium (mg/L)	MW-218A	0	5	20	No	8	87.5	0.02	NP
Chromium (mg/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Chromium (mg/L)	MW-220A	0	7	20	No	8	87.5	0.02	NP
Chromium (mg/L)	MW-18AR	0	0	17	No	7	100	0.02	NP
Chromium (mg/L)	MW-408	0	0	20	No	8	87.5	0.02	NP
Chromium (mg/L)	MW-410	0	0	20	No	8	100	0.02	NP
Cobalt (mg/L)	MW-34A (bg)	0	-2	-20	No	8	50	0.02	NP
Cobalt (mg/L)	MW-1B	0.00002936	7	20	No	8	37.5	0.02	NP
Cobalt (mg/L)	MW-5B	-0.000005856	-1	-20	No	8	12.5	0.02	NP
Cobalt (mg/L)	MW-7B1	0.00004798	13	20	No	8	12.5	0.02	NP
Cobalt (mg/L)	MW-8B	0.00003572	2	20	No	8	0	0.02	NP
Cobalt (mg/L)	MW-10B	0	-1	-20	No	8	75	0.02	NP
Cobalt (mg/L)	MW-12B	-0.00001746	0	20	No	8	0	0.02	NP
Cobalt (mg/L)	MW-14B	-0.001056	-14	-20	No	8	0	0.02	NP
Cobalt (mg/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Cobalt (mg/L)	MW-23A	-0.00002313	-7	-20	No	8	37.5	0.02	NP
Cobalt (mg/L)	MW-24A	-0.000323	-4	-20	No	8	0	0.02	NP
Cobalt (mg/L)	MW-25A-00	0	-6	-20	No	8	62.5	0.02	NP
Cobalt (mg/L)	MW-29A	-0.0004503	-12	-20	No	8	12.5	0.02	NP
Cobalt (mg/L)	MW-31B	-0.0003779	-12	-20	No	8	0	0.02	NP
Cobalt (mg/L)	MW-201A	-0.000004231	-10	-20	No	8	62.5	0.02	NP
Cobalt (mg/L)	MW-202A	0	3	20	No	8	87.5	0.02	NP
Cobalt (mg/L)	MW-203A	0	1	20	No	8	87.5	0.02	NP
Cobalt (mg/L)	MW-204A	-0.00006669	-11	-20	No	8	37.5	0.02	NP
Cobalt (mg/L)	**MW-208B**	**-0.003167**	**-28**	**-20**	**Yes**	**8**	**0**	**0.02**	**NP**
Cobalt (mg/L)	MW-210B	-0.00057	-16	-20	No	8	0	0.02	NP
Cobalt (mg/L)	MW-215A	-0.00002209	-8	-20	No	8	0	0.02	NP
Cobalt (mg/L)	MW-214A	0.00001572	5	20	No	8	37.5	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Cobalt (mg/L)	MW-200A	0	-2	-20	No	8	62.5	0.02	NP
Cobalt (mg/L)	MW-205A	0.000007881	3	20	No	8	12.5	0.02	NP
Cobalt (mg/L)	MW-211B	-0.01124	-6	-20	No	8	0	0.02	NP
Cobalt (mg/L)	MW-213A	-0.001249	-20	-20	No	8	0	0.02	NP
Cobalt (mg/L)	MW-310A	0	-7	-20	No	8	75	0.02	NP
Cobalt (mg/L)	MW-312A	0	-6	-20	No	8	62.5	0.02	NP
Cobalt (mg/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Cobalt (mg/L)	MW-39B (bg)	-0.00003942	0	20	No	8	0	0.02	NP
Cobalt (mg/L)	MW-216A	-0.00002787	-10	-20	No	8	50	0.02	NP
Cobalt (mg/L)	MW-217A	0	-1	-20	No	8	75	0.02	NP
Cobalt (mg/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Cobalt (mg/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Cobalt (mg/L)	MW-220A	0	-7	-20	No	8	87.5	0.02	NP
Cobalt (mg/L)	MW-18AR	-0.0004236	-16	-20	No	8	62.5	0.02	NP
Cobalt (mg/L)	MW-408	-0.00004318	-4	-17	No	7	28.57	0.02	NP
Cobalt (mg/L)	**MW-410**	**-0.0002618**	**-22**	**-20**	**Yes**	**8**	**12.5**	**0.02**	**NP**
Copper (mg/L)	MW-34A (bg)	0	-3	-20	No	8	87.5	0.02	NP
Copper (mg/L)	MW-1B	0	7	20	No	8	87.5	0.02	NP
Copper (mg/L)	MW-5B	-0.00008022	-6	-20	No	8	50	0.02	NP
Copper (mg/L)	MW-7B1	0	0	20	No	8	87.5	0.02	NP
Copper (mg/L)	MW-8B	0	-5	-20	No	8	75	0.02	NP
Copper (mg/L)	MW-10B	0	3	20	No	8	75	0.02	NP
Copper (mg/L)	MW-12B	0	-2	-20	No	8	62.5	0.02	NP
Copper (mg/L)	MW-14B	0	0	20	No	8	62.5	0.02	NP
Copper (mg/L)	MW-17A-00	0	-1	-20	No	8	87.5	0.02	NP
Copper (mg/L)	MW-23A	0	1	20	No	8	87.5	0.02	NP
Copper (mg/L)	MW-24A	0	3	20	No	8	75	0.02	NP
Copper (mg/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Copper (mg/L)	MW-29A	0	2	20	No	8	50	0.02	NP
Copper (mg/L)	MW-31B	0	-2	-20	No	8	50	0.02	NP
Copper (mg/L)	MW-201A	0	3	20	No	8	75	0.02	NP
Copper (mg/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Copper (mg/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Copper (mg/L)	MW-204A	0.0006529	9	20	No	8	37.5	0.02	NP
Copper (mg/L)	MW-208B	0	1	20	No	8	75	0.02	NP
Copper (mg/L)	MW-210B	0	0	20	No	8	50	0.02	NP
Copper (mg/L)	MW-215A	-0.0003496	-15	-20	No	8	25	0.02	NP
Copper (mg/L)	MW-214A	0	2	20	No	8	62.5	0.02	NP
Copper (mg/L)	MW-200A	0.0001625	10	20	No	8	62.5	0.02	NP
Copper (mg/L)	MW-205A	0	2	20	No	8	62.5	0.02	NP
Copper (mg/L)	MW-211B	0	8	20	No	8	62.5	0.02	NP
Copper (mg/L)	MW-213A	0	1	20	No	8	62.5	0.02	NP
Copper (mg/L)	MW-310A	0	9	20	No	8	75	0.02	NP
Copper (mg/L)	MW-312A	0.00003099	13	20	No	8	62.5	0.02	NP
Copper (mg/L)	MW-38A (bg)	0	1	20	No	8	75	0.02	NP
Copper (mg/L)	MW-39B (bg)	0	2	20	No	8	50	0.02	NP
Copper (mg/L)	MW-216A	0.0005276	13	20	No	8	37.5	0.02	NP
Copper (mg/L)	MW-217A	0	3	20	No	8	87.5	0.02	NP
Copper (mg/L)	MW-218A	0	1	20	No	8	75	0.02	NP
Copper (mg/L)	MW-219A	0	-9	-20	No	8	75	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Copper (mg/L)	MW-220A	0	6	20	No	8	62.5	0.02	NP
Copper (mg/L)	MW-18AR	0	9	20	No	8	75	0.02	NP
Copper (mg/L)	MW-408	0	-5	-20	No	8	75	0.02	NP
Copper (mg/L)	MW-410	0.0005208	18	20	No	8	50	0.02	NP
Cyanide (mg/L)	MW-34A (bg)	0	0	17	No	7	100	0.02	NP
Cyanide (mg/L)	MW-1B	0	0	10	No	5	100	0.02	NP
Cyanide (mg/L)	MW-5B	0	0	10	No	5	100	0.02	NP
Cyanide (mg/L)	MW-7B1	0	0	10	No	5	100	0.02	NP
Cyanide (mg/L)	MW-8B	0	0	10	No	5	100	0.02	NP
Cyanide (mg/L)	MW-12B	0	0	8	No	4	100	0.02	NP
Cyanide (mg/L)	MW-14B	0	0	10	No	5	100	0.02	NP
Cyanide (mg/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
Cyanide (mg/L)	MW-23A	0	0	10	No	5	100	0.02	NP
Cyanide (mg/L)	MW-24A	0	0	10	No	5	100	0.02	NP
Cyanide (mg/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
Cyanide (mg/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Cyanide (mg/L)	MW-31B	0	0	10	No	5	100	0.02	NP
Cyanide (mg/L)	MW-201A	0	0	8	No	4	100	0.02	NP
Cyanide (mg/L)	MW-202A	0	0	8	No	4	100	0.02	NP
Cyanide (mg/L)	MW-203A	0	0	8	No	4	100	0.02	NP
Cyanide (mg/L)	MW-204A	0	0	8	No	4	100	0.02	NP
Cyanide (mg/L)	MW-208B	0	0	8	No	4	100	0.02	NP
Cyanide (mg/L)	MW-210B	0	0	8	No	4	100	0.02	NP
Cyanide (mg/L)	MW-215A	0	0	8	No	4	100	0.02	NP
Cyanide (mg/L)	MW-214A	0	0	8	No	4	100	0.02	NP
Cyanide (mg/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
Cyanide (mg/L)	MW-205A	0	NaN	NaN	No	3	100	NaN	NP
Cyanide (mg/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
Cyanide (mg/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
Cyanide (mg/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Cyanide (mg/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Cyanide (mg/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
Cyanide (mg/L)	MW-219A	0	NaN	NaN	No	3	100	NaN	NP
Cyanide (mg/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Cyanide (mg/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
Lead (mg/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Lead (mg/L)	MW-1B	0	-5	-20	No	8	87.5	0.02	NP
Lead (mg/L)	MW-5B	0	-4	-20	No	8	62.5	0.02	NP
Lead (mg/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Lead (mg/L)	MW-8B	0	2	20	No	8	62.5	0.02	NP
Lead (mg/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Lead (mg/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Lead (mg/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Lead (mg/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Lead (mg/L)	MW-23A	0	3	20	No	8	87.5	0.02	NP
Lead (mg/L)	MW-24A	0	-5	-20	No	8	75	0.02	NP
Lead (mg/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Lead (mg/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Lead (mg/L)	MW-31B	-0.0002959	-8	-20	No	8	0	0.02	NP
Lead (mg/L)	MW-201A	0	-5	-20	No	8	75	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Lead (mg/L)	MW-202A	0	4	20	No	8	62.5	0.02	NP
Lead (mg/L)	MW-203A	0	1	20	No	8	87.5	0.02	NP
Lead (mg/L)	MW-204A	0.00002674	11	20	No	8	37.5	0.02	NP
Lead (mg/L)	MW-208B	0	7	20	No	8	87.5	0.02	NP
Lead (mg/L)	MW-210B	-0.0001251	-8	-20	No	8	12.5	0.02	NP
Lead (mg/L)	MW-215A	-0.0002209	-14	-20	No	8	0	0.02	NP
Lead (mg/L)	MW-214A	0.00001419	6	20	No	8	50	0.02	NP
Lead (mg/L)	MW-200A	0	-1	-20	No	8	87.5	0.02	NP
Lead (mg/L)	MW-205A	0	-4	-20	No	8	50	0.02	NP
Lead (mg/L)	MW-211B	0	-3	-20	No	8	87.5	0.02	NP
Lead (mg/L)	MW-213A	0.000001943	10	20	No	8	62.5	0.02	NP
Lead (mg/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Lead (mg/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Lead (mg/L)	MW-38A (bg)	0	-7	-20	No	8	87.5	0.02	NP
Lead (mg/L)	MW-39B (bg)	0	2	20	No	8	62.5	0.02	NP
Lead (mg/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Lead (mg/L)	MW-217A	0	-1	-20	No	8	87.5	0.02	NP
Lead (mg/L)	MW-218A	0	-1	-20	No	8	87.5	0.02	NP
Lead (mg/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Lead (mg/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Lead (mg/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
Lead (mg/L)	MW-408	0	-3	-20	No	8	87.5	0.02	NP
Lead (mg/L)	MW-410	0	0	20	No	8	100	0.02	NP
Mercury (mg/L)	MW-34A (bg)	0	NaN	NaN	No	2	100	NaN	NP
Mercury (mg/L)	MW-1B	0	0	10	No	5	100	0.02	NP
Mercury (mg/L)	MW-5B	0	0	10	No	5	100	0.02	NP
Mercury (mg/L)	MW-7B1	0	0	10	No	5	100	0.02	NP
Mercury (mg/L)	MW-8B	0	0	10	No	5	100	0.02	NP
Mercury (mg/L)	MW-12B	0	0	8	No	4	100	0.02	NP
Mercury (mg/L)	MW-14B	0	0	10	No	5	100	0.02	NP
Mercury (mg/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
Mercury (mg/L)	MW-23A	0	0	10	No	5	100	0.02	NP
Mercury (mg/L)	MW-24A	0	0	10	No	5	100	0.02	NP
Mercury (mg/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
Mercury (mg/L)	MW-29A	0	0	10	No	5	100	0.02	NP
Mercury (mg/L)	MW-31B	0	0	10	No	5	100	0.02	NP
Mercury (mg/L)	MW-201A	0	0	8	No	4	100	0.02	NP
Mercury (mg/L)	MW-202A	0	0	8	No	4	100	0.02	NP
Mercury (mg/L)	MW-203A	0	0	8	No	4	100	0.02	NP
Mercury (mg/L)	MW-204A	0	0	8	No	4	100	0.02	NP
Mercury (mg/L)	MW-208B	0	0	8	No	4	100	0.02	NP
Mercury (mg/L)	MW-210B	0	0	8	No	4	100	0.02	NP
Mercury (mg/L)	MW-215A	0	-1	-8	No	4	75	0.02	NP
Mercury (mg/L)	MW-214A	0	0	8	No	4	100	0.02	NP
Mercury (mg/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
Mercury (mg/L)	MW-205A	0	NaN	NaN	No	3	100	NaN	NP
Mercury (mg/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
Mercury (mg/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
Mercury (mg/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Mercury (mg/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Mercury (mg/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
Mercury (mg/L)	MW-219A	0	NaN	NaN	No	3	100	NaN	NP
Mercury (mg/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Mercury (mg/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
Nickel (mg/L)	MW-34A (bg)	0	-1	-20	No	8	75	0.02	NP
Nickel (mg/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Nickel (mg/L)	MW-5B	0.0005424	11	20	No	8	37.5	0.02	NP
Nickel (mg/L)	MW-7B1	0	1	20	No	8	87.5	0.02	NP
Nickel (mg/L)	MW-8B	0.0000788	3	20	No	8	25	0.02	NP
Nickel (mg/L)	MW-10B	0	3	20	No	8	87.5	0.02	NP
Nickel (mg/L)	MW-12B	-0.001161	-14	-20	No	8	0	0.02	NP
Nickel (mg/L)	MW-14B	-0.0006116	-14	-20	No	8	0	0.02	NP
Nickel (mg/L)	MW-17A-00	0	1	20	No	8	87.5	0.02	NP
Nickel (mg/L)	MW-23A	0	-1	-20	No	8	75	0.02	NP
Nickel (mg/L)	MW-24A	0.0002287	2	20	No	8	12.5	0.02	NP
Nickel (mg/L)	MW-25A-00	0.0002777	14	20	No	8	50	0.02	NP
Nickel (mg/L)	MW-29A	-0.0006894	-2	-20	No	8	12.5	0.02	NP
Nickel (mg/L)	MW-31B	-0.0006255	-15	-20	No	8	25	0.02	NP
Nickel (mg/L)	MW-201A	0	3	20	No	8	75	0.02	NP
Nickel (mg/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Nickel (mg/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Nickel (mg/L)	MW-204A	-0.000187	-8	-20	No	8	12.5	0.02	NP
Nickel (mg/L)	MW-208B	-0.003804	-19	-20	No	8	37.5	0.02	NP
Nickel (mg/L)	**MW-210B**	**-0.001682**	**-22**	**-20**	**Yes**	**8**	**0**	**0.02**	**NP**
Nickel (mg/L)	MW-215A	-0.00002142	-3	-20	No	8	37.5	0.02	NP
Nickel (mg/L)	MW-214A	0	4	20	No	8	62.5	0.02	NP
Nickel (mg/L)	MW-200A	0	3	20	No	8	87.5	0.02	NP
Nickel (mg/L)	MW-205A	0	1	20	No	8	75	0.02	NP
Nickel (mg/L)	MW-211B	-0.001522	-2	-20	No	8	0	0.02	NP
Nickel (mg/L)	MW-213A	-0.0006011	-11	-20	No	8	25	0.02	NP
Nickel (mg/L)	MW-310A	0	3	20	No	8	75	0.02	NP
Nickel (mg/L)	MW-312A	0	-6	-20	No	8	62.5	0.02	NP
Nickel (mg/L)	MW-38A (bg)	0	-7	-20	No	8	87.5	0.02	NP
Nickel (mg/L)	MW-39B (bg)	-0.0005271	-14	-20	No	8	12.5	0.02	NP
Nickel (mg/L)	MW-216A	-0.0004065	-8	-20	No	8	0	0.02	NP
Nickel (mg/L)	MW-217A	0	3	20	No	8	87.5	0.02	NP
Nickel (mg/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Nickel (mg/L)	MW-219A	0	7	20	No	8	87.5	0.02	NP
Nickel (mg/L)	MW-220A	0	-7	-20	No	8	87.5	0.02	NP
Nickel (mg/L)	MW-18AR	-0.0007305	-19	-20	No	8	50	0.02	NP
Nickel (mg/L)	MW-408	-0.0001993	-2	-17	No	7	28.57	0.02	NP
Nickel (mg/L)	MW-410	-0.0008321	-20	-20	No	8	25	0.02	NP
Selenium (mg/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-10B	0.0007668	10	20	No	8	0	0.02	NP
Selenium (mg/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-14B	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Selenium (mg/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-23A	0.000002285	3	20	No	8	37.5	0.02	NP
Selenium (mg/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-29A	0	1	20	No	8	87.5	0.02	NP
Selenium (mg/L)	MW-31B	0	-7	-20	No	8	87.5	0.02	NP
Selenium (mg/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-202A	0.00003666	9	20	No	8	25	0.02	NP
Selenium (mg/L)	MW-203A	0	-7	-20	No	8	87.5	0.02	NP
Selenium (mg/L)	MW-204A	0	-7	-20	No	8	87.5	0.02	NP
Selenium (mg/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-215A	0	1	20	No	8	87.5	0.02	NP
Selenium (mg/L)	MW-214A	-0.00002565	-7	-20	No	8	25	0.02	NP
Selenium (mg/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-205A	0	-1	-20	No	8	87.5	0.02	NP
Selenium (mg/L)	MW-211B	0	9	20	No	8	75	0.02	NP
Selenium (mg/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-310A	0	-13	-20	No	8	75	0.02	NP
Selenium (mg/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-38A (bg)	0	5	20	No	8	87.5	0.02	NP
Selenium (mg/L)	MW-39B (bg)	-0.0004658	-19	-20	No	8	37.5	0.02	NP
Selenium (mg/L)	MW-216A	0	5	20	No	8	87.5	0.02	NP
Selenium (mg/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Selenium (mg/L)	MW-18AR	0	0	17	No	7	100	0.02	NP
Selenium (mg/L)	MW-408	0	6	17	No	7	85.71	0.02	NP
Selenium (mg/L)	MW-410	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-31B	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-210B	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Silver (mg/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-18AR	0	0	17	No	7	100	0.02	NP
Silver (mg/L)	MW-408	0	0	20	No	8	100	0.02	NP
Silver (mg/L)	MW-410	0	0	20	No	8	100	0.02	NP
Sulfide (mg/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Sulfide (mg/L)	MW-1B	0	0	10	No	5	100	0.02	NP
Sulfide (mg/L)	MW-5B	0	2	10	No	5	80	0.02	NP
Sulfide (mg/L)	MW-7B1	0	0	10	No	5	100	0.02	NP
Sulfide (mg/L)	MW-8B	-0.3322	-14	-20	No	8	50	0.02	NP
Sulfide (mg/L)	MW-12B	0	0	8	No	4	100	0.02	NP
Sulfide (mg/L)	MW-14B	0	0	10	No	5	100	0.02	NP
Sulfide (mg/L)	MW-17A-00	0	0	8	No	4	100	0.02	NP
Sulfide (mg/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Sulfide (mg/L)	MW-24A	0	0	8	No	4	100	0.02	NP
Sulfide (mg/L)	MW-25A-00	0	0	8	No	4	100	0.02	NP
Sulfide (mg/L)	MW-29A	0	0	8	No	4	100	0.02	NP
Sulfide (mg/L)	MW-31B	0	0	10	No	5	100	0.02	NP
Sulfide (mg/L)	MW-201A	0	0	8	No	4	100	0.02	NP
Sulfide (mg/L)	MW-202A	0	0	8	No	4	100	0.02	NP
Sulfide (mg/L)	MW-203A	0	0	8	No	4	100	0.02	NP
Sulfide (mg/L)	MW-204A	0	0	8	No	4	100	0.02	NP
Sulfide (mg/L)	MW-208B	0	0	8	No	4	100	0.02	NP
Sulfide (mg/L)	MW-210B	0	0	8	No	4	100	0.02	NP
Sulfide (mg/L)	MW-215A	0	1	8	No	4	75	0.02	NP
Sulfide (mg/L)	MW-214A	0	0	8	No	4	100	0.02	NP
Sulfide (mg/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
Sulfide (mg/L)	MW-205A	-0.09125	NaN	NaN	No	3	66.67	NaN	NP
Sulfide (mg/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
Sulfide (mg/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
Sulfide (mg/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Sulfide (mg/L)	MW-39B (bg)	0	0	8	No	4	100	0.02	NP
Sulfide (mg/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Sulfide (mg/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Sulfide (mg/L)	MW-218A	0	-3	-20	No	8	87.5	0.02	NP
Sulfide (mg/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Sulfide (mg/L)	MW-220A	0	NaN	NaN	No	3	66.67	NaN	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Sulfide (mg/L)	MW-18AR	0	1	20	No	8	87.5	0.02	NP
Thallium (mg/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-1B	0	7	20	No	8	87.5	0.02	NP
Thallium (mg/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-25A-00	0	3	20	No	8	87.5	0.02	NP
Thallium (mg/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-31B	0	4	20	No	8	62.5	0.02	NP
Thallium (mg/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-312A	0	11	20	No	8	75	0.02	NP
Thallium (mg/L)	MW-38A (bg)	0	1	20	No	8	87.5	0.02	NP
Thallium (mg/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Thallium (mg/L)	MW-18AR	0	0	17	No	7	100	0.02	NP
Thallium (mg/L)	MW-408	0	7	20	No	8	75	0.02	NP
Thallium (mg/L)	MW-410	0	-3	-20	No	8	87.5	0.02	NP
Tin (mg/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Tin (mg/L)	MW-1B	0	0	10	No	5	100	0.02	NP
Tin (mg/L)	MW-5B	0	0	10	No	5	100	0.02	NP
Tin (mg/L)	MW-7B1	0	0	10	No	5	100	0.02	NP
Tin (mg/L)	MW-8B	0	0	10	No	5	100	0.02	NP
Tin (mg/L)	MW-12B	0	-1	-20	No	8	87.5	0.02	NP
Tin (mg/L)	MW-14B	0	0	13	No	6	100	0.02	NP
Tin (mg/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
Tin (mg/L)	MW-23A	0	0	10	No	5	100	0.02	NP
Tin (mg/L)	MW-24A	0	0	10	No	5	100	0.02	NP
Tin (mg/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Tin (mg/L)	MW-29A	0	0	10	No	5	100	0.02	NP
Tin (mg/L)	MW-31B	0	0	10	No	5	100	0.02	NP
Tin (mg/L)	MW-201A	0	0	8	No	4	100	0.02	NP
Tin (mg/L)	MW-202A	0	0	8	No	4	100	0.02	NP
Tin (mg/L)	MW-203A	0	0	8	No	4	100	0.02	NP
Tin (mg/L)	MW-204A	0	-1	-8	No	4	75	0.02	NP
Tin (mg/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Tin (mg/L)	MW-210B	0	0	8	No	4	100	0.02	NP
Tin (mg/L)	MW-215A	0	0	8	No	4	100	0.02	NP
Tin (mg/L)	MW-214A	0	0	8	No	4	100	0.02	NP
Tin (mg/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
Tin (mg/L)	MW-205A	0	NaN	NaN	No	3	66.67	NaN	NP
Tin (mg/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
Tin (mg/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
Tin (mg/L)	MW-38A (bg)	0	NaN	NaN	No	2	100	NaN	NP
Tin (mg/L)	MW-39B (bg)	0	1	8	No	4	75	0.02	NP
Tin (mg/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Tin (mg/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Tin (mg/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
Tin (mg/L)	MW-219A	0	NaN	NaN	No	3	100	NaN	NP
Tin (mg/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Tin (mg/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
Vanadium (mg/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Vanadium (mg/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Vanadium (mg/L)	MW-5B	-0.000106	-8	-20	No	8	50	0.02	NP
Vanadium (mg/L)	MW-7B1	0	-5	-20	No	8	87.5	0.02	NP
Vanadium (mg/L)	MW-8B	-0.00005978	-9	-20	No	8	25	0.02	NP
Vanadium (mg/L)	MW-10B	0	-2	-20	No	8	62.5	0.02	NP
Vanadium (mg/L)	MW-12B	0	5	20	No	8	87.5	0.02	NP
Vanadium (mg/L)	MW-14B	0	-5	-20	No	8	87.5	0.02	NP
Vanadium (mg/L)	MW-17A-00	0	1	20	No	8	75	0.02	NP
Vanadium (mg/L)	MW-23A	0.0001531	14	20	No	8	62.5	0.02	NP
Vanadium (mg/L)	MW-24A	0	9	20	No	8	75	0.02	NP
Vanadium (mg/L)	MW-25A-00	0	3	20	No	8	87.5	0.02	NP
Vanadium (mg/L)	MW-29A	0	-5	-20	No	8	87.5	0.02	NP
Vanadium (mg/L)	MW-31B	0	7	20	No	8	87.5	0.02	NP
Vanadium (mg/L)	MW-201A	-0.0001168	-14	-20	No	8	50	0.02	NP
Vanadium (mg/L)	MW-202A	0	-2	-20	No	8	50	0.02	NP
Vanadium (mg/L)	MW-203A	0	7	20	No	8	87.5	0.02	NP
Vanadium (mg/L)	MW-204A	0	-1	-20	No	8	87.5	0.02	NP
Vanadium (mg/L)	MW-208B	0	-5	-20	No	8	87.5	0.02	NP
Vanadium (mg/L)	MW-210B	-0.000003302	-1	-20	No	8	25	0.02	NP
Vanadium (mg/L)	MW-215A	0.0002051	5	20	No	8	12.5	0.02	NP
Vanadium (mg/L)	MW-214A	0	2	20	No	8	62.5	0.02	NP
Vanadium (mg/L)	MW-200A	0.0003143	3	20	No	8	25	0.02	NP
Vanadium (mg/L)	MW-205A	0.0001014	10	20	No	8	62.5	0.02	NP
Vanadium (mg/L)	MW-211B	0	1	20	No	8	87.5	0.02	NP
Vanadium (mg/L)	MW-213A	0.004411	19	20	No	8	25	0.02	NP
Vanadium (mg/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Vanadium (mg/L)	MW-312A	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:11 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Vanadium (mg/L)	MW-38A (bg)	0.00003439	7	20	No	8	37.5	0.02	NP
Vanadium (mg/L)	MW-39B (bg)	-0.00001944	-5	-20	No	8	37.5	0.02	NP
Vanadium (mg/L)	MW-216A	0	1	20	No	8	75	0.02	NP
Vanadium (mg/L)	MW-217A	0	1	20	No	8	87.5	0.02	NP
Vanadium (mg/L)	MW-218A	0	-1	-20	No	8	87.5	0.02	NP
Vanadium (mg/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Vanadium (mg/L)	MW-220A	0	1	20	No	8	87.5	0.02	NP
Vanadium (mg/L)	MW-18AR	0	9	17	No	7	71.43	0.02	NP
Vanadium (mg/L)	MW-408	-0.005481	-19	-20	No	8	25	0.02	NP
Vanadium (mg/L)	MW-410	0	1	20	No	8	87.5	0.02	NP
Zinc (mg/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-1B	0	-1	-20	No	8	87.5	0.02	NP
Zinc (mg/L)	MW-5B	-0.006428	-19	-20	No	8	25	0.02	NP
Zinc (mg/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-10B	0	-1	-20	No	8	87.5	0.02	NP
Zinc (mg/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-17A-00	0	5	20	No	8	87.5	0.02	NP
Zinc (mg/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-31B	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-202A	0	1	20	No	8	87.5	0.02	NP
Zinc (mg/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-204A	0	-5	-20	No	8	87.5	0.02	NP
Zinc (mg/L)	MW-208B	0	5	20	No	8	87.5	0.02	NP
Zinc (mg/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-215A	0	1	20	No	8	87.5	0.02	NP
Zinc (mg/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-200A	0	5	20	No	8	87.5	0.02	NP
Zinc (mg/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-211B	0	-1	-20	No	8	87.5	0.02	NP
Zinc (mg/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-217A	0	1	20	No	8	87.5	0.02	NP
Zinc (mg/L)	MW-218A	0	1	20	No	8	87.5	0.02	NP
Zinc (mg/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-18AR	0	0	17	No	7	100	0.02	NP
Zinc (mg/L)	MW-408	0	0	20	No	8	100	0.02	NP
Zinc (mg/L)	MW-410	0	-1	-20	No	8	87.5	0.02	NP

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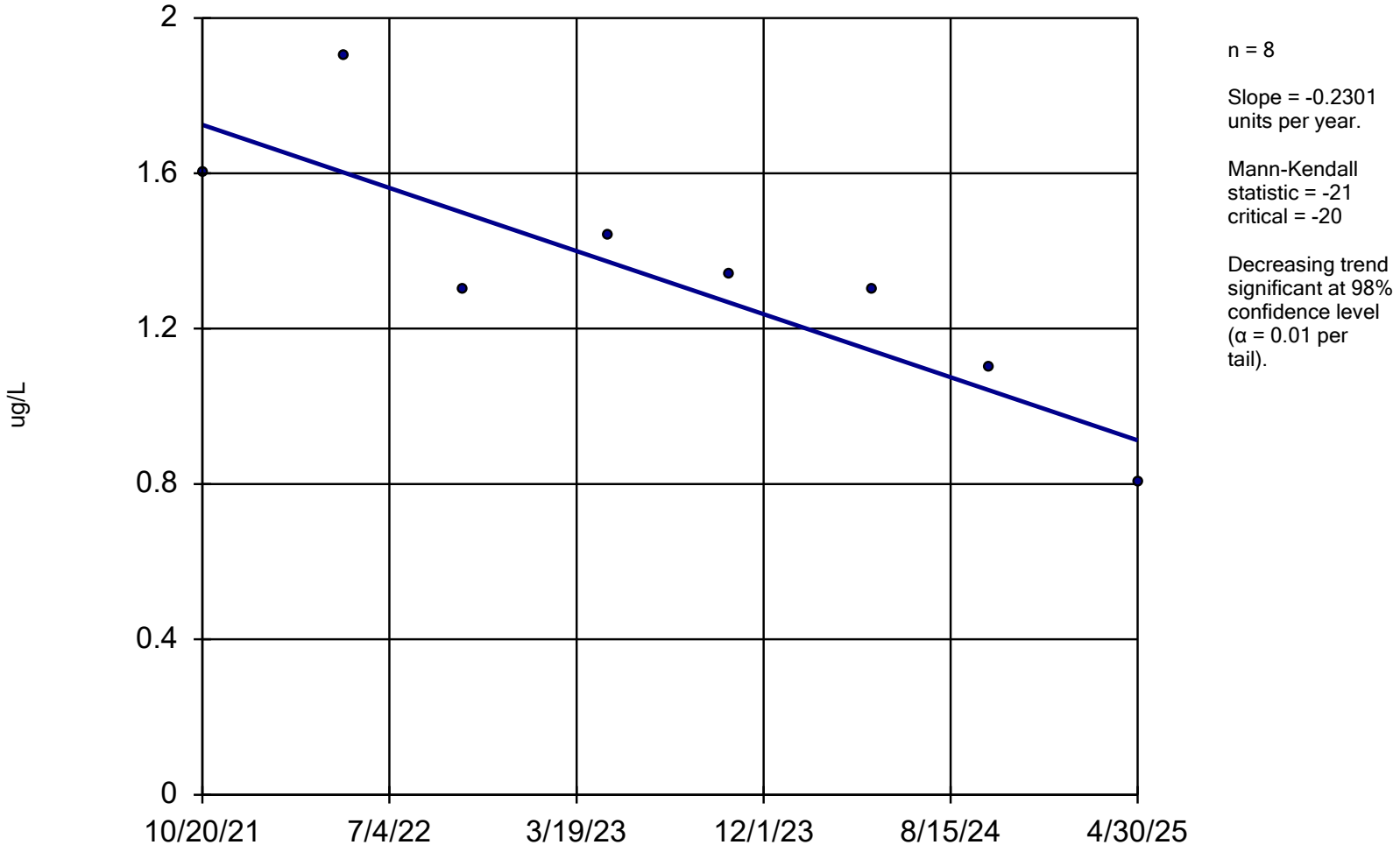
Sen's Slope Estimator

MW-18AR



n = 8

Slope = -0.2301 units per year.

Mann-Kendall statistic = -21
critical = -20

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Trichloroethene Analysis Run 7/14/2025 12:50 AM View: 06A_MW_Organics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
1,1,1-Trichloroethane (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
1,1,1-Trichloroethane (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-7B1	-0.02209	-6	-20	No	8	0	0.02	NP
1,1-Dichloroethane (ug/L)	MW-8B	-0.03827	-10	-20	No	8	50	0.02	NP
1,1-Dichloroethane (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-12B	-0.00421	-6	-20	No	8	50	0.02	NP
1,1-Dichloroethane (ug/L)	MW-14B	0.1129	6	20	No	8	12.5	0.02	NP
1,1-Dichloroethane (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
1,1-Dichloroethane (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-201A	0	5	20	No	8	87.5	0.02	NP
1,1-Dichloroethane (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-39B (bg)	0	5	20	No	8	87.5	0.02	NP
1,1-Dichloroethane (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-18AR	-0.07503	-8	-20	No	8	12.5	0.02	NP
1,1-Dichloroethane (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
1,1-Dichloroethane (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-8B	0	7	20	No	8	87.5	0.02	NP
1,2-Dichloroethane (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
1,2-Dichloroethane (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
1,2-Dichloroethane (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
1,2-Dichloropropane (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
1,2-Dichloropropane (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-5B	0	0	10	No	5	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-7B1	0	0	10	No	5	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-8B	0	0	10	No	5	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-12B	-0.03791	-3	-8	No	4	75	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-14B	0	0	10	No	5	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-29A	0	-4	-10	No	5	80	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-204A	0	0	8	No	4	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-208B	0	0	8	No	4	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
2,4,5-TP [Silvex] (ug/L)	MW-205A	0	NaN	NaN	No	3	100	NaN	NP
2,4,5-TP [Silvex] (ug/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
2,4,5-TP [Silvex] (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
2,4,5-TP [Silvex] (ug/L)	MW-38A (bg)	0	NaN	NaN	No	3	100	NaN	NP
2,4,5-TP [Silvex] (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
2,4,5-TP [Silvex] (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
2,4,5-TP [Silvex] (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
2,4,5-TP [Silvex] (ug/L)	MW-219A	0	NaN	NaN	No	3	100	NaN	NP
2,4,5-TP [Silvex] (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
2,4,5-TP [Silvex] (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
2,4-Dimethylphenol (ug/L)	MW-34A (bg)	0	NaN	NaN	No	3	100	NaN	NP
2,4-Dimethylphenol (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-5B	0	0	10	No	5	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-7B1	0	0	10	No	5	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-8B	0	0	10	No	5	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-12B	0	0	8	No	4	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-14B	0	0	10	No	5	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
2,4-Dimethylphenol (ug/L)	MW-204A	0	0	8	No	4	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-208B	0	0	8	No	4	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
2,4-Dimethylphenol (ug/L)	MW-205A	0	NaN	NaN	No	3	100	NaN	NP
2,4-Dimethylphenol (ug/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
2,4-Dimethylphenol (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
2,4-Dimethylphenol (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
2,4-Dimethylphenol (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
2,4-Dimethylphenol (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
2,4-Dimethylphenol (ug/L)	MW-219A	0	0	10	No	5	100	0.02	NP
2,4-Dimethylphenol (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
2,4-Dimethylphenol (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
2-Butanone [MEK] (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
2-Butanone [MEK] (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
2-Butanone [MEK] (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-34A (bg)	0	NaN	NaN	No	3	100	NaN	NP
2-Methylnaphthalene (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-5B	0	0	10	No	5	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-7B1	0	0	10	No	5	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-8B	0	0	10	No	5	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-12B	0	0	8	No	4	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-14B	0	0	10	No	5	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-204A	0	0	8	No	4	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-208B	0	0	8	No	4	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
2-Methylnaphthalene (ug/L)	MW-205A	0	NaN	NaN	No	3	100	NaN	NP
2-Methylnaphthalene (ug/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
2-Methylnaphthalene (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
2-Methylnaphthalene (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
2-Methylnaphthalene (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
2-Methylnaphthalene (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
2-Methylnaphthalene (ug/L)	MW-219A	0	0	10	No	5	100	0.02	NP
2-Methylnaphthalene (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
2-Methylnaphthalene (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
2-Methylphenol (ug/L)	MW-34A (bg)	0	NaN	NaN	No	3	100	NaN	NP
2-Methylphenol (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
2-Methylphenol (ug/L)	MW-5B	0	0	10	No	5	100	0.02	NP
2-Methylphenol (ug/L)	MW-7B1	0	0	10	No	5	100	0.02	NP
2-Methylphenol (ug/L)	MW-8B	0	0	10	No	5	100	0.02	NP
2-Methylphenol (ug/L)	MW-12B	0	0	8	No	4	100	0.02	NP
2-Methylphenol (ug/L)	MW-14B	0	0	10	No	5	100	0.02	NP
2-Methylphenol (ug/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
2-Methylphenol (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
2-Methylphenol (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
2-Methylphenol (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
2-Methylphenol (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP
2-Methylphenol (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
2-Methylphenol (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
2-Methylphenol (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
2-Methylphenol (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
2-Methylphenol (ug/L)	MW-204A	0	0	8	No	4	100	0.02	NP
2-Methylphenol (ug/L)	MW-208B	0	0	8	No	4	100	0.02	NP
2-Methylphenol (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
2-Methylphenol (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
2-Methylphenol (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
2-Methylphenol (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
2-Methylphenol (ug/L)	MW-205A	0	NaN	NaN	No	3	100	NaN	NP
2-Methylphenol (ug/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
2-Methylphenol (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
2-Methylphenol (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
2-Methylphenol (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
2-Methylphenol (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
2-Methylphenol (ug/L)	MW-219A	0	0	10	No	5	100	0.02	NP
2-Methylphenol (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
2-Methylphenol (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
4,4`-DDD (ug/L)	MW-34A (bg)	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDD (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
4,4`-DDD (ug/L)	MW-5B	0	0	10	No	5	100	0.02	NP
4,4`-DDD (ug/L)	MW-7B1	0	0	13	No	6	100	0.02	NP
4,4`-DDD (ug/L)	MW-8B	0	-7	-17	No	7	71.43	0.02	NP
4,4`-DDD (ug/L)	MW-12B	0	0	8	No	4	100	0.02	NP
4,4`-DDD (ug/L)	MW-14B	0	0	10	No	5	100	0.02	NP
4,4`-DDD (ug/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
4,4`-DDD (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
4,4`-DDD (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
4,4`-DDD (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
4,4`-DDD (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP
4,4`-DDD (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
4,4`-DDD (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
4,4`-DDD (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
4,4`-DDD (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP
4,4`-DDD (ug/L)	MW-204A	0	0	8	No	4	100	0.02	NP
4,4`-DDD (ug/L)	MW-208B	0	3	20	No	8	87.5	0.02	NP
4,4`-DDD (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
4,4`-DDD (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
4,4`-DDD (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
4,4`-DDD (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDD (ug/L)	MW-205A	0	NaN	NaN	No	3	66.67	NaN	NP
4,4`-DDD (ug/L)	MW-211B	0	NaN	NaN	No	3	66.67	NaN	NP
4,4`-DDD (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDD (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDD (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDD (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDD (ug/L)	MW-219A	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDD (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDD (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
4,4`-DDT (ug/L)	MW-34A (bg)	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDT (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
4,4`-DDT (ug/L)	MW-5B	0	0	10	No	5	100	0.02	NP
4,4`-DDT (ug/L)	MW-7B1	0	0	13	No	6	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
4,4`-DDT (ug/L)	MW-8B	0	0	17	No	7	100	0.02	NP
4,4`-DDT (ug/L)	MW-12B	0	0	8	No	4	100	0.02	NP
4,4`-DDT (ug/L)	MW-14B	0	0	10	No	5	100	0.02	NP
4,4`-DDT (ug/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
4,4`-DDT (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
4,4`-DDT (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
4,4`-DDT (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
4,4`-DDT (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP
4,4`-DDT (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
4,4`-DDT (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
4,4`-DDT (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
4,4`-DDT (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP
4,4`-DDT (ug/L)	MW-204A	0	0	8	No	4	100	0.02	NP
4,4`-DDT (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
4,4`-DDT (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
4,4`-DDT (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
4,4`-DDT (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
4,4`-DDT (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDT (ug/L)	MW-205A	0	NaN	NaN	No	3	66.67	NaN	NP
4,4`-DDT (ug/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDT (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDT (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDT (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDT (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDT (ug/L)	MW-219A	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDT (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
4,4`-DDT (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
4-Methyl-2-pentanone [MIBK]...	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-1B	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-5B	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-7B1	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-8B	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-10B	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-12B	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-14B	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-17A-00	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-23A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-24A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-25A-00	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-29A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-31B	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-201A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-202A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-203A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-204A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-208B	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-210B	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-215A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-214A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-200A	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
4-Methyl-2-pentanone [MIBK]...	MW-205A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-211B	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-213A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-310A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-312A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-38A (bg)	0	-1	-20	No	8	87.5	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-216A	0	5	20	No	8	87.5	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-217A	0	5	20	No	8	87.5	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-218A	0	5	20	No	8	87.5	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-219A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-220A	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-18AR	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-408	0	0	20	No	8	100	0.02	NP
4-Methyl-2-pentanone [MIBK]...	MW-410	0	3	20	No	8	87.5	0.02	NP
Acetone (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-5B	0	0	20	No	8	62.5	0.02	NP
Acetone (ug/L)	MW-7B1	0	-1	-20	No	8	87.5	0.02	NP
Acetone (ug/L)	MW-8B	-0.02982	-12	-20	No	8	50	0.02	NP
Acetone (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-12B	0	7	20	No	8	87.5	0.02	NP
Acetone (ug/L)	MW-14B	0	5	20	No	8	75	0.02	NP
Acetone (ug/L)	MW-17A-00	0	-3	-20	No	8	87.5	0.02	NP
Acetone (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-208B	0	5	20	No	8	75	0.02	NP
Acetone (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-214A	0	-7	-20	No	8	87.5	0.02	NP
Acetone (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-205A	0	1	20	No	8	87.5	0.02	NP
Acetone (ug/L)	MW-211B	0	1	20	No	8	87.5	0.02	NP
Acetone (ug/L)	MW-213A	0	3	20	No	8	87.5	0.02	NP
Acetone (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Acetone (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
Acetone (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-8B	-0.003161	-10	-20	No	8	50	0.02	NP
Benzene (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-208B	-0.03061	-12	-20	No	8	12.5	0.02	NP
Benzene (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-205A	0	5	20	No	8	75	0.02	NP
Benzene (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-39B (bg)	0	3	20	No	8	87.5	0.02	NP
Benzene (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
Benzene (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
Benzyl alcohol (ug/L)	MW-34A (bg)	0	NaN	NaN	No	3	100	NaN	NP
Benzyl alcohol (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
Benzyl alcohol (ug/L)	MW-5B	0	0	10	No	5	80	0.02	NP
Benzyl alcohol (ug/L)	MW-7B1	0	0	10	No	5	100	0.02	NP
Benzyl alcohol (ug/L)	MW-8B	0	0	10	No	5	100	0.02	NP
Benzyl alcohol (ug/L)	MW-12B	0	0	8	No	4	100	0.02	NP
Benzyl alcohol (ug/L)	MW-14B	0	0	10	No	5	100	0.02	NP
Benzyl alcohol (ug/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
Benzyl alcohol (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Benzyl alcohol (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
Benzyl alcohol (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
Benzyl alcohol (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP
Benzyl alcohol (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
Benzyl alcohol (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
Benzyl alcohol (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
Benzyl alcohol (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP
Benzyl alcohol (ug/L)	MW-204A	0	0	8	No	4	100	0.02	NP
Benzyl alcohol (ug/L)	MW-208B	0	0	8	No	4	100	0.02	NP
Benzyl alcohol (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
Benzyl alcohol (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
Benzyl alcohol (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
Benzyl alcohol (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
Benzyl alcohol (ug/L)	MW-205A	0	NaN	NaN	No	3	100	NaN	NP
Benzyl alcohol (ug/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
Benzyl alcohol (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
Benzyl alcohol (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Benzyl alcohol (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Benzyl alcohol (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
Benzyl alcohol (ug/L)	MW-219A	0	0	10	No	5	100	0.02	NP
Benzyl alcohol (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Benzyl alcohol (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
Beta-BHC (ug/L)	MW-34A (bg)	0	0	17	No	7	100	0.02	NP
Beta-BHC (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
Beta-BHC (ug/L)	MW-5B	0	0	10	No	5	100	0.02	NP
Beta-BHC (ug/L)	MW-7B1	0	0	13	No	6	100	0.02	NP
Beta-BHC (ug/L)	MW-8B	0	0	17	No	7	100	0.02	NP
Beta-BHC (ug/L)	MW-12B	0	-1	-8	No	4	75	0.02	NP
Beta-BHC (ug/L)	MW-14B	0	0	10	No	5	100	0.02	NP
Beta-BHC (ug/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
Beta-BHC (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
Beta-BHC (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
Beta-BHC (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
Beta-BHC (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP
Beta-BHC (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
Beta-BHC (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
Beta-BHC (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
Beta-BHC (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP
Beta-BHC (ug/L)	MW-204A	0	-1	-8	No	4	75	0.02	NP
Beta-BHC (ug/L)	MW-208B	0.003151	5	8	No	4	50	0.02	NP
Beta-BHC (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
Beta-BHC (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
Beta-BHC (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
Beta-BHC (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
Beta-BHC (ug/L)	MW-205A	0	NaN	NaN	No	3	66.67	NaN	NP
Beta-BHC (ug/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
Beta-BHC (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
Beta-BHC (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Beta-BHC (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Beta-BHC (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Beta-BHC (ug/L)	MW-219A	0	NaN	NaN	No	3	100	NaN	NP
Beta-BHC (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Beta-BHC (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
Bis[2-chloroethoxy]methane ...	MW-34A (bg)	0	NaN	NaN	No	2	100	NaN	NP
Bis[2-chloroethoxy]methane ...	MW-1B	0	0	10	No	5	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-5B	0	0	10	No	5	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-7B1	0	0	10	No	5	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-8B	0	0	10	No	5	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-12B	0	0	8	No	4	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-14B	0	0	10	No	5	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-17A-00	0	0	10	No	5	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-23A	0	0	10	No	5	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-24A	0	0	10	No	5	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-25A-00	0	0	10	No	5	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-29A	0	0	10	No	5	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-31B	0	0	10	No	5	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-201A	0	0	8	No	4	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-202A	0	0	8	No	4	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-203A	0	0	8	No	4	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-204A	0	0	8	No	4	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-208B	0	0	8	No	4	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-210B	0	0	8	No	4	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-215A	0	0	8	No	4	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-214A	0	0	8	No	4	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
Bis[2-chloroethoxy]methane ...	MW-205A	0	NaN	NaN	No	3	100	NaN	NP
Bis[2-chloroethoxy]methane ...	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
Bis[2-chloroethoxy]methane ...	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
Bis[2-chloroethoxy]methane ...	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Bis[2-chloroethoxy]methane ...	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Bis[2-chloroethoxy]methane ...	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
Bis[2-chloroethoxy]methane ...	MW-219A	0	0	10	No	5	100	0.02	NP
Bis[2-chloroethoxy]methane ...	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Bis[2-chloroethoxy]methane ...	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
Bis[2-ethylhexyl]phthalate ...	MW-34A (bg)	0	NaN	NaN	No	2	100	NaN	NP
Bis[2-ethylhexyl]phthalate ...	MW-1B	0	0	10	No	5	100	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-5B	0	0	10	No	5	80	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-7B1	0	0	10	No	5	80	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-8B	0	0	10	No	5	80	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-12B	0	1	17	No	7	71.43	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-14B	0	0	10	No	5	80	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-17A-00	0	0	10	No	5	80	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-23A	0	0	10	No	5	80	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-24A	0	0	10	No	5	80	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-25A-00	0	0	10	No	5	80	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-29A	0	0	10	No	5	100	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-31B	0	12	20	No	8	75	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-201A	0	7	20	No	8	87.5	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-202A	0	1	8	No	4	75	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-203A	0	1	8	No	4	75	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Bis[2-ethylhexyl]phthalate ...	MW-204A	0	-1	-8	No	4	75	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-208B	0	-1	-8	No	4	75	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-210B	0	-1	-8	No	4	75	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-215A	0	7	20	No	8	87.5	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-214A	0	11	20	No	8	75	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-200A	0	NaN	NaN	No	3	66.67	NaN	NP
Bis[2-ethylhexyl]phthalate ...	MW-205A	0	NaN	NaN	No	3	66.67	NaN	NP
Bis[2-ethylhexyl]phthalate ...	MW-211B	0	NaN	NaN	No	3	66.67	NaN	NP
Bis[2-ethylhexyl]phthalate ...	MW-213A	0	NaN	NaN	No	3	66.67	NaN	NP
Bis[2-ethylhexyl]phthalate ...	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Bis[2-ethylhexyl]phthalate ...	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Bis[2-ethylhexyl]phthalate ...	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
Bis[2-ethylhexyl]phthalate ...	MW-219A	0	0	10	No	5	80	0.02	NP
Bis[2-ethylhexyl]phthalate ...	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Bis[2-ethylhexyl]phthalate ...	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
Carbon Disulfide (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Carbon Disulfide (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
Carbon Disulfide (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-1B	0	3	20	No	8	87.5	0.02	NP
Carbon Tetrachloride (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-25A-00	0	3	20	No	8	87.5	0.02	NP
Carbon Tetrachloride (ug/L)	MW-29A	0	5	20	No	8	87.5	0.02	NP
Carbon Tetrachloride (ug/L)	MW-31B	0	5	20	No	8	87.5	0.02	NP
Carbon Tetrachloride (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-312A	0	7	20	No	8	87.5	0.02	NP
Carbon Tetrachloride (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-220A	0	5	20	No	8	87.5	0.02	NP
Carbon Tetrachloride (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
Carbon Tetrachloride (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Chlorobenzene (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
Chlorobenzene (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-8B	0	-1	-20	No	8	87.5	0.02	NP
Chloroethane (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-204A	0	3	20	No	8	87.5	0.02	NP
Chloroethane (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Chloroethane (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
Chloroethane (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Chloromethane (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
Chloromethane (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-1B	0	-5	-20	No	8	87.5	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-201A	0	-3	-20	No	8	87.5	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-208B	0	-7	-20	No	8	87.5	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-205A	0	-5	-20	No	8	87.5	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-18AR	-0.1605	-17	-20	No	8	0	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
cis-1,2-Dichloroethene (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
Delta-BHC (ug/L)	MW-34A (bg)	0	0	8	No	4	100	0.02	NP
Delta-BHC (ug/L)	MW-1B	0	-2	-10	No	5	80	0.02	NP
Delta-BHC (ug/L)	MW-5B	0	0	10	No	5	100	0.02	NP
Delta-BHC (ug/L)	MW-7B1	0	0	13	No	6	100	0.02	NP
Delta-BHC (ug/L)	MW-8B	0	0	17	No	7	100	0.02	NP
Delta-BHC (ug/L)	MW-12B	0	0	8	No	4	100	0.02	NP
Delta-BHC (ug/L)	MW-14B	0	0	10	No	5	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Delta-BHC (ug/L)	MW-17A-00	0	-2	-10	No	5	80	0.02	NP
Delta-BHC (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
Delta-BHC (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
Delta-BHC (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
Delta-BHC (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP
Delta-BHC (ug/L)	MW-31B	0	-2	-10	No	5	80	0.02	NP
Delta-BHC (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
Delta-BHC (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
Delta-BHC (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP
Delta-BHC (ug/L)	MW-204A	0	1	8	No	4	75	0.02	NP
Delta-BHC (ug/L)	MW-208B	0.002202	3	8	No	4	50	0.02	NP
Delta-BHC (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
Delta-BHC (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
Delta-BHC (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
Delta-BHC (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
Delta-BHC (ug/L)	MW-205A	0	NaN	NaN	No	3	66.67	NaN	NP
Delta-BHC (ug/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
Delta-BHC (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
Delta-BHC (ug/L)	MW-38A (bg)	0	NaN	NaN	No	2	100	NaN	NP
Delta-BHC (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Delta-BHC (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Delta-BHC (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Delta-BHC (ug/L)	MW-219A	0	NaN	NaN	No	3	100	NaN	NP
Delta-BHC (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Delta-BHC (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
Dichlorodifluoromethane (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-5B	0	0	10	No	5	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-7B1	0	0	10	No	5	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-8B	0	0	10	No	5	80	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-12B	0	0	8	No	4	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-14B	0	0	10	No	5	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-17A-00	-0.1772	-5	-10	No	5	40	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-204A	0	0	8	No	4	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-208B	0	-1	-8	No	4	75	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-200A	-0.2485	-18	-20	No	8	0	0.02	NP
Dichlorodifluoromethane (ug/L)	MW-205A	0	NaN	NaN	No	3	66.67	NaN	NP
Dichlorodifluoromethane (ug/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
Dichlorodifluoromethane (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Dichlorodifluoromethane (ug/L)	MW-38A (bg)	0	NaN	NaN	No	3	100	NaN	NP
Dichlorodifluoromethane (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Dichlorodifluoromethane (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Dichlorodifluoromethane (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
Dichlorodifluoromethane (ug/L)	MW-219A	0	NaN	NaN	No	3	100	NaN	NP
Dichlorodifluoromethane (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Dichlorodifluoromethane (ug/L)	MW-18AR	-2.324	-16	-20	No	8	0	0.02	NP
Endrin (ug/L)	MW-34A (bg)	0	NaN	NaN	No	3	100	NaN	NP
Endrin (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
Endrin (ug/L)	MW-5B	0	0	10	No	5	100	0.02	NP
Endrin (ug/L)	MW-7B1	0	0	13	No	6	100	0.02	NP
Endrin (ug/L)	MW-8B	0	0	17	No	7	100	0.02	NP
Endrin (ug/L)	MW-12B	0	0	8	No	4	100	0.02	NP
Endrin (ug/L)	MW-14B	0	0	10	No	5	80	0.02	NP
Endrin (ug/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
Endrin (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
Endrin (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
Endrin (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
Endrin (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP
Endrin (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
Endrin (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
Endrin (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
Endrin (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP
Endrin (ug/L)	MW-204A	0	0	8	No	4	100	0.02	NP
Endrin (ug/L)	MW-208B	0	13	20	No	8	75	0.02	NP
Endrin (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
Endrin (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
Endrin (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
Endrin (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
Endrin (ug/L)	MW-205A	0	NaN	NaN	No	3	66.67	NaN	NP
Endrin (ug/L)	MW-211B	0	NaN	NaN	No	3	66.67	NaN	NP
Endrin (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
Endrin (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Endrin (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Endrin (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
Endrin (ug/L)	MW-219A	0	NaN	NaN	No	3	100	NaN	NP
Endrin (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Endrin (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
Endrin aldehyde (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Endrin aldehyde (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
Endrin aldehyde (ug/L)	MW-5B	0	0	10	No	5	100	0.02	NP
Endrin aldehyde (ug/L)	MW-7B1	0	0	13	No	6	100	0.02	NP
Endrin aldehyde (ug/L)	MW-8B	0	-2	-17	No	7	85.71	0.02	NP
Endrin aldehyde (ug/L)	MW-12B	-0.0009075	-3	-8	No	4	75	0.02	NP
Endrin aldehyde (ug/L)	MW-14B	0	0	10	No	5	100	0.02	NP
Endrin aldehyde (ug/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
Endrin aldehyde (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
Endrin aldehyde (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
Endrin aldehyde (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
Endrin aldehyde (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Endrin aldehyde (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
Endrin aldehyde (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
Endrin aldehyde (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
Endrin aldehyde (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP
Endrin aldehyde (ug/L)	MW-204A	0	0	8	No	4	100	0.02	NP
Endrin aldehyde (ug/L)	MW-208B	0.000636	3	8	No	4	75	0.02	NP
Endrin aldehyde (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
Endrin aldehyde (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
Endrin aldehyde (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
Endrin aldehyde (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
Endrin aldehyde (ug/L)	MW-205A	0	NaN	NaN	No	3	100	NaN	NP
Endrin aldehyde (ug/L)	MW-211B	0	NaN	NaN	No	3	66.67	NaN	NP
Endrin aldehyde (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
Endrin aldehyde (ug/L)	MW-38A (bg)	0	0	8	No	4	100	0.02	NP
Endrin aldehyde (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Endrin aldehyde (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Endrin aldehyde (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
Endrin aldehyde (ug/L)	MW-219A	0	NaN	NaN	No	3	100	NaN	NP
Endrin aldehyde (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Endrin aldehyde (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
Ethylbenzene (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Ethylbenzene (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
Ethylbenzene (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
Heptachlor (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Heptachlor (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
Heptachlor (ug/L)	MW-5B	0	0	10	No	5	80	0.02	NP
Heptachlor (ug/L)	MW-7B1	0	0	13	No	6	100	0.02	NP
Heptachlor (ug/L)	MW-8B	0	0	17	No	7	100	0.02	NP
Heptachlor (ug/L)	MW-12B	0	0	8	No	4	100	0.02	NP
Heptachlor (ug/L)	MW-14B	0	0	10	No	5	80	0.02	NP
Heptachlor (ug/L)	MW-17A-00	0	0	10	No	5	80	0.02	NP
Heptachlor (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
Heptachlor (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
Heptachlor (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
Heptachlor (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP
Heptachlor (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
Heptachlor (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
Heptachlor (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
Heptachlor (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP
Heptachlor (ug/L)	MW-204A	0	0	8	No	4	100	0.02	NP
Heptachlor (ug/L)	MW-208B	0	-1	-20	No	8	75	0.02	NP
Heptachlor (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
Heptachlor (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
Heptachlor (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
Heptachlor (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
Heptachlor (ug/L)	MW-205A	0	NaN	NaN	No	3	66.67	NaN	NP
Heptachlor (ug/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
Heptachlor (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
Heptachlor (ug/L)	MW-38A (bg)	0	NaN	NaN	No	3	100	NaN	NP
Heptachlor (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Heptachlor (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Heptachlor (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
Heptachlor (ug/L)	MW-219A	0	NaN	NaN	No	3	100	NaN	NP
Heptachlor (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Heptachlor (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
Isobutanol (mg/L)	MW-34A (bg)	0	NaN	NaN	No	2	100	NaN	NP
Isobutanol (mg/L)	MW-1B	0	0	10	No	5	100	0.02	NP
Isobutanol (mg/L)	MW-5B	0	0	10	No	5	100	0.02	NP
Isobutanol (mg/L)	MW-7B1	0	0	10	No	5	100	0.02	NP
Isobutanol (mg/L)	MW-8B	0	0	10	No	5	100	0.02	NP
Isobutanol (mg/L)	MW-12B	0	0	8	No	4	100	0.02	NP
Isobutanol (mg/L)	MW-14B	0	0	10	No	5	100	0.02	NP
Isobutanol (mg/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
Isobutanol (mg/L)	MW-23A	0	0	10	No	5	100	0.02	NP
Isobutanol (mg/L)	MW-24A	0	0	10	No	5	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Isobutanol (mg/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
Isobutanol (mg/L)	MW-29A	0	0	10	No	5	100	0.02	NP
Isobutanol (mg/L)	MW-31B	0	0	10	No	5	100	0.02	NP
Isobutanol (mg/L)	MW-201A	0	0	8	No	4	100	0.02	NP
Isobutanol (mg/L)	MW-202A	0	0	8	No	4	100	0.02	NP
Isobutanol (mg/L)	MW-203A	0	0	8	No	4	100	0.02	NP
Isobutanol (mg/L)	MW-204A	0	0	8	No	4	100	0.02	NP
Isobutanol (mg/L)	MW-208B	0	0	8	No	4	100	0.02	NP
Isobutanol (mg/L)	MW-210B	0	0	8	No	4	100	0.02	NP
Isobutanol (mg/L)	MW-215A	0	0	8	No	4	100	0.02	NP
Isobutanol (mg/L)	MW-214A	0	0	8	No	4	100	0.02	NP
Isobutanol (mg/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
Isobutanol (mg/L)	MW-205A	0	NaN	NaN	No	3	100	NaN	NP
Isobutanol (mg/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
Isobutanol (mg/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
Isobutanol (mg/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Isobutanol (mg/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Isobutanol (mg/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
Isobutanol (mg/L)	MW-219A	0	NaN	NaN	No	3	100	NaN	NP
Isobutanol (mg/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Isobutanol (mg/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
m/p-Cresol (ug/L)	MW-34A (bg)	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-1B	0	0	8	No	4	100	0.02	NP
m/p-Cresol (ug/L)	MW-5B	0	0	8	No	4	100	0.02	NP
m/p-Cresol (ug/L)	MW-7B1	0	0	8	No	4	100	0.02	NP
m/p-Cresol (ug/L)	MW-8B	0	0	8	No	4	100	0.02	NP
m/p-Cresol (ug/L)	MW-12B	0	0	8	No	4	100	0.02	NP
m/p-Cresol (ug/L)	MW-14B	0	0	8	No	4	100	0.02	NP
m/p-Cresol (ug/L)	MW-17A-00	0	0	8	No	4	100	0.02	NP
m/p-Cresol (ug/L)	MW-23A	0	0	8	No	4	100	0.02	NP
m/p-Cresol (ug/L)	MW-24A	0	0	8	No	4	100	0.02	NP
m/p-Cresol (ug/L)	MW-25A-00	0	0	8	No	4	100	0.02	NP
m/p-Cresol (ug/L)	MW-29A	0	0	8	No	4	100	0.02	NP
m/p-Cresol (ug/L)	MW-31B	0	0	8	No	4	100	0.02	NP
m/p-Cresol (ug/L)	MW-201A	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-202A	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-203A	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-204A	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-208B	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-210B	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-215A	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-214A	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-205A	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-219A	0	0	10	No	5	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
m/p-Cresol (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
m/p-Cresol (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
O-Toluidine (ug/L)	MW-34A (bg)	0	NaN	NaN	No	3	100	NaN	NP
O-Toluidine (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
O-Toluidine (ug/L)	MW-5B	0	0	10	No	5	100	0.02	NP
O-Toluidine (ug/L)	MW-7B1	0	0	10	No	5	100	0.02	NP
O-Toluidine (ug/L)	MW-8B	0	0	10	No	5	100	0.02	NP
O-Toluidine (ug/L)	MW-12B	0	0	8	No	4	100	0.02	NP
O-Toluidine (ug/L)	MW-14B	0	0	10	No	5	100	0.02	NP
O-Toluidine (ug/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
O-Toluidine (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
O-Toluidine (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
O-Toluidine (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
O-Toluidine (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP
O-Toluidine (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
O-Toluidine (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
O-Toluidine (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
O-Toluidine (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP
O-Toluidine (ug/L)	MW-204A	0	1	8	No	4	75	0.02	NP
O-Toluidine (ug/L)	MW-208B	0	0	8	No	4	100	0.02	NP
O-Toluidine (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
O-Toluidine (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
O-Toluidine (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
O-Toluidine (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
O-Toluidine (ug/L)	MW-205A	0	NaN	NaN	No	3	100	NaN	NP
O-Toluidine (ug/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
O-Toluidine (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
O-Toluidine (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
O-Toluidine (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
O-Toluidine (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
O-Toluidine (ug/L)	MW-219A	0	0	10	No	5	100	0.02	NP
O-Toluidine (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
O-Toluidine (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
Phenol (ug/L)	MW-34A (bg)	0	NaN	NaN	No	3	100	NaN	NP
Phenol (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
Phenol (ug/L)	MW-5B	0	0	10	No	5	100	0.02	NP
Phenol (ug/L)	MW-7B1	0	0	10	No	5	100	0.02	NP
Phenol (ug/L)	MW-8B	0	0	10	No	5	100	0.02	NP
Phenol (ug/L)	MW-12B	0	0	8	No	4	100	0.02	NP
Phenol (ug/L)	MW-14B	0	0	10	No	5	100	0.02	NP
Phenol (ug/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
Phenol (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
Phenol (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP
Phenol (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
Phenol (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP
Phenol (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
Phenol (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
Phenol (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
Phenol (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP
Phenol (ug/L)	MW-204A	0	0	8	No	4	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Phenol (ug/L)	MW-208B	0	0	8	No	4	100	0.02	NP
Phenol (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
Phenol (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
Phenol (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
Phenol (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
Phenol (ug/L)	MW-205A	0	NaN	NaN	No	3	100	NaN	NP
Phenol (ug/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
Phenol (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
Phenol (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Phenol (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Phenol (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
Phenol (ug/L)	MW-219A	0	0	10	No	5	100	0.02	NP
Phenol (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Phenol (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
Tetrachloroethene (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-200A	0	-7	-20	No	8	87.5	0.02	NP
Tetrachloroethene (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-18AR	-0.145	-6	-20	No	8	0	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Tetrachloroethene (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
Tetrachloroethene (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-5B	0	5	20	No	8	75	0.02	NP
Toluene (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-201A	0	7	20	No	8	87.5	0.02	NP
Toluene (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-205A	0	3	20	No	8	87.5	0.02	NP
Toluene (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-312A	0	5	20	No	8	87.5	0.02	NP
Toluene (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
Toluene (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
Toxaphene (ug/L)	MW-34A (bg)	0	0	17	No	7	100	0.02	NP
Toxaphene (ug/L)	MW-1B	0	0	10	No	5	100	0.02	NP
Toxaphene (ug/L)	MW-5B	0	0	10	No	5	100	0.02	NP
Toxaphene (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Toxaphene (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Toxaphene (ug/L)	MW-12B	0	0	8	No	4	100	0.02	NP
Toxaphene (ug/L)	MW-14B	0	0	10	No	5	100	0.02	NP
Toxaphene (ug/L)	MW-17A-00	0	0	10	No	5	100	0.02	NP
Toxaphene (ug/L)	MW-23A	0	0	10	No	5	100	0.02	NP
Toxaphene (ug/L)	MW-24A	0	0	10	No	5	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Toxaphene (ug/L)	MW-25A-00	0	0	10	No	5	100	0.02	NP
Toxaphene (ug/L)	MW-29A	0	0	10	No	5	100	0.02	NP
Toxaphene (ug/L)	MW-31B	0	0	10	No	5	100	0.02	NP
Toxaphene (ug/L)	MW-201A	0	0	8	No	4	100	0.02	NP
Toxaphene (ug/L)	MW-202A	0	0	8	No	4	100	0.02	NP
Toxaphene (ug/L)	MW-203A	0	0	8	No	4	100	0.02	NP
Toxaphene (ug/L)	MW-204A	0	0	8	No	4	100	0.02	NP
Toxaphene (ug/L)	MW-208B	0	0	8	No	4	100	0.02	NP
Toxaphene (ug/L)	MW-210B	0	0	8	No	4	100	0.02	NP
Toxaphene (ug/L)	MW-215A	0	0	8	No	4	100	0.02	NP
Toxaphene (ug/L)	MW-214A	0	0	8	No	4	100	0.02	NP
Toxaphene (ug/L)	MW-200A	0	NaN	NaN	No	3	100	NaN	NP
Toxaphene (ug/L)	MW-205A	0	NaN	NaN	No	3	100	NaN	NP
Toxaphene (ug/L)	MW-211B	0	NaN	NaN	No	3	100	NaN	NP
Toxaphene (ug/L)	MW-213A	0	NaN	NaN	No	3	100	NaN	NP
Toxaphene (ug/L)	MW-39B (bg)	0	NaN	NaN	No	2	100	NaN	NP
Toxaphene (ug/L)	MW-216A	0	NaN	NaN	No	3	100	NaN	NP
Toxaphene (ug/L)	MW-217A	0	NaN	NaN	No	3	100	NaN	NP
Toxaphene (ug/L)	MW-218A	0	NaN	NaN	No	3	100	NaN	NP
Toxaphene (ug/L)	MW-219A	0	NaN	NaN	No	3	100	NaN	NP
Toxaphene (ug/L)	MW-220A	0	NaN	NaN	No	3	100	NaN	NP
Toxaphene (ug/L)	MW-18AR	0	NaN	NaN	No	2	100	NaN	NP
trans-1,2-Dichloroethene (u...	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-1B	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-5B	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-7B1	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-8B	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-10B	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-12B	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-14B	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-17A-00	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-23A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-24A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-25A-00	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-29A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-31B	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-201A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-202A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-203A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-204A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-208B	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-210B	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-215A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-214A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-200A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-205A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-211B	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-213A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-310A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-312A	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
trans-1,2-Dichloroethene (u...	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-216A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-217A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-218A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-219A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-220A	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-18AR	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-408	0	0	20	No	8	100	0.02	NP
trans-1,2-Dichloroethene (u...	MW-410	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-200A	0	7	20	No	8	87.5	0.02	NP
Trichloroethene (ug/L)	MW-205A	0	-7	-20	No	8	87.5	0.02	NP
Trichloroethene (ug/L)	MW-211B	0	7	20	No	8	87.5	0.02	NP
Trichloroethene (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	**MW-18AR**	**-0.2301**	**-21**	**-20**	**Yes**	**8**	**0**	**0.02**	**NP**
Trichloroethene (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
Trichloroethene (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Trichlorofluoromethane (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-17A-00	0	-3	-20	No	8	50	0.02	NP
Trichlorofluoromethane (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-18AR	-0.7376	-14	-20	No	8	0	0.02	NP
Trichlorofluoromethane (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
Trichlorofluoromethane (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-7B1	0	-2	-20	No	8	50	0.02	NP
Vinyl Chloride (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Vinyl Chloride (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
Vinyl Chloride (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-34A (bg)	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-1B	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-5B	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-7B1	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-8B	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-10B	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-12B	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-14B	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-17A-00	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-23A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-24A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-25A-00	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-29A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-31B	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-201A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-202A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-203A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-204A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-208B	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-210B	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-215A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-214A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-200A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-205A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-211B	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-213A	0	0	20	No	8	100	0.02	NP

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 12:54 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Alpha	Method
Xylenes, Total (ug/L)	MW-310A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-312A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-38A (bg)	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-39B (bg)	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-216A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-217A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-218A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-219A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-220A	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-18AR	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-408	0	0	20	No	8	100	0.02	NP
Xylenes, Total (ug/L)	MW-410	0	0	20	No	8	100	0.02	NP

Groundwater Monitoring Wells –

Prediction Limits

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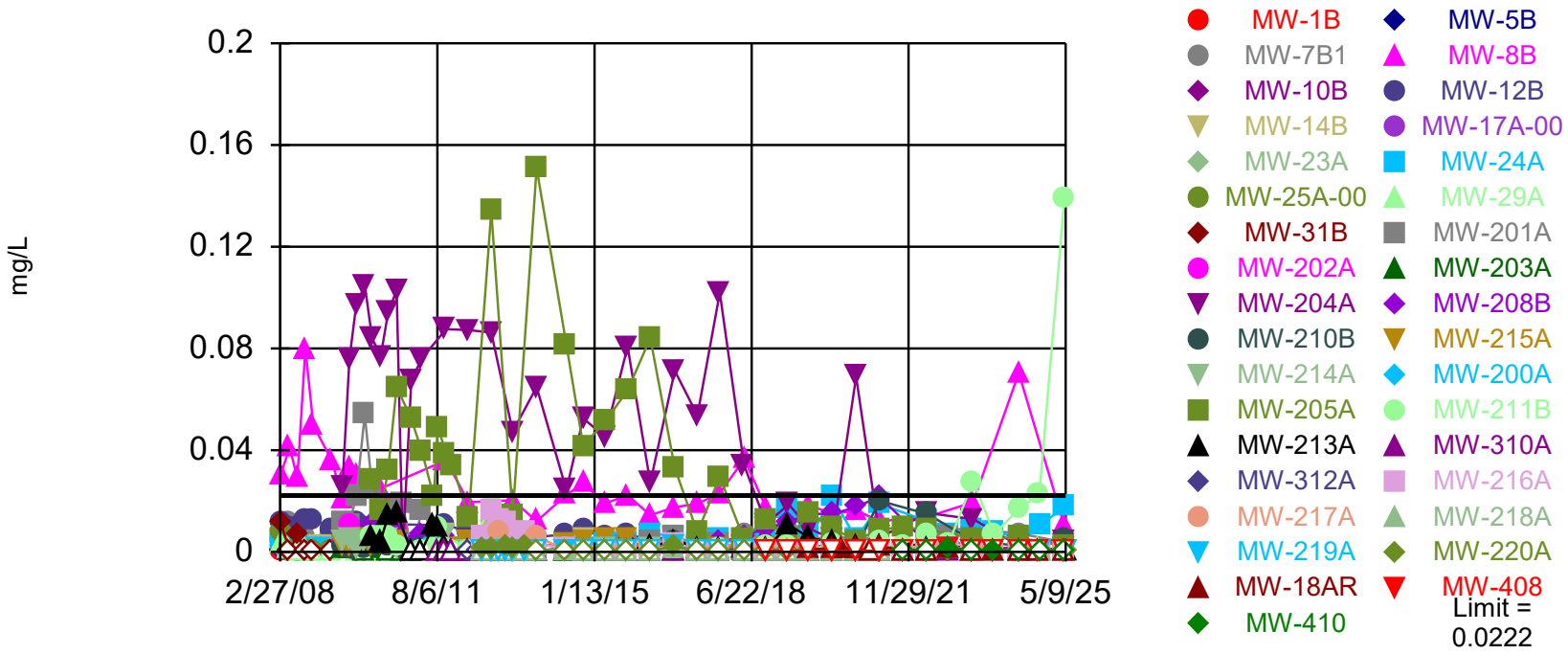
Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-211B

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 90 background values. 70% NDs. Annual per-constituent alpha = 0.01901. Individual comparison alpha = 0.0002285 (1 of 2). Comparing 35 points to limit. Assumes 7 future values.

Constituent: Arsenic Analysis Run 7/13/2025 9:12 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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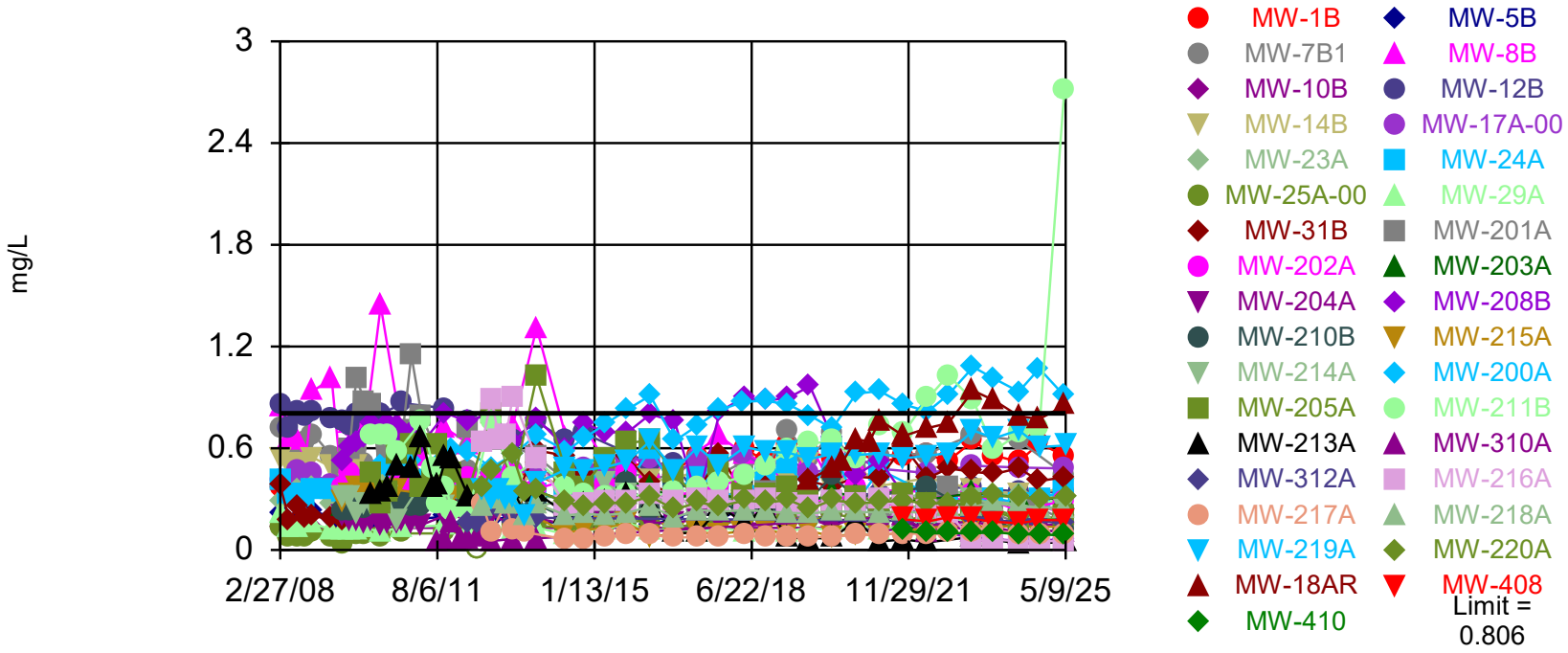
Hollow symbols indicate censored values.

Exceeds Limit: MW-200A, MW-211B, MW-18AR

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 92 background values. Annual per-constituent alpha = 0.01833. Individual comparison alpha = 0.0002202 (1 of 2). Comparing 35 points to limit. Assumes 7 future values.

Constituent: Barium Analysis Run 7/13/2025 9:12 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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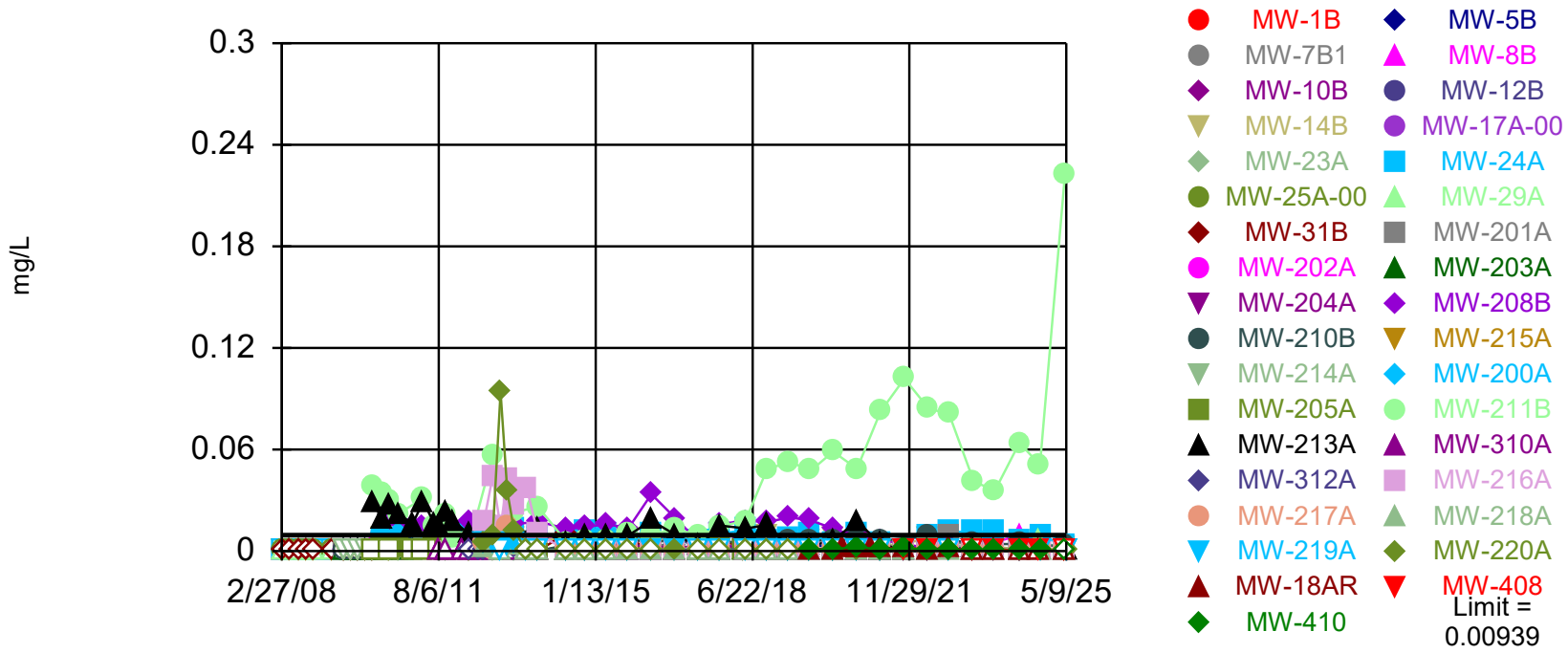
Hollow symbols indicate censored values.

Exceeds Limit: MW-211B

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 92 background values. 57.61% NDs. Annual per-constituent alpha = 0.01833. Individual comparison alpha = 0.0002202 (1 of 2). Comparing 35 points to limit. Assumes 7 future values.

Constituent: Cobalt Analysis Run 7/13/2025 9:12 PM View: 05A_MW_Inorganics_PL

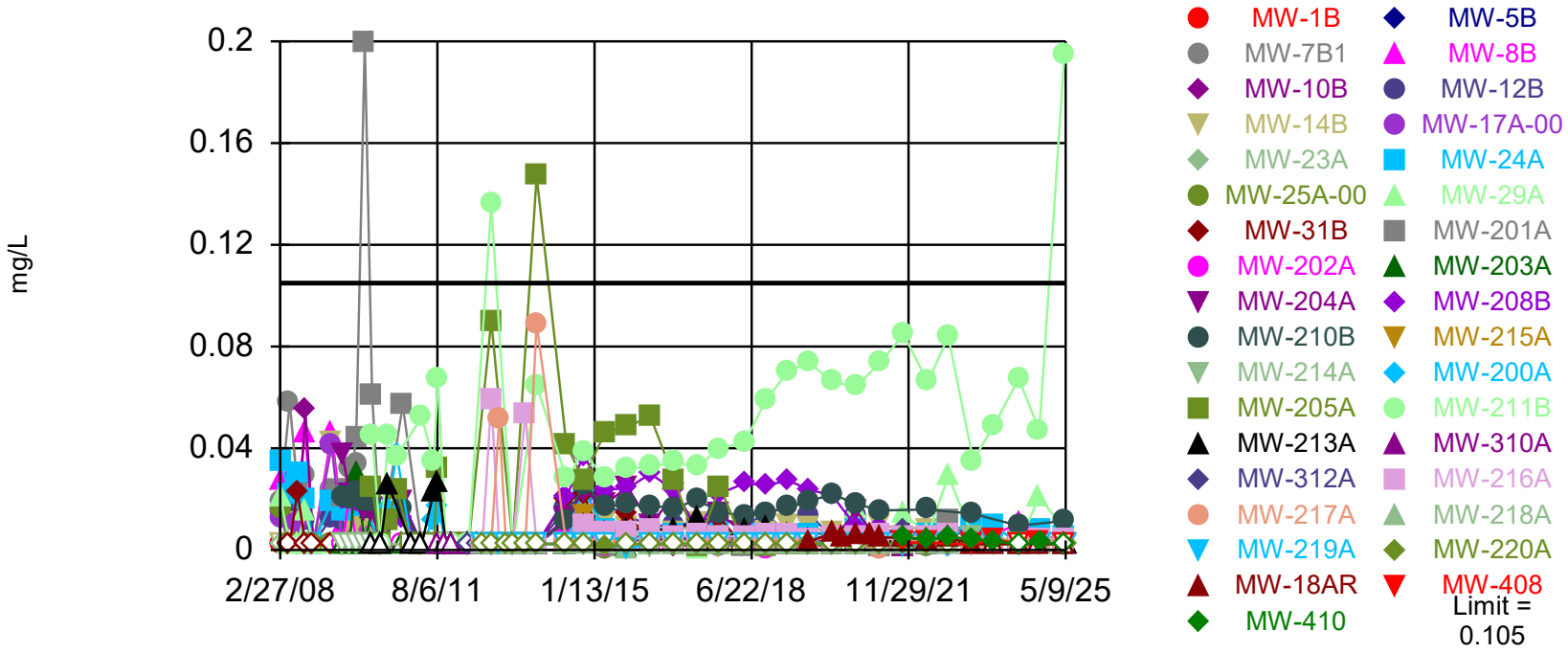
Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Sanitas™ v.10.0.27 Software licensed to HDR, Inc. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-211B

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 89 background values. 66.29% NDs. Annual per-constituent alpha = 0.01948. Individual comparison alpha = 0.0002341 (1 of 2). Comparing 35 points to limit. Assumes 7 future values.

Constituent: Nickel Analysis Run 7/13/2025 9:13 PM View: 05A_MW_Inorganics_PL

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Trans...	Alpha	Method
Antimony (mg/L)	MW-1B	0.001	5/6/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-5B	0.001	5/6/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-7B1	0.001	5/6/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-8B	0.001	4/25/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-10B	0.001	4/25/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-12B	0.001	5/2/2022	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-14B	0.001	4/23/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-17A-00	0.001	4/23/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-23A	0.001	5/8/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-24A	0.001	5/7/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-25A-00	0.001	5/8/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-29A	0.001	5/5/2025	0.00105J	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-31B	0.001	5/7/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-201A	0.001	5/6/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-202A	0.001	4/23/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-203A	0.001	5/6/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-204A	0.001	4/24/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-208B	0.001	4/25/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-210B	0.001	5/5/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-215A	0.001	5/7/2025	0.00141J	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-214A	0.001	4/23/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-200A	0.001	10/20/2021	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-205A	0.001	10/20/2021	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-211B	0.001	4/28/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-213A	0.001	10/20/2021	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-310A	0.001	4/30/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-312A	0.001	4/30/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-216A	0.001	5/7/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-217A	0.001	5/7/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-218A	0.001	5/7/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-219A	0.001	5/9/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-220A	0.001	5/9/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-18AR	0.001	10/20/2021	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-408	0.001	5/5/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Antimony (mg/L)	MW-410	0.001	5/8/2025	0.001ND	No	85	MW-39B,MW-34A,MW-38A	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-1B	0.0222	5/6/2025	0.00148J	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-5B	0.0222	5/6/2025	0.000655J	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-7B1	0.0222	5/6/2025	0.00361	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-8B	0.0222	4/25/2025	0.011	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-10B	0.0222	4/25/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-12B	0.0222	5/7/2025	0.000752J	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-14B	0.0222	4/23/2025	0.000963J	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-17A-00	0.0222	4/23/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-23A	0.0222	5/8/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-24A	0.0222	5/7/2025	0.018	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-25A-00	0.0222	5/8/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-29A	0.0222	5/5/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-31B	0.0222	5/7/2025	0.00203	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-201A	0.0222	5/6/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-202A	0.0222	4/23/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Trans...	Alpha	Method
Arsenic (mg/L)	MW-203A	0.0222	5/6/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-204A	0.0222	4/24/2025	0.00383	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-208B	0.0222	4/25/2025	0.000921J	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-210B	0.0222	5/5/2025	0.00549	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-215A	0.0222	5/7/2025	0.000938J	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-214A	0.0222	4/23/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-200A	0.0222	4/30/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-205A	0.0222	4/24/2025	0.00232	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	**MW-211B**	**0.0222**	**4/28/2025**	**0.139**	**Yes**	**90**	**MW-38A,MW-39B,MW-34A**	**70**	**n/a**	**n/a**	**0.000...**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	MW-213A	0.0222	5/9/2025	0.000614J	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-310A	0.0222	4/30/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-312A	0.0222	4/30/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-216A	0.0222	5/7/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-217A	0.0222	5/7/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-218A	0.0222	5/7/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-219A	0.0222	5/9/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-220A	0.0222	5/9/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-18AR	0.0222	4/30/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-408	0.0222	5/5/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	MW-410	0.0222	5/8/2025	0.00053ND	No	90	MW-38A,MW-39B,MW-34A	70	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Barium (mg/L)	MW-1B	0.806	5/6/2025	0.553	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-5B	0.806	5/6/2025	0.198	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-7B1	0.806	5/6/2025	0.444	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-8B	0.806	4/25/2025	0.22	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-10B	0.806	4/25/2025	0.146	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-12B	0.806	5/7/2025	0.341	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-14B	0.806	4/23/2025	0.361	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-17A-00	0.806	4/23/2025	0.481	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-23A	0.806	5/8/2025	0.32	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-24A	0.806	5/7/2025	0.35	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-25A-00	0.806	5/8/2025	0.183	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-29A	0.806	5/5/2025	0.286	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-31B	0.806	5/7/2025	0.431	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-201A	0.806	5/6/2025	0.175	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-202A	0.806	4/23/2025	0.29	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-203A	0.806	5/6/2025	0.298	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-204A	0.806	4/24/2025	0.168	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-208B	0.806	4/25/2025	0.0622	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-210B	0.806	5/5/2025	0.113	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-215A	0.806	5/7/2025	0.136	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-214A	0.806	4/23/2025	0.25	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	**MW-200A**	**0.806**	**4/30/2025**	**0.91**	**Yes**	**92**	**MW-39B,MW-34A,MW-38A**	**0**	**n/a**	**n/a**	**0.000...**	**NP Inter (normality) ...**
Barium (mg/L)	MW-205A	0.806	4/24/2025	0.196	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	**MW-211B**	**0.806**	**4/28/2025**	**2.72**	**Yes**	**92**	**MW-39B,MW-34A,MW-38A**	**0**	**n/a**	**n/a**	**0.000...**	**NP Inter (normality) ...**
Barium (mg/L)	MW-213A	0.806	5/9/2025	0.0461	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-310A	0.806	4/30/2025	0.0995	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-312A	0.806	4/30/2025	0.157	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-216A	0.806	5/7/2025	0.0555	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-217A	0.806	5/7/2025	0.0927	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-218A	0.806	5/7/2025	0.24	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Trans...	Alpha	Method
Barium (mg/L)	MW-219A	0.806	5/9/2025	0.617	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-220A	0.806	5/9/2025	0.317	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	**MW-18AR**	**0.806**	**4/30/2025**	**0.852**	**Yes**	**92**	**MW-39B,MW-34A,MW-38A**	**0**	**n/a**	**n/a**	**0.000...**	**NP Inter (normality) ...**
Barium (mg/L)	MW-408	0.806	5/5/2025	0.176	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Barium (mg/L)	MW-410	0.806	5/8/2025	0.0862	No	92	MW-39B,MW-34A,MW-38A	0	n/a	n/a	0.000...	NP Inter (normality) ...
Beryllium (mg/L)	MW-1B	0.00107	5/6/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-5B	0.00107	5/6/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-7B1	0.00107	5/6/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-8B	0.00107	4/25/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-10B	0.00107	4/25/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-12B	0.00107	5/2/2022	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-14B	0.00107	4/23/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-17A-00	0.00107	4/23/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-23A	0.00107	5/8/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-24A	0.00107	5/7/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-25A-00	0.00107	5/8/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-29A	0.00107	5/5/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-31B	0.00107	5/7/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-201A	0.00107	5/6/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-202A	0.00107	4/23/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-203A	0.00107	5/6/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-204A	0.00107	4/24/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-208B	0.00107	4/25/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-210B	0.00107	5/5/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-215A	0.00107	5/7/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-214A	0.00107	4/23/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-200A	0.00107	10/20/2021	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-205A	0.00107	10/20/2021	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-211B	0.00107	4/28/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-213A	0.00107	10/20/2021	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-310A	0.00107	4/30/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-312A	0.00107	4/30/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-216A	0.00107	5/7/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-217A	0.00107	5/7/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-218A	0.00107	5/7/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-219A	0.00107	5/9/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-220A	0.00107	5/9/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-18AR	0.00107	10/20/2021	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-408	0.00107	5/5/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Beryllium (mg/L)	MW-410	0.00107	5/8/2025	0.00033ND	No	91	MW-38A,MW-34A,MW-39B	96.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-1B	0.00173	5/6/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-5B	0.00173	5/6/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-7B1	0.00173	5/6/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-8B	0.00173	4/25/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-10B	0.00173	4/25/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-12B	0.00173	5/2/2022	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-14B	0.00173	4/23/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-17A-00	0.00173	4/23/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-23A	0.00173	5/8/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-24A	0.00173	5/7/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Trans...	Alpha	Method
Cadmium (mg/L)	MW-25A-00	0.00173	5/8/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-29A	0.00173	5/5/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-31B	0.00173	5/7/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-201A	0.00173	5/6/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-202A	0.00173	4/23/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-203A	0.00173	5/6/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-204A	0.00173	4/24/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-208B	0.00173	4/25/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-210B	0.00173	5/5/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-215A	0.00173	5/7/2025	0.000101J	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-214A	0.00173	4/23/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-200A	0.00173	10/20/2021	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-205A	0.00173	10/20/2021	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-211B	0.00173	4/28/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-213A	0.00173	10/20/2021	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-310A	0.00173	4/30/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-312A	0.00173	4/30/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-216A	0.00173	5/7/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-217A	0.00173	5/7/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-218A	0.00173	5/7/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-219A	0.00173	5/9/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-220A	0.00173	5/9/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-18AR	0.00173	10/20/2021	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-408	0.00173	5/5/2025	0.000131J	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cadmium (mg/L)	MW-410	0.00173	5/8/2025	0.0001ND	No	86	MW-39B,MW-34A,MW-38A	84.88	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-1B	0.0477	5/6/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-5B	0.0477	5/6/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-7B1	0.0477	5/6/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-8B	0.0477	4/25/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-10B	0.0477	4/25/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-12B	0.0477	5/2/2022	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-14B	0.0477	4/23/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-17A-00	0.0477	4/23/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-23A	0.0477	5/8/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-24A	0.0477	5/7/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-25A-00	0.0477	5/8/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-29A	0.0477	5/5/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-31B	0.0477	5/7/2025	0.00419J	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-201A	0.0477	5/6/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-202A	0.0477	4/23/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-203A	0.0477	5/6/2025	0.00307J	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-204A	0.0477	4/24/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-208B	0.0477	4/25/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-210B	0.0477	5/5/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-215A	0.0477	5/7/2025	0.00222J	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-214A	0.0477	4/23/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-200A	0.0477	10/20/2021	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-205A	0.0477	10/20/2021	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-211B	0.0477	4/28/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-213A	0.0477	10/20/2021	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Trans...	Alpha	Method
Chromium (mg/L)	MW-310A	0.0477	4/30/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-312A	0.0477	4/30/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-216A	0.0477	5/7/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-217A	0.0477	5/7/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-218A	0.0477	5/7/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-219A	0.0477	5/9/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-220A	0.0477	5/9/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-18AR	0.0477	10/20/2021	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-408	0.0477	5/5/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Chromium (mg/L)	MW-410	0.0477	5/8/2025	0.0018ND	No	82	MW-34A,MW-38A,MW-39B	71.95	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-1B	0.00939	5/6/2025	0.000353J	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-5B	0.00939	5/6/2025	0.0012	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-7B1	0.00939	5/6/2025	0.000186J	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-8B	0.00939	4/25/2025	0.000832	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-10B	0.00939	4/25/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-12B	0.00939	5/7/2025	0.000659	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-14B	0.00939	4/23/2025	0.00144	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-17A-00	0.00939	4/23/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-23A	0.00939	5/8/2025	0.000423J	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-24A	0.00939	5/7/2025	0.00394	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-25A-00	0.00939	5/8/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-29A	0.00939	5/5/2025	0.000298J	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-31B	0.00939	5/7/2025	0.00115	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-201A	0.00939	5/6/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-202A	0.00939	4/23/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-203A	0.00939	5/6/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-204A	0.00939	4/24/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-208B	0.00939	4/25/2025	0.000268J	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-210B	0.00939	5/5/2025	0.0029	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-215A	0.00939	5/7/2025	0.000668	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-214A	0.00939	4/23/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-200A	0.00939	4/30/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-205A	0.00939	4/24/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	**MW-211B**	**0.00939**	**4/28/2025**	**0.223**	**Yes**	**92**	**MW-34A,MW-38A,MW-39B**	**57.61**	**n/a**	**n/a**	**0.000...**	**NP Inter (NDs) 1 of 2**
Cobalt (mg/L)	MW-213A	0.00939	5/9/2025	0.000417J	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-310A	0.00939	4/30/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-312A	0.00939	4/30/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-216A	0.00939	5/7/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-217A	0.00939	5/7/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-218A	0.00939	5/7/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-219A	0.00939	5/9/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-220A	0.00939	5/9/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-18AR	0.00939	4/30/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-408	0.00939	5/5/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cobalt (mg/L)	MW-410	0.00939	5/8/2025	0.00017ND	No	92	MW-34A,MW-38A,MW-39B	57.61	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-1B	0.00534	5/6/2025	0.00357J	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-5B	0.00534	5/6/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-7B1	0.00534	5/6/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-8B	0.00534	4/25/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-10B	0.00534	4/25/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Trans...	Alpha	Method
Copper (mg/L)	MW-12B	0.00534	5/7/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-14B	0.00534	4/23/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-17A-00	0.00534	4/23/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-23A	0.00534	5/8/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-24A	0.00534	5/7/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-25A-00	0.00534	5/8/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-29A	0.00534	5/5/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-31B	0.00534	5/7/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-201A	0.00534	5/6/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-202A	0.00534	4/23/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-203A	0.00534	5/6/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-204A	0.00534	4/24/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-208B	0.00534	4/25/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-210B	0.00534	5/5/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-215A	0.00534	5/7/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-214A	0.00534	4/23/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-200A	0.00534	4/30/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-205A	0.00534	4/24/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-211B	0.00534	4/28/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-213A	0.00534	5/9/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-310A	0.00534	4/30/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-312A	0.00534	4/30/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-216A	0.00534	5/7/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-217A	0.00534	5/7/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-218A	0.00534	5/7/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-219A	0.00534	5/9/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-220A	0.00534	5/9/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-18AR	0.00534	4/30/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-408	0.00534	5/5/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Copper (mg/L)	MW-410	0.00534	5/8/2025	0.0032ND	No	84	MW-38A,MW-39B,MW-34A	83.33	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-1B	0.01	5/6/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-5B	0.01	5/6/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-7B1	0.01	5/6/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-8B	0.01	4/25/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-10B	0.01	4/25/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-12B	0.01	5/2/2022	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-14B	0.01	4/23/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-17A-00	0.01	4/23/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-23A	0.01	5/8/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-24A	0.01	5/7/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-25A-00	0.01	5/8/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-29A	0.01	5/5/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-31B	0.01	5/7/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-201A	0.01	5/6/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-202A	0.01	4/23/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-203A	0.01	5/6/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-204A	0.01	4/24/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-208B	0.01	4/25/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-210B	0.01	5/5/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-215A	0.01	5/7/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Trans...	Alpha	Method
Cyanide (mg/L)	MW-214A	0.01	4/23/2025	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-200A	0.01	10/20/2021	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-205A	0.01	10/20/2021	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-211B	0.01	10/20/2021	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-213A	0.01	10/20/2021	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-310A	0.01	3/30/2013	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-312A	0.01	3/30/2013	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-216A	0.01	5/1/2023	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-217A	0.01	5/1/2023	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-218A	0.01	5/1/2023	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-219A	0.01	5/1/2023	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-220A	0.01	5/1/2023	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Cyanide (mg/L)	MW-18AR	0.01	10/20/2021	0.01ND	No	7	MW-34A	100	n/a	n/a	0.008819	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-1B	0.0128	5/6/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-5B	0.0128	5/6/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-7B1	0.0128	5/6/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-8B	0.0128	4/25/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-10B	0.0128	4/25/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-12B	0.0128	5/7/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-14B	0.0128	4/23/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-17A-00	0.0128	4/23/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-23A	0.0128	5/8/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-24A	0.0128	5/7/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-25A-00	0.0128	5/8/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-29A	0.0128	5/5/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-31B	0.0128	5/7/2025	0.00163	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-201A	0.0128	5/6/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-202A	0.0128	4/23/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-203A	0.0128	5/6/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-204A	0.0128	4/24/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-208B	0.0128	4/25/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-210B	0.0128	5/5/2025	0.000333J	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-215A	0.0128	5/7/2025	0.000643	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-214A	0.0128	4/23/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-200A	0.0128	4/30/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-205A	0.0128	4/24/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-211B	0.0128	4/28/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-213A	0.0128	5/9/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-310A	0.0128	4/30/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-312A	0.0128	4/30/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-216A	0.0128	5/7/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-217A	0.0128	5/7/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-218A	0.0128	5/7/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-219A	0.0128	5/9/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-220A	0.0128	5/9/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-18AR	0.0128	4/30/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-408	0.0128	5/5/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Lead (mg/L)	MW-410	0.0128	5/8/2025	0.00033ND	No	90	MW-34A,MW-38A,MW-39B	84.44	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-1B	0.105	5/6/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-5B	0.105	5/6/2025	0.00615	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Trans...	Alpha	Method
Nickel (mg/L)	MW-7B1	0.105	5/6/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-8B	0.105	4/25/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-10B	0.105	4/25/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-12B	0.105	5/7/2025	0.00461J	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-14B	0.105	4/23/2025	0.00546	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-17A-00	0.105	4/23/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-23A	0.105	5/8/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-24A	0.105	5/7/2025	0.00546	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-25A-00	0.105	5/8/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-29A	0.105	5/5/2025	0.00753	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-31B	0.105	5/7/2025	0.00338J	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-201A	0.105	5/6/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-202A	0.105	4/23/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-203A	0.105	5/6/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-204A	0.105	4/24/2025	0.00257J	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-208B	0.105	4/25/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-210B	0.105	5/5/2025	0.0115	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-215A	0.105	5/7/2025	0.00258J	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-214A	0.105	4/23/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-200A	0.105	4/30/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-205A	0.105	4/24/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	**MW-211B**	**0.105**	**4/28/2025**	**0.195**	**Yes**	**89**	**MW-38A,MW-34A,MW-39B**	**66.29**	**n/a**	**n/a**	**0.000...**	**NP Inter (NDs) 1 of 2**
Nickel (mg/L)	MW-213A	0.105	5/9/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-310A	0.105	4/30/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-312A	0.105	4/30/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-216A	0.105	5/7/2025	0.00429J	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-217A	0.105	5/7/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-218A	0.105	5/7/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-219A	0.105	5/9/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-220A	0.105	5/9/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-18AR	0.105	4/30/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-408	0.105	5/5/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Nickel (mg/L)	MW-410	0.105	5/8/2025	0.0023ND	No	89	MW-38A,MW-34A,MW-39B	66.29	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-1B	0.00409	5/6/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-5B	0.00409	5/6/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-7B1	0.00409	5/6/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-8B	0.00409	4/25/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-10B	0.00409	4/25/2025	0.0017J	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-12B	0.00409	5/2/2022	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-14B	0.00409	4/23/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-17A-00	0.00409	4/23/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-23A	0.00409	5/8/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-24A	0.00409	5/7/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-25A-00	0.00409	5/8/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-29A	0.00409	5/5/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-31B	0.00409	5/7/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-201A	0.00409	5/6/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-202A	0.00409	4/23/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-203A	0.00409	5/6/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-204A	0.00409	4/24/2025	0.00293J	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Trans...	Alpha	Method
Selenium (mg/L)	MW-208B	0.00409	4/25/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-210B	0.00409	5/5/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-215A	0.00409	5/7/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-214A	0.00409	4/23/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-200A	0.00409	10/20/2021	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-205A	0.00409	10/20/2021	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-211B	0.00409	4/28/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-213A	0.00409	10/20/2021	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-310A	0.00409	4/30/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-312A	0.00409	4/30/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-216A	0.00409	5/7/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-217A	0.00409	5/7/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-218A	0.00409	5/7/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-219A	0.00409	5/9/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-220A	0.00409	5/9/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-18AR	0.00409	10/20/2021	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-408	0.00409	5/5/2025	0.00229J	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Selenium (mg/L)	MW-410	0.00409	5/8/2025	0.0014ND	No	86	MW-38A,MW-39B,MW-34A	90.7	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-1B	0.0005	5/6/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-5B	0.0005	5/6/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-7B1	0.0005	5/6/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-8B	0.0005	4/25/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-10B	0.0005	4/25/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-12B	0.0005	5/2/2022	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-14B	0.0005	4/23/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-17A-00	0.0005	4/23/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-23A	0.0005	5/8/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-24A	0.0005	5/7/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-25A-00	0.0005	5/8/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-29A	0.0005	5/5/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-31B	0.0005	5/7/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-201A	0.0005	5/6/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-202A	0.0005	4/23/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-203A	0.0005	5/6/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-204A	0.0005	4/24/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-208B	0.0005	4/25/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-210B	0.0005	5/5/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-215A	0.0005	5/7/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-214A	0.0005	4/23/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-200A	0.0005	10/20/2021	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-205A	0.0005	10/20/2021	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-211B	0.0005	4/28/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-213A	0.0005	10/20/2021	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-310A	0.0005	4/30/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-312A	0.0005	4/30/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-216A	0.0005	5/7/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-217A	0.0005	5/7/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-218A	0.0005	5/7/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-219A	0.0005	5/9/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-220A	0.0005	5/9/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Trans...	Alpha	Method
Silver (mg/L)	MW-18AR	0.0005	10/20/2021	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-408	0.0005	5/5/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Silver (mg/L)	MW-410	0.0005	5/8/2025	0.0005ND	No	85	MW-34A,MW-38A,MW-39B	97.65	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-1B	0.1	5/6/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-5B	0.1	5/6/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-7B1	0.1	5/6/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-8B	0.1	4/25/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-10B	0.1	4/25/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-12B	0.1	5/2/2022	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-14B	0.1	4/23/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-17A-00	0.1	4/23/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-23A	0.1	5/8/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-24A	0.1	5/7/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-25A-00	0.1	5/8/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-29A	0.1	5/5/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-31B	0.1	5/7/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-201A	0.1	5/6/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-202A	0.1	4/23/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-203A	0.1	5/6/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-204A	0.1	4/24/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-208B	0.1	4/25/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-210B	0.1	5/5/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-215A	0.1	5/7/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-214A	0.1	4/23/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-200A	0.1	10/20/2021	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-205A	0.1	10/20/2021	0.037J	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-211B	0.1	10/20/2021	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-213A	0.1	10/20/2021	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-310A	0.1	3/30/2013	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-312A	0.1	3/30/2013	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-216A	0.1	4/29/2024	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-217A	0.1	5/1/2023	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-218A	0.1	4/29/2024	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-219A	0.1	4/29/2024	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-220A	0.1	5/1/2023	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Sulfide (mg/L)	MW-18AR	0.1	4/30/2025	0.1ND	No	24	MW-34A,MW-38A,MW-39B	100	n/a	n/a	0.00218	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-1B	0.00057	5/6/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-5B	0.00057	5/6/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-7B1	0.00057	5/6/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-8B	0.00057	4/25/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-10B	0.00057	4/25/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-12B	0.00057	5/2/2022	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-14B	0.00057	4/23/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-17A-00	0.00057	4/23/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-23A	0.00057	5/8/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-24A	0.00057	5/7/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-25A-00	0.00057	5/8/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-29A	0.00057	5/5/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-31B	0.00057	5/7/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-201A	0.00057	5/6/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Trans...	Alpha	Method
Thallium (mg/L)	MW-202A	0.00057	4/23/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-203A	0.00057	5/6/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-204A	0.00057	4/24/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-208B	0.00057	4/25/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-210B	0.00057	5/5/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-215A	0.00057	5/7/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-214A	0.00057	4/23/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-200A	0.00057	10/20/2021	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-205A	0.00057	10/20/2021	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-211B	0.00057	4/28/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-213A	0.00057	10/20/2021	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-310A	0.00057	4/30/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-312A	0.00057	4/30/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-216A	0.00057	5/7/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-217A	0.00057	5/7/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-218A	0.00057	5/7/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-219A	0.00057	5/9/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-220A	0.00057	5/9/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-18AR	0.00057	10/20/2021	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-408	0.00057	5/5/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Thallium (mg/L)	MW-410	0.00057	5/8/2025	0.00057ND	No	85	MW-38A,MW-34A,MW-39B	98.82	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-1B	0.136	5/6/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-5B	0.136	5/6/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-7B1	0.136	5/6/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-8B	0.136	4/25/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-10B	0.136	4/25/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-12B	0.136	5/2/2022	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-14B	0.136	4/23/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-17A-00	0.136	4/23/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-23A	0.136	5/8/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-24A	0.136	5/7/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-25A-00	0.136	5/8/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-29A	0.136	5/5/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-31B	0.136	5/7/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-201A	0.136	5/6/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-202A	0.136	4/23/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-203A	0.136	5/6/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-204A	0.136	4/24/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-208B	0.136	4/25/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-210B	0.136	5/5/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-215A	0.136	5/7/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-214A	0.136	4/23/2025	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-200A	0.136	10/20/2021	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-205A	0.136	10/20/2021	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-211B	0.136	10/20/2021	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-213A	0.136	10/20/2021	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-310A	0.136	3/30/2013	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-312A	0.136	3/30/2013	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-216A	0.136	5/1/2023	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-217A	0.136	5/1/2023	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Trans...	Alpha	Method
Tin (mg/L)	MW-218A	0.136	5/1/2023	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-219A	0.136	5/1/2023	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-220A	0.136	5/1/2023	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Tin (mg/L)	MW-18AR	0.136	10/20/2021	0.005ND	No	14	MW-34A,MW-38A,MW-39B	92.86	n/a	n/a	0.004422	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-1B	0.00554	5/6/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-5B	0.00554	5/6/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-7B1	0.00554	5/6/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-8B	0.00554	4/25/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-10B	0.00554	4/25/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-12B	0.00554	5/2/2022	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-14B	0.00554	4/23/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-17A-00	0.00554	4/23/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-23A	0.00554	5/8/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-24A	0.00554	5/7/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-25A-00	0.00554	5/8/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-29A	0.00554	5/5/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-31B	0.00554	5/7/2025	0.00545	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-201A	0.00554	5/6/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-202A	0.00554	4/23/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-203A	0.00554	5/6/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-204A	0.00554	4/24/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-208B	0.00554	4/25/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-210B	0.00554	5/5/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-215A	0.00554	5/7/2025	0.00262J	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-214A	0.00554	4/23/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-200A	0.00554	10/20/2021	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-205A	0.00554	10/20/2021	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-211B	0.00554	4/28/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-213A	0.00554	10/20/2021	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-310A	0.00554	4/30/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-312A	0.00554	4/30/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-216A	0.00554	5/7/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-217A	0.00554	5/7/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-218A	0.00554	5/7/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-219A	0.00554	5/9/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-220A	0.00554	5/9/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-18AR	0.00554	10/20/2021	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-408	0.00554	5/5/2025	0.00239J	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	MW-410	0.00554	5/8/2025	0.0017ND	No	84	MW-38A,MW-34A,MW-39B	63.1	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-1B	0.0684	5/6/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-5B	0.0684	5/6/2025	0.0153J	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-7B1	0.0684	5/6/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-8B	0.0684	4/25/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-10B	0.0684	4/25/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-12B	0.0684	5/2/2022	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-14B	0.0684	4/23/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-17A-00	0.0684	4/23/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-23A	0.0684	5/8/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-24A	0.0684	5/7/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-25A-00	0.0684	5/8/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2

Prediction Limit

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/13/2025, 9:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	Bg Wells	%NDs	ND Adj.	Trans...	Alpha	Method
Zinc (mg/L)	MW-29A	0.0684	5/5/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-31B	0.0684	5/7/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-201A	0.0684	5/6/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-202A	0.0684	4/23/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-203A	0.0684	5/6/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-204A	0.0684	4/24/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-208B	0.0684	4/25/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-210B	0.0684	5/5/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-215A	0.0684	5/7/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-214A	0.0684	4/23/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-200A	0.0684	10/20/2021	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-205A	0.0684	10/20/2021	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-211B	0.0684	4/28/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-213A	0.0684	10/20/2021	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-310A	0.0684	4/30/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-312A	0.0684	4/30/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-216A	0.0684	5/7/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-217A	0.0684	5/7/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-218A	0.0684	5/7/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-219A	0.0684	5/9/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-220A	0.0684	5/9/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-18AR	0.0684	10/20/2021	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-408	0.0684	5/5/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2
Zinc (mg/L)	MW-410	0.0684	5/8/2025	0.013ND	No	89	MW-34A,MW-38A,MW-39B	88.76	n/a	n/a	0.000...	NP Inter (NDs) 1 of 2

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Groundwater Monitoring Wells –

DQR

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Data Screening

UG 'Double Quantification Rule' results for 42 constituents in 38 wells on 17 dates:

Dichlorodifluoromethane, MW-18AR, 10/9/2024: 5.28 ug/L, 4/30/2025: 4.01 ug/L
Tetrachloroethene, MW-18AR, 10/9/2024: 3.95 ug/L, 4/30/2025: 4.22 ug/L

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Groundwater Monitoring Wells –

Confidence Interval Analysis

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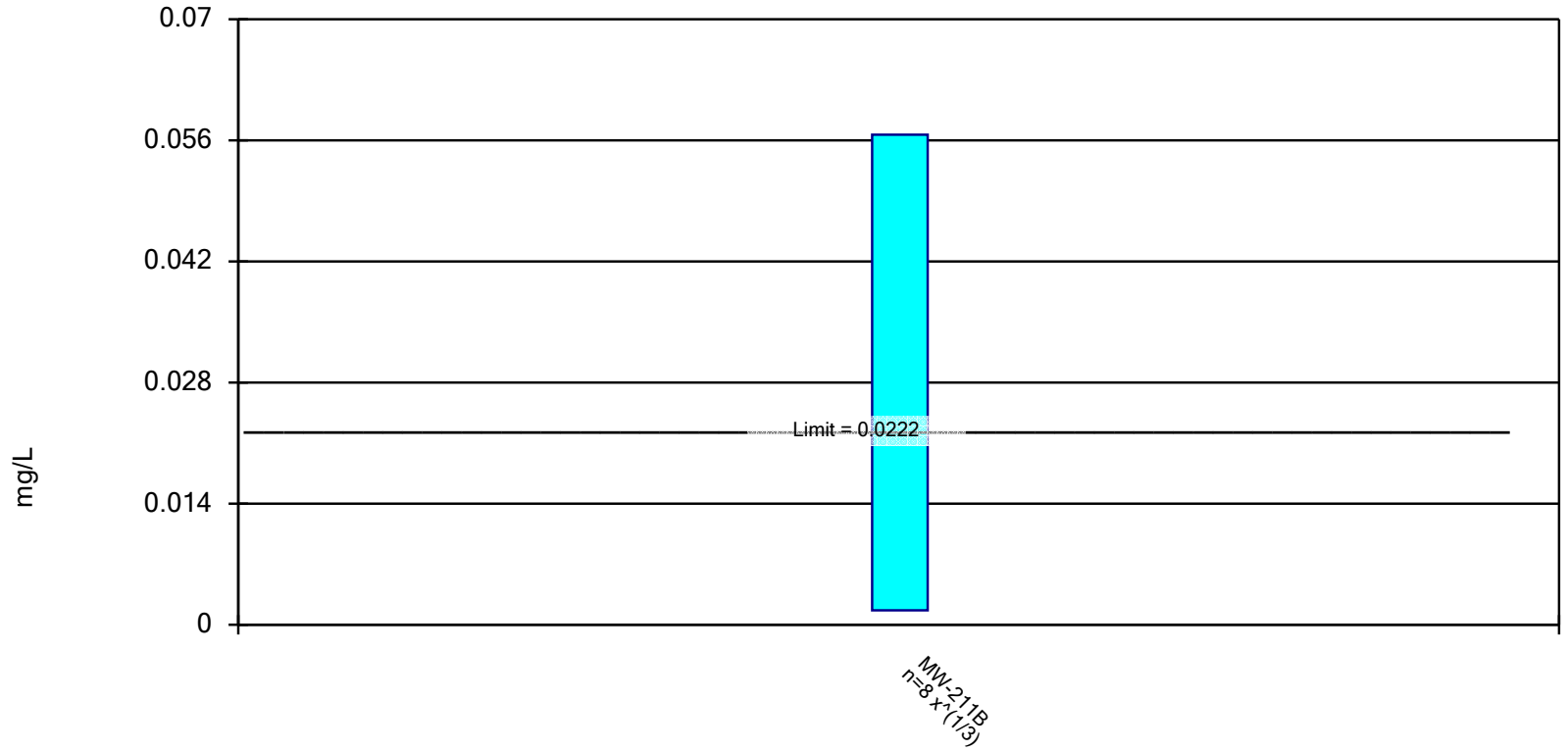
Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 7/14/2025 2:32 PM View: 07_MW_CI

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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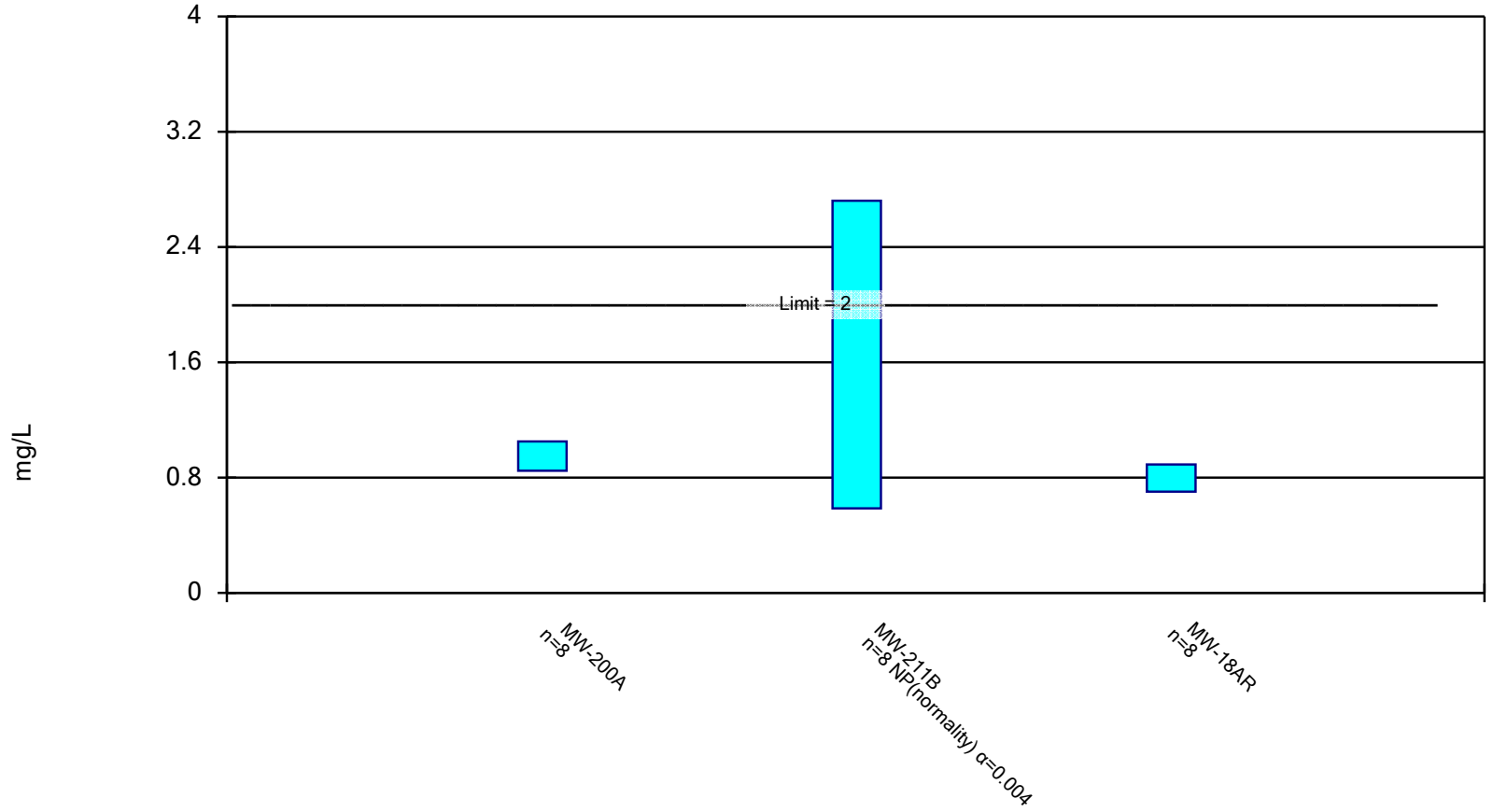
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 7/14/2025 2:32 PM View: 07_MW_CI

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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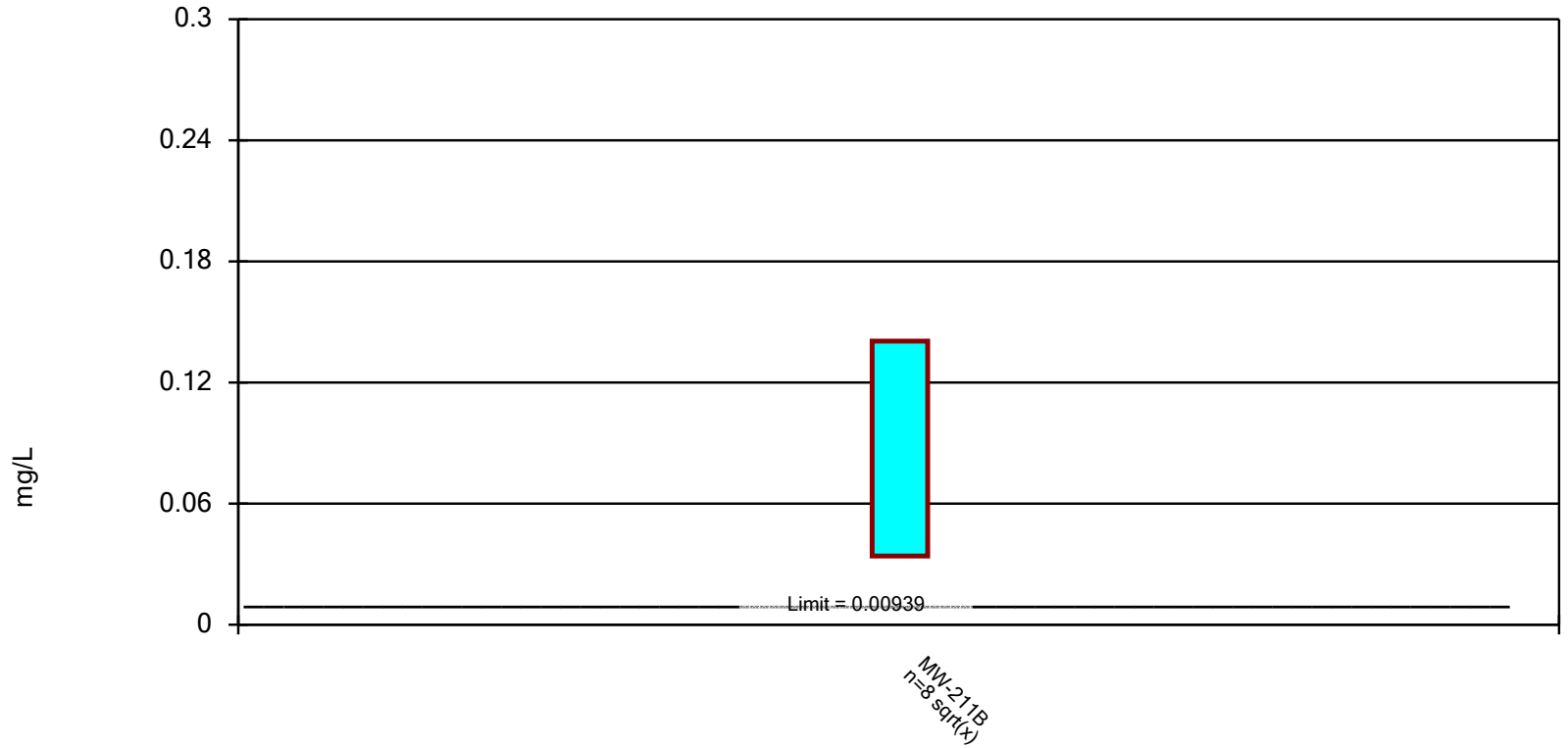
Parametric Confidence Interval

Compliance limit is exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 7/14/2025 2:32 PM View: 07_MW_CI

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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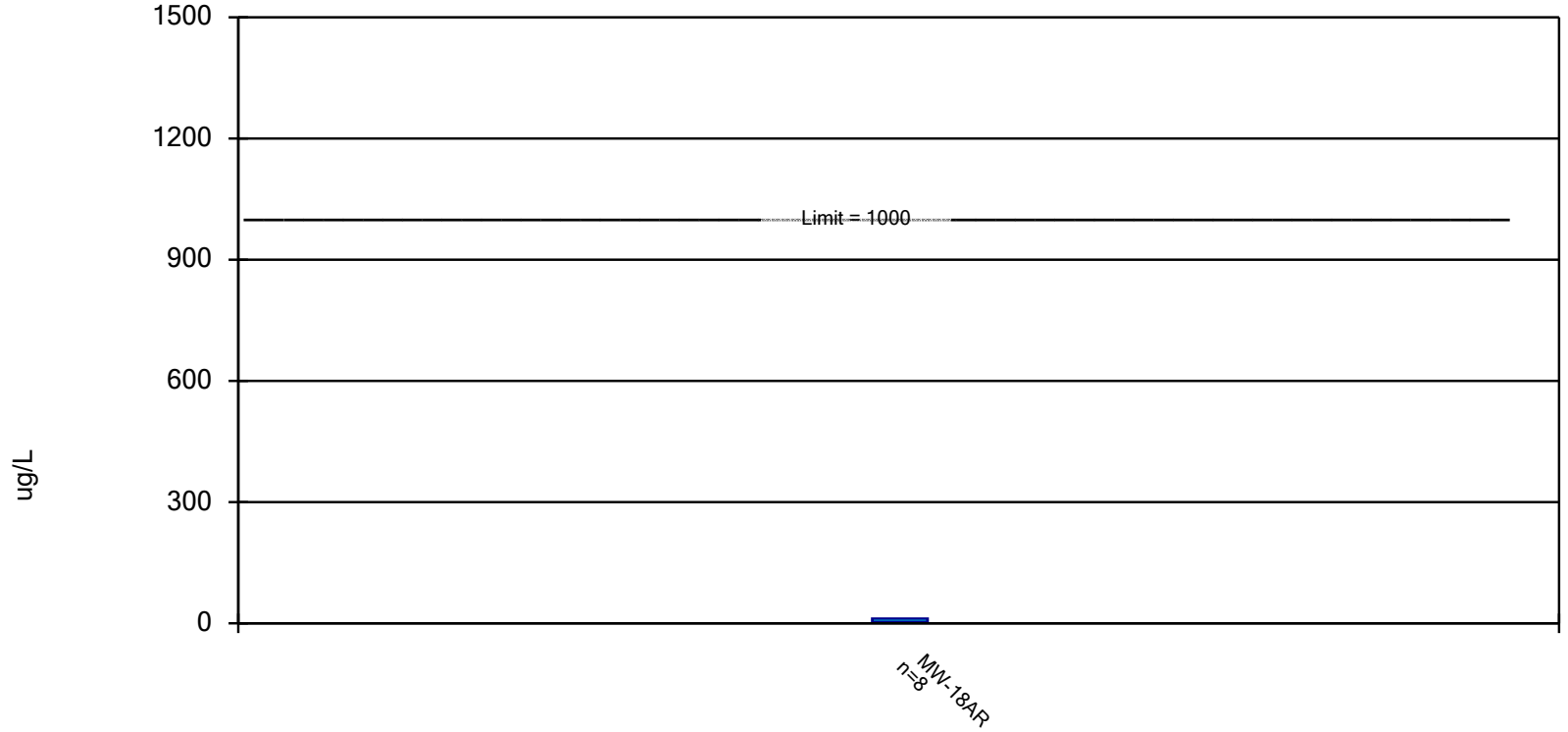
Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Dichlorodifluoromethane Analysis Run 7/14/2025 2:32 PM View: 07_MW_CI

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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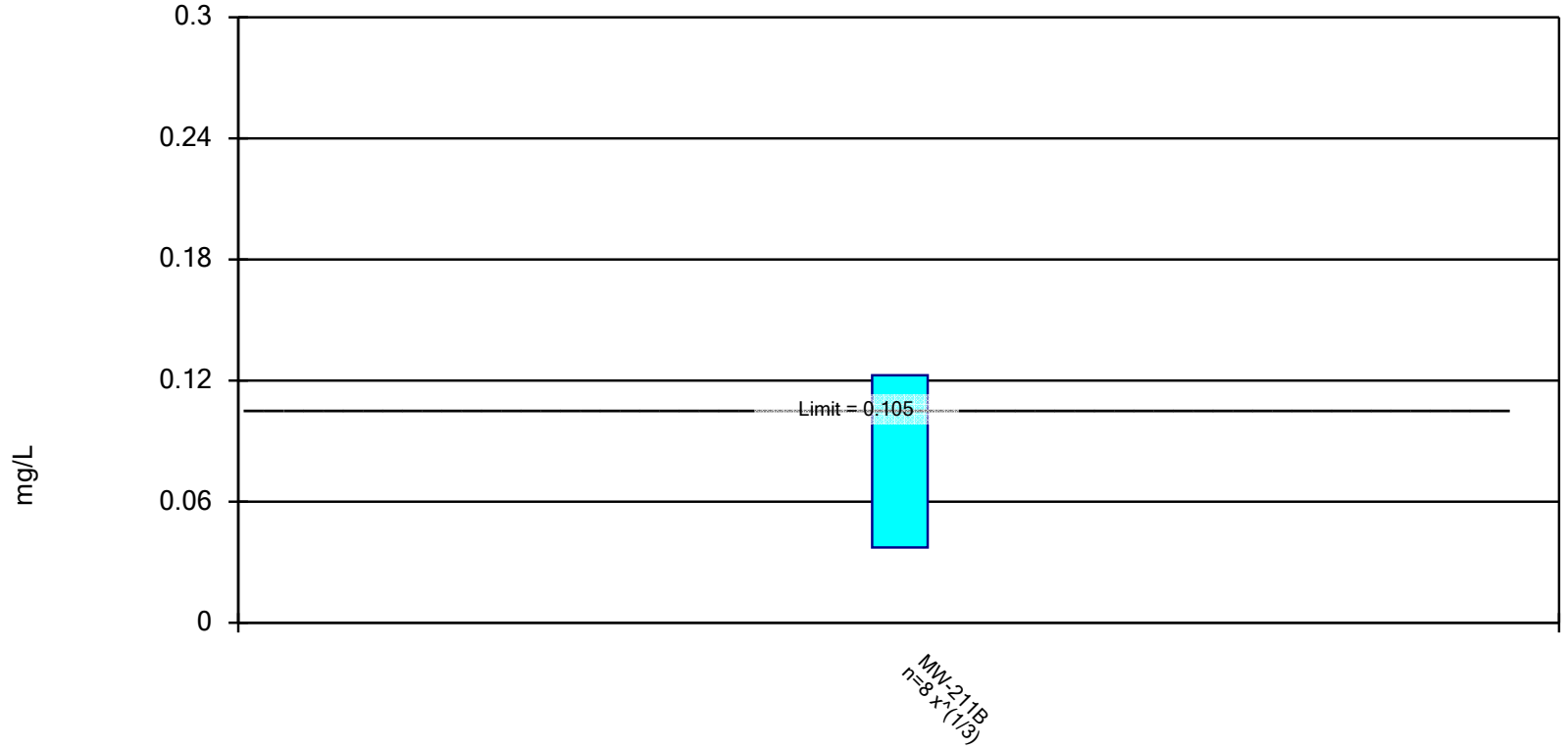
Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

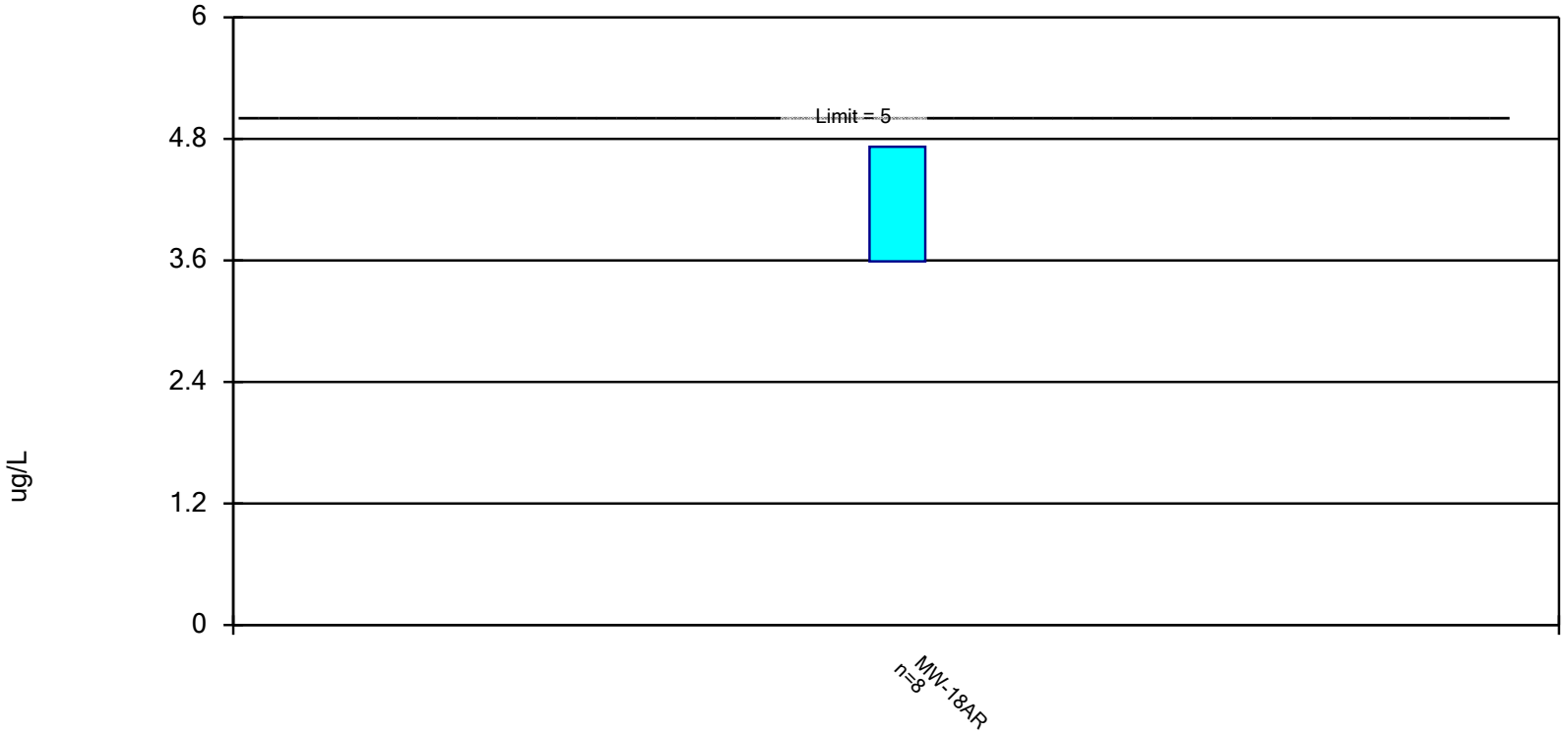


Constituent: Nickel Analysis Run 7/14/2025 2:32 PM View: 07_MW_CI

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Tetrachloroethene Analysis Run 7/14/2025 2:32 PM View: 07_MW_CI

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Confidence Interval

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/14/2025, 2:32 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-211B	0.05664	0.001681	0.0222	No	8	0.02815	0.04576	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	MW-200A	1.051	0.8482	2	No	8	0.9495	0.09553	0	None	No	0.01	Param.
Barium (mg/L)	MW-211B	2.72	0.587	2	No	8	1.026	0.6995	0	None	No	0.004	NP (normality)
Barium (mg/L)	MW-18AR	0.8921	0.7031	2	No	8	0.7976	0.08914	0	None	No	0.01	Param.
Cobalt (mg/L)	**MW-211B**	**0.1406**	**0.03401**	**0.00939**	**Yes**	**8**	**0.08528**	**0.06011**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Dichlorodifluoromethane (ug/L)	MW-18AR	11.86	4.175	1000	No	8	8.018	3.626	0	None	No	0.01	Param.
Nickel (mg/L)	MW-211B	0.1227	0.03726	0.105	No	8	0.07858	0.05019	0	None	x^(1/3)	0.01	Param.
Tetrachloroethene (ug/L)	MW-18AR	4.723	3.59	5	No	8	4.156	0.5343	0	None	No	0.01	Param.

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Statistical Analysis:

Source Characterization Monitoring Wells

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Source Characterization Monitoring Wells – Trends

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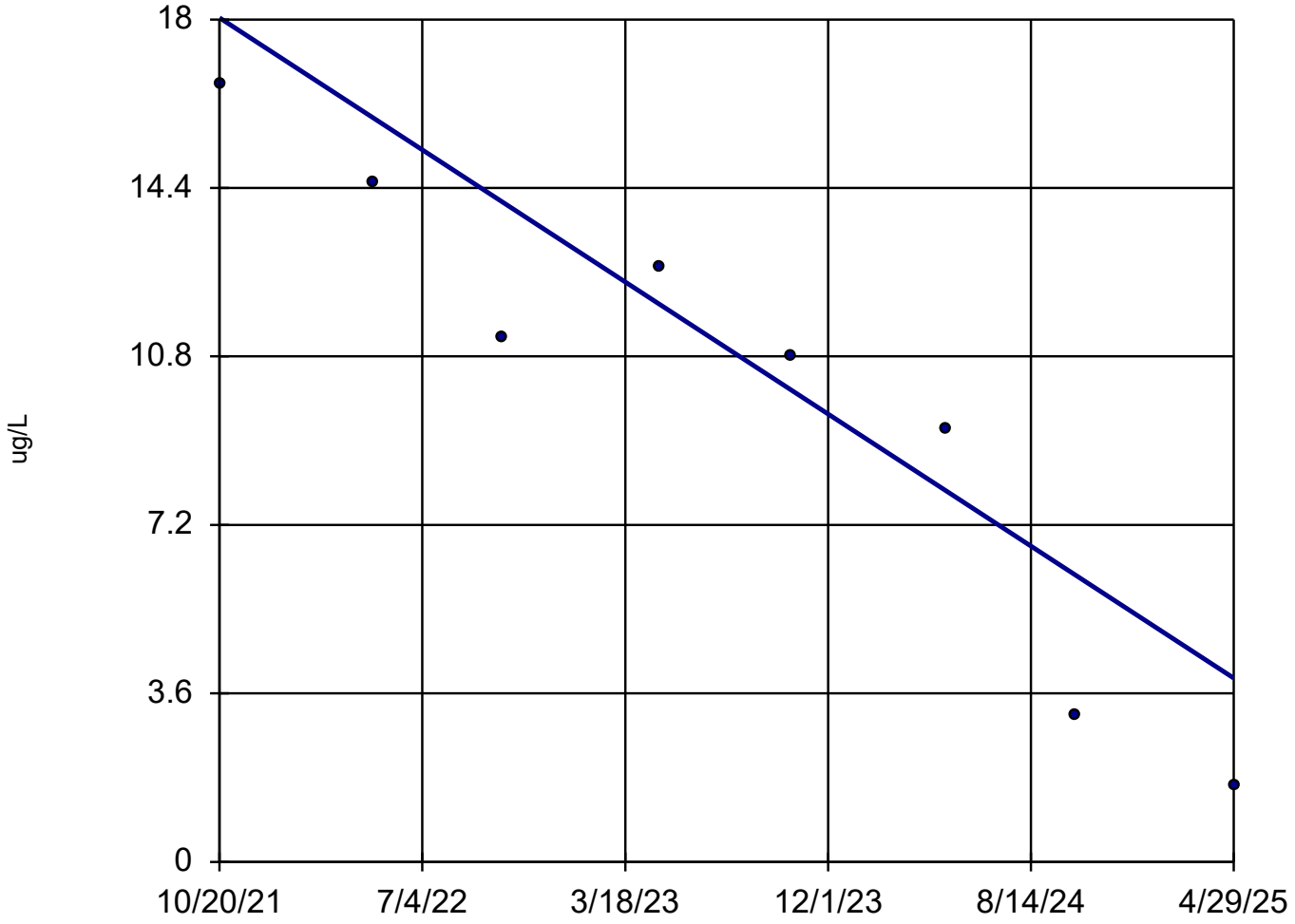
Sen's Slope Estimator

MW-206A



n = 8

Slope = -4.001 units per year.

Mann-Kendall statistic = -26
critical = -20

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: 1,1-Dichloroethane Analysis Run 7/20/2025 4:10 AM View: 08_MW_Corrective Action Trend

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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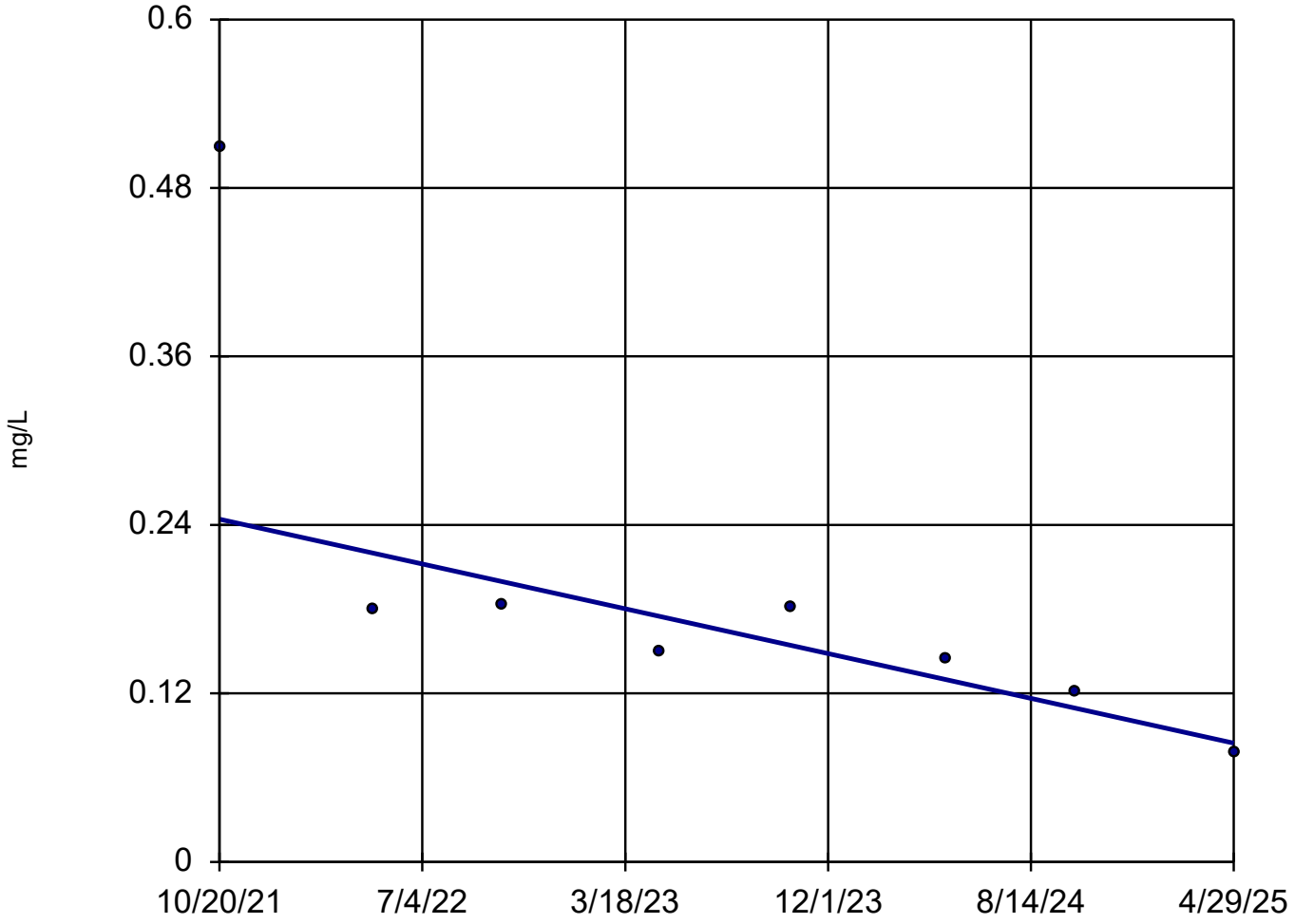
Sen's Slope Estimator

MW-206A



n = 8

Slope = -0.04525 units per year.

Mann-Kendall statistic = -22
critical = -20

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Analysis Run 7/20/2025 4:11 AM View: 08_MW_Corrective Action Trend Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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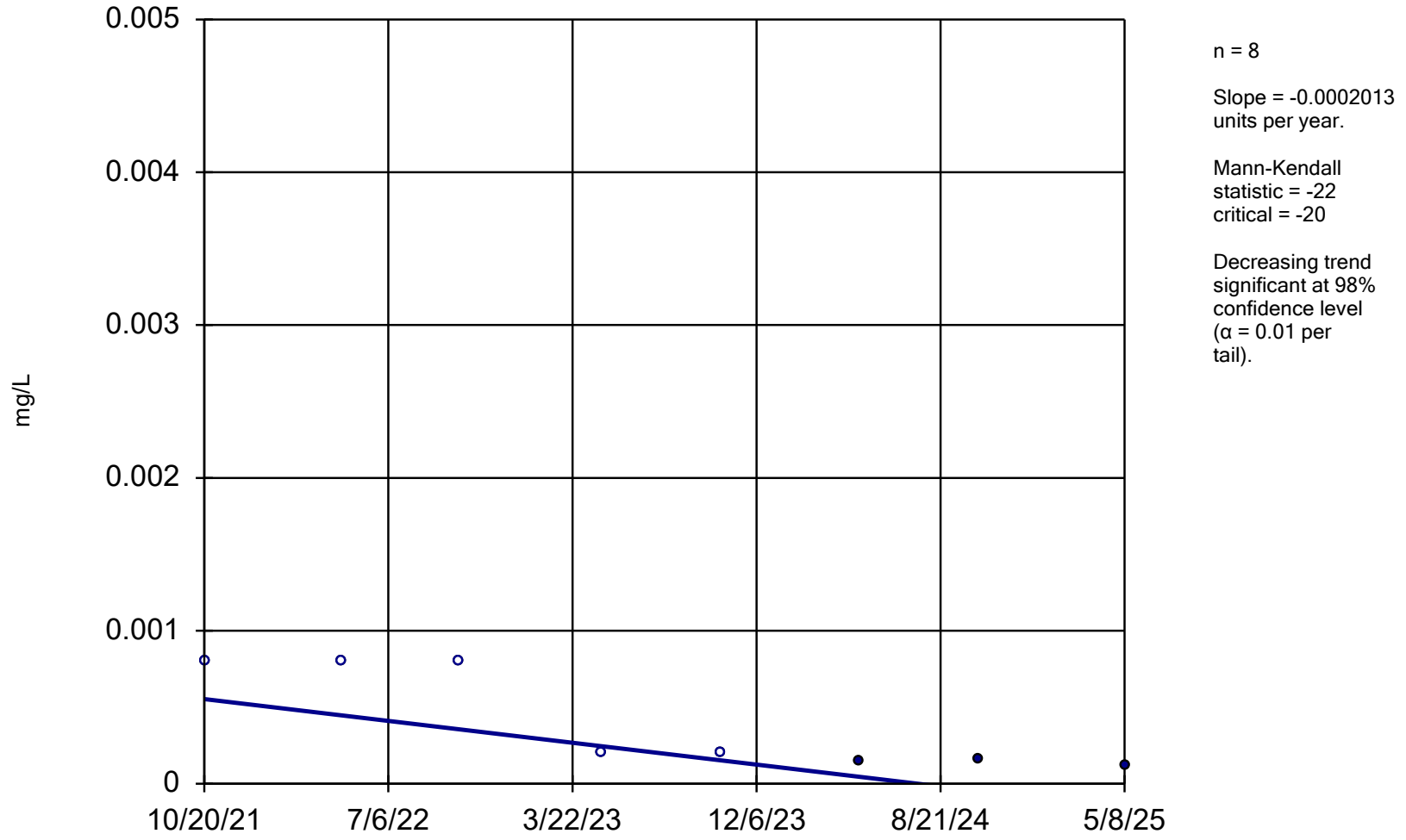
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2A-97



n = 8

Slope = -0.0002013 units per year.

Mann-Kendall statistic = -22
critical = -20

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 7/20/2025 4:11 AM View: 08_MW_Corrective Action Trend Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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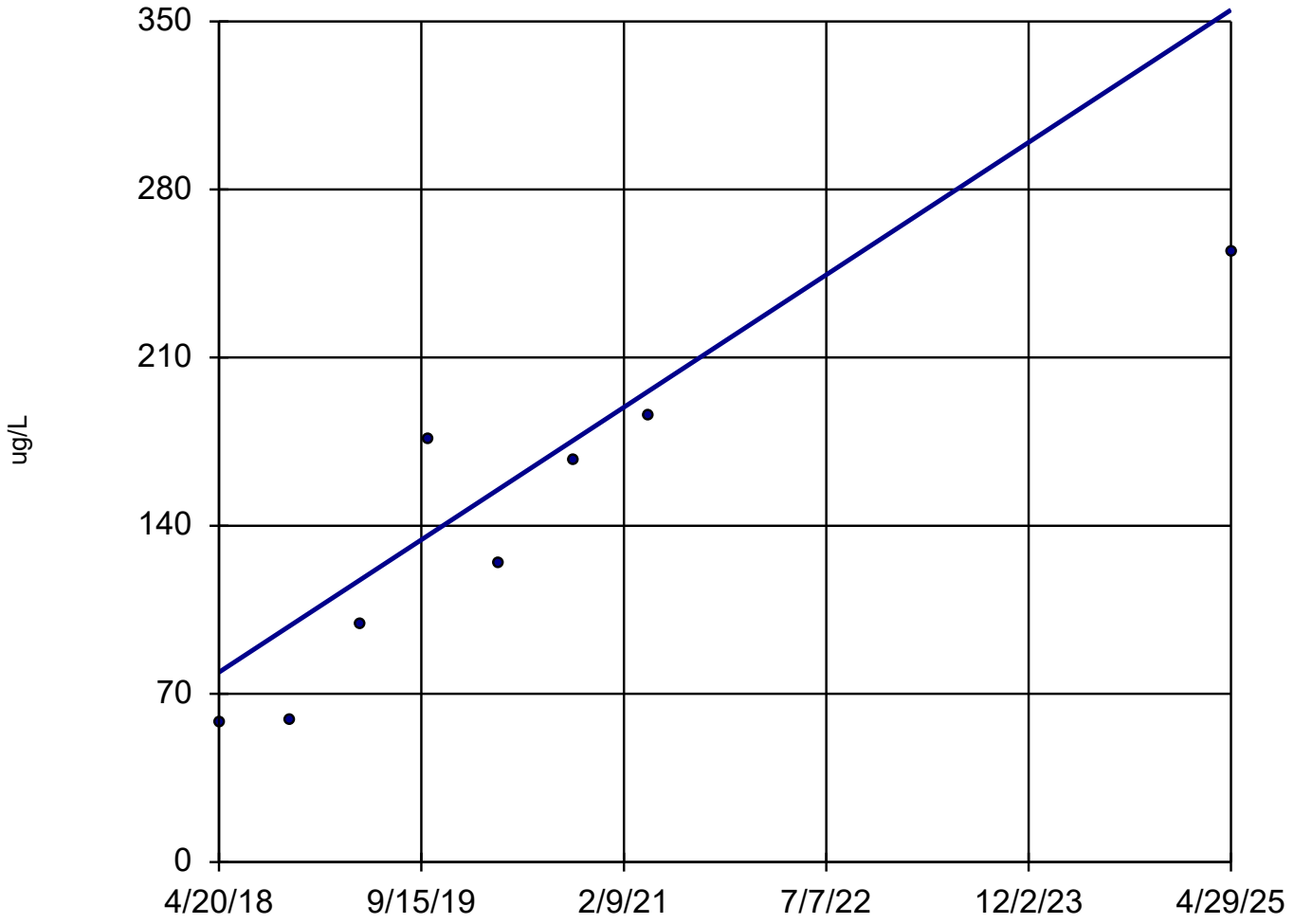
Sen's Slope Estimator

MW-18A-07



n = 8

Slope = 39.22 units per year.

Mann-Kendall statistic = 24
critical = 20

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: cis-1,2-Dichloroethene Analysis Run 7/20/2025 4:11 AM View: 08_MW_Corrective Action Tre

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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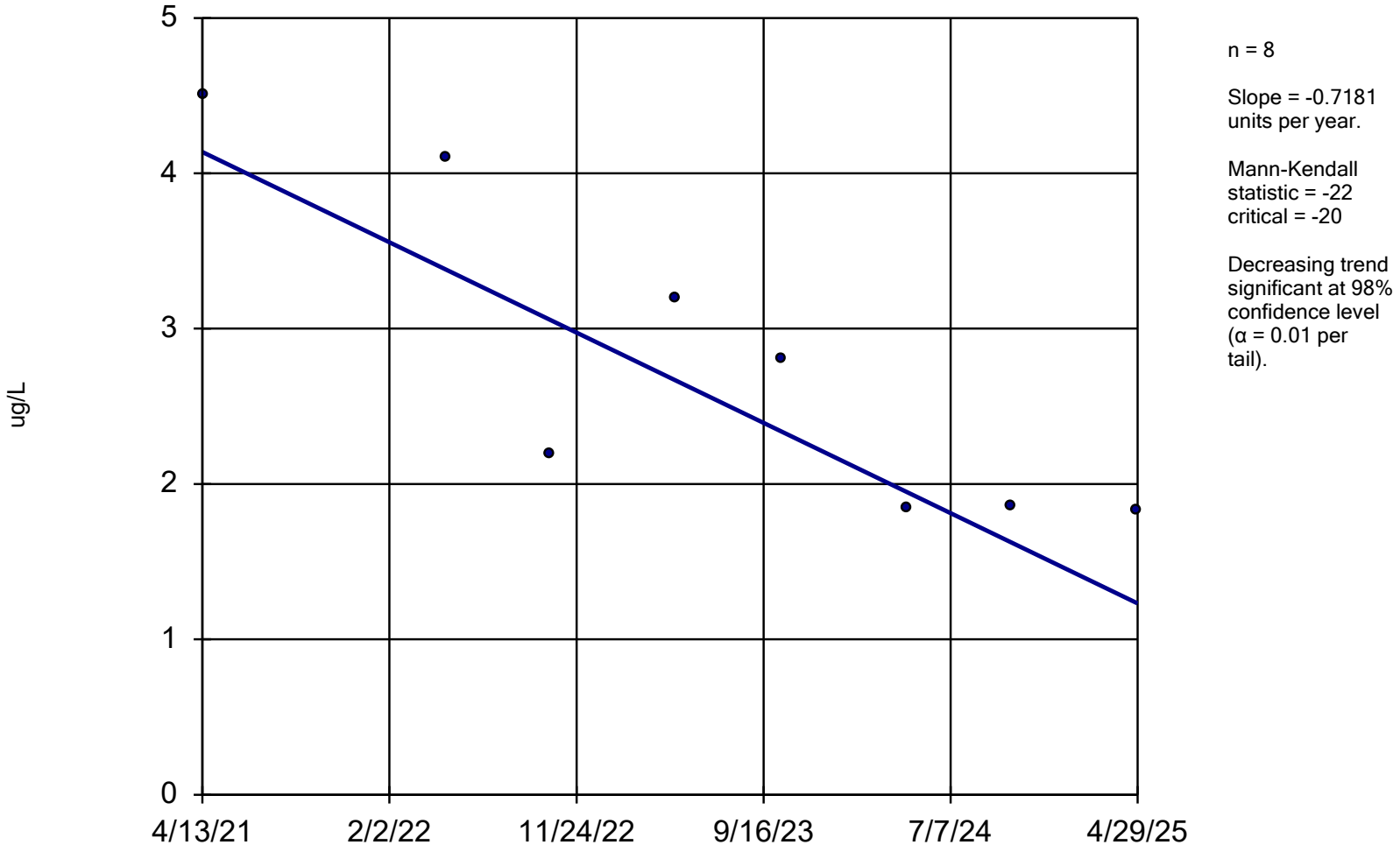
Sen's Slope Estimator

MW-16A



n = 8

Slope = -0.7181 units per year.

Mann-Kendall statistic = -22
critical = -20

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Dichlorodifluoromethane Analysis Run 7/20/2025 4:11 AM View: 08_MW_Corrective Action T

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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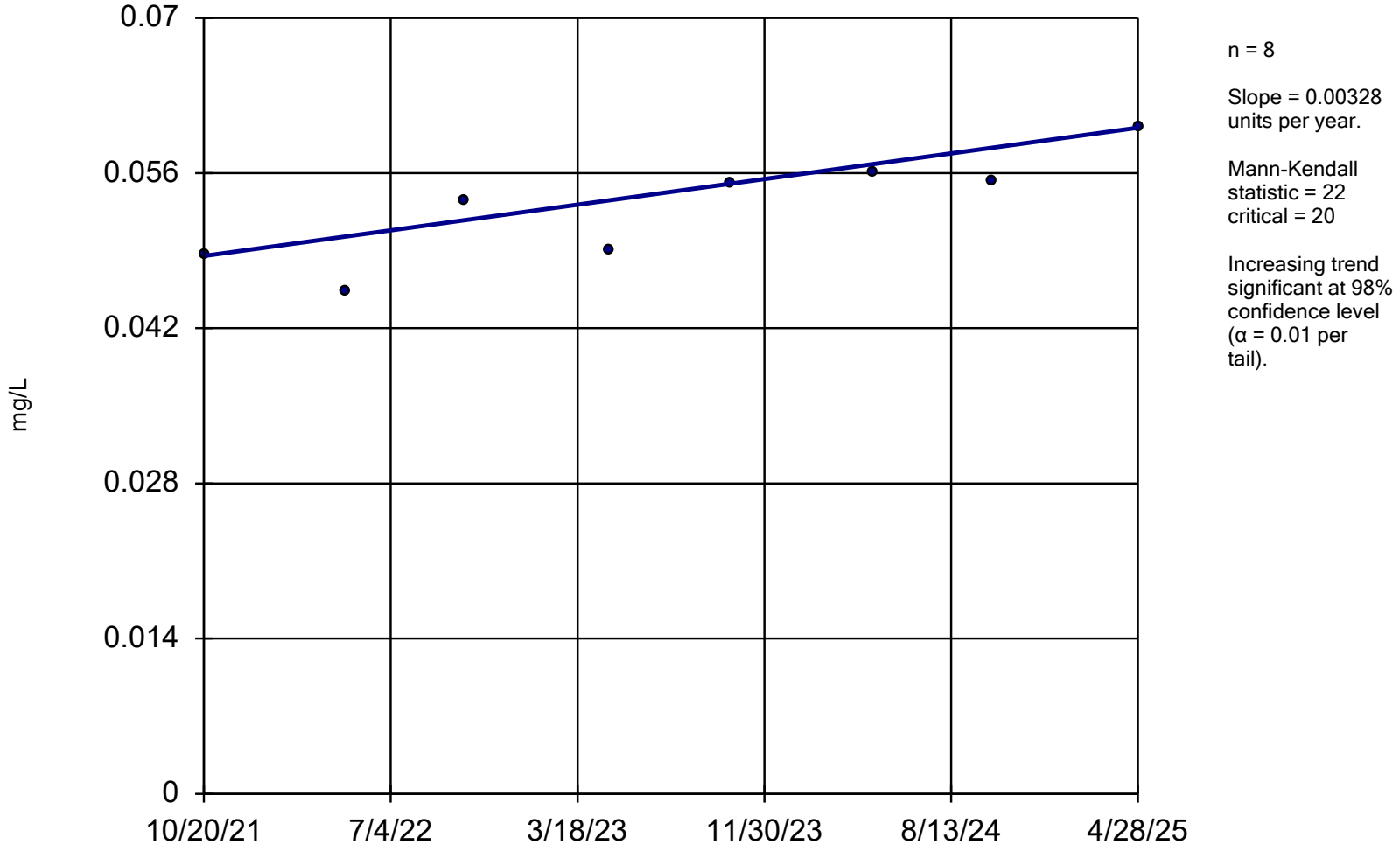
Sen's Slope Estimator

MW-209B



Constituent: Nickel Analysis Run 7/20/2025 4:11 AM View: 08_MW_Corrective Action Trend Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

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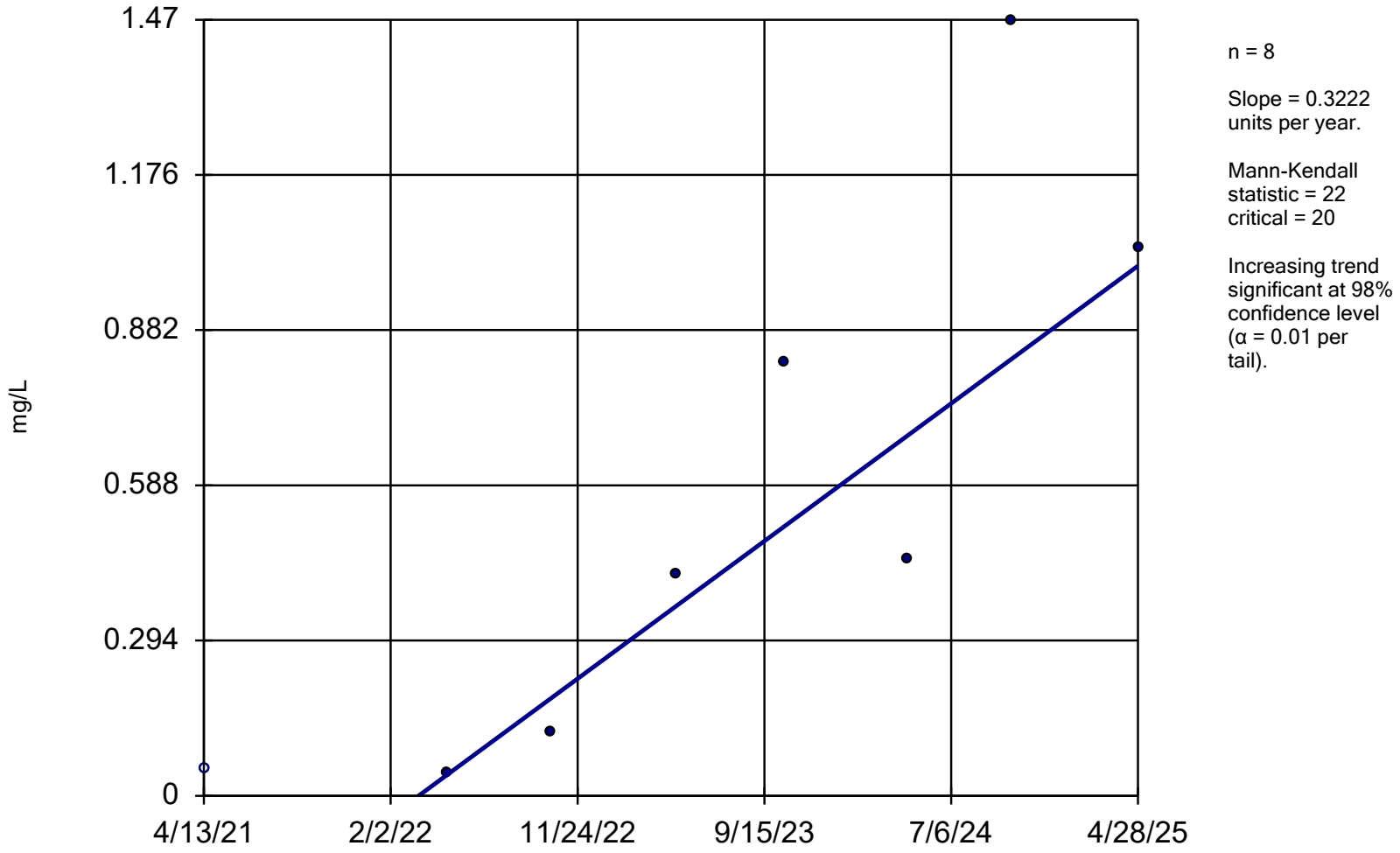
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-209B



n = 8

Slope = 0.3222 units per year.

Mann-Kendall statistic = 22
critical = 20

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfide Analysis Run 7/20/2025 4:11 AM View: 08_MW_Corrective Action Trend Analysis

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/20/2025, 4:12 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
1,1-Dichloroethane (ug/L)	MW-16A	-0.9673	-12	-20	No	8	0	n/a	n/a	0.02	NP
1,1-Dichloroethane (ug/L)	MW-18A-07	9.677	4	20	No	8	0	n/a	n/a	0.02	NP
1,1-Dichloroethane (ug/L)	**MW-206A**	**-4.001**	**-26**	**-20**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.02**	**NP**
1,1-Dichloroethene (ug/L)	MW-18A-07	-0.6889	-16	-20	No	8	12.5	n/a	n/a	0.02	NP
1,2-Dichloropropane (u...	MW-16A	-0.298	-17	-20	No	8	0	n/a	n/a	0.02	NP
1,2-Dichloropropane (u...	MW-18A-07	0	1	20	No	8	50	n/a	n/a	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-16A	0.02951	2	10	No	5	80	n/a	n/a	0.02	NP
2,4,5-TP [Silvex] (ug/L)	MW-209B	-0.1885	-8	-20	No	8	12.5	n/a	n/a	0.02	NP
Acetone (ug/L)	MW-209B	-1.259	-10	-20	No	8	50	n/a	n/a	0.02	NP
Arsenic (mg/L)	MW-1A	-0.01932	-16	-20	No	8	0	n/a	n/a	0.02	NP
Arsenic (mg/L)	MW-2A-97	-0.006238	-18	-20	No	8	0	n/a	n/a	0.02	NP
Arsenic (mg/L)	MW-6B	-0.00843	-16	-20	No	8	0	n/a	n/a	0.02	NP
Arsenic (mg/L)	MW-11B	0.001483	3	20	No	8	0	n/a	n/a	0.02	NP
Arsenic (mg/L)	MW-18A-07	-0.002327	-20	-20	No	8	0	n/a	n/a	0.02	NP
Arsenic (mg/L)	MW-209B	-0.002652	-10	-20	No	8	0	n/a	n/a	0.02	NP
Arsenic (mg/L)	MW-212A	-0.001863	-8	-20	No	8	0	n/a	n/a	0.02	NP
Arsenic (mg/L)	MW-206A	-0.0001967	-10	-20	No	8	62.5	n/a	n/a	0.02	NP
Arsenic (mg/L)	MW-207A	0.004301	10	20	No	8	0	n/a	n/a	0.02	NP
Arsenic (mg/L)	MW-211B	0.009574	20	20	No	8	0	n/a	n/a	0.02	NP
Barium (mg/L)	MW-1A	-0.09172	-14	-20	No	8	0	n/a	n/a	0.02	NP
Barium (mg/L)	MW-2A-97	-0.06365	-18	-20	No	8	0	n/a	n/a	0.02	NP
Barium (mg/L)	MW-6B	-0.04088	-12	-20	No	8	0	n/a	n/a	0.02	NP
Barium (mg/L)	MW-11B	-0.01228	-6	-20	No	8	0	n/a	n/a	0.02	NP
Barium (mg/L)	MW-16A	-0.009226	-6	-20	No	8	0	n/a	n/a	0.02	NP
Barium (mg/L)	MW-18A-07	-0.06995	-14	-20	No	8	0	n/a	n/a	0.02	NP
Barium (mg/L)	MW-209B	0.02418	10	20	No	8	0	n/a	n/a	0.02	NP
Barium (mg/L)	MW-212A	-0.01661	-2	-20	No	8	0	n/a	n/a	0.02	NP
Barium (mg/L)	**MW-206A**	**-0.04525**	**-22**	**-20**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Barium (mg/L)	MW-207A	-0.004525	-4	-20	No	8	0	n/a	n/a	0.02	NP
Barium (mg/L)	MW-211B	0.03408	2	20	No	8	0	n/a	n/a	0.02	NP
Benzene (ug/L)	MW-18A-07	-0.8822	-14	-20	No	8	0	n/a	n/a	0.02	NP
Benzene (ug/L)	MW-209B	-0.4534	-16	-20	No	8	0	n/a	n/a	0.02	NP
Cadmium (mg/L)	**MW-2A-97**	**-0.0002013**	**-22**	**-20**	**Yes**	**8**	**62.5**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/L)	MW-16A	-0.0001862	-14	-20	No	8	87.5	n/a	n/a	0.02	NP
Chlorobenzene (ug/L)	MW-209B	-0.02514	-10	-20	No	8	0	n/a	n/a	0.02	NP
Chloroethane (ug/L)	MW-18A-07	1.742	16	20	No	8	12.5	n/a	n/a	0.02	NP
cis-1,2-Dichloroethene...	MW-16A	0.6174	8	20	No	8	0	n/a	n/a	0.02	NP
cis-1,2-Dichloroethene...	**MW-18A-07**	**39.22**	**24**	**20**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/L)	MW-1A	0.0002509	2	20	No	8	0	n/a	n/a	0.02	NP
Cobalt (mg/L)	MW-2A-97	-0.001669	-13	-20	No	8	0	n/a	n/a	0.02	NP
Cobalt (mg/L)	MW-6B	0.000883	8	20	No	8	0	n/a	n/a	0.02	NP
Cobalt (mg/L)	MW-11B	-0.0001856	-6	-20	No	8	0	n/a	n/a	0.02	NP
Cobalt (mg/L)	MW-16A	-0.0002942	-6	-20	No	8	0	n/a	n/a	0.02	NP
Cobalt (mg/L)	MW-18A-07	-0.0008467	-18	-20	No	8	0	n/a	n/a	0.02	NP
Cobalt (mg/L)	MW-209B	0.00009947	14	20	No	8	0	n/a	n/a	0.02	NP
Cobalt (mg/L)	MW-212A	-0.0001906	-10	-20	No	8	0	n/a	n/a	0.02	NP
Cobalt (mg/L)	MW-206A	-0.00004028	-6	-20	No	8	75	n/a	n/a	0.02	NP
Cobalt (mg/L)	MW-207A	-0.000002201	0	20	No	8	0	n/a	n/a	0.02	NP
Cobalt (mg/L)	MW-211B	-0.01124	-6	-20	No	8	0	n/a	n/a	0.02	NP
Dichlorodifluoromethan...	**MW-16A**	**-0.7181**	**-22**	**-20**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.02**	**NP**

Trend Test

Iowa City Landfill Client: HDR Data: Iowa City Sanitary Landfill Printed 7/20/2025, 4:12 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Dichlorodifluoromethan...	MW-18A-07	-0.6119	-10	-20	No	8	12.5	n/a	n/a	0.02	NP
Dichlorodifluoromethan...	MW-206A	-2.416	-20	-20	No	8	12.5	n/a	n/a	0.02	NP
Nickel (mg/L)	MW-1A	0.0006337	15	20	No	8	0	n/a	n/a	0.02	NP
Nickel (mg/L)	MW-2A-97	-0.0003754	-3	-20	No	8	0	n/a	n/a	0.02	NP
Nickel (mg/L)	MW-6B	0.0007219	15	20	No	8	0	n/a	n/a	0.02	NP
Nickel (mg/L)	MW-11B	-0.0006197	-20	-20	No	8	0	n/a	n/a	0.02	NP
Nickel (mg/L)	MW-16A	-0.0009066	-12	-20	No	8	0	n/a	n/a	0.02	NP
Nickel (mg/L)	MW-18A-07	-0.0001193	-10	-20	No	8	0	n/a	n/a	0.02	NP
Nickel (mg/L)	**MW-209B**	**0.00328**	**22**	**20**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Nickel (mg/L)	MW-211B	-0.001522	-2	-20	No	8	0	n/a	n/a	0.02	NP
Selenium (mg/L)	MW-206A	-0.0004992	-10	-20	No	8	0	n/a	n/a	0.02	NP
Sulfide (mg/L)	**MW-209B**	**0.3222**	**22**	**20**	**Yes**	**8**	**12.5**	**n/a**	**n/a**	**0.02**	**NP**
Tetrachloroethene (ug/L)	MW-16A	-0.5011	-18	-20	No	8	0	n/a	n/a	0.02	NP
Tetrachloroethene (ug/L)	MW-18A-07	-1.823	-10	-20	No	8	0	n/a	n/a	0.02	NP
trans-1,2-Dichloroethe...	MW-18A-07	0.2061	8	20	No	8	12.5	n/a	n/a	0.02	NP
Trichloroethene (ug/L)	MW-16A	-0.9981	-18	-20	No	8	0	n/a	n/a	0.02	NP
Trichloroethene (ug/L)	MW-18A-07	-2.895	-10	-20	No	8	0	n/a	n/a	0.02	NP
Vanadium (mg/L)	MW-16A	-0.006016	-20	-20	No	8	87.5	n/a	n/a	0.02	NP
Vanadium (mg/L)	MW-209B	-0.005195	-13	-20	No	8	37.5	n/a	n/a	0.02	NP
Vanadium (mg/L)	MW-212A	-0.004958	-7	-20	No	8	37.5	n/a	n/a	0.02	NP
Vinyl Chloride (ug/L)	MW-16A	-0.361	-8	-20	No	8	0	n/a	n/a	0.02	NP
Vinyl Chloride (ug/L)	MW-18A-07	-2.305	-16	-20	No	8	0	n/a	n/a	0.02	NP
Xylenes, Total (ug/L)	MW-209B	-1.416	-20	-20	No	8	0	n/a	n/a	0.02	NP

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Appendix B

Spring 2025 Field Sampling Forms

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FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: WE 1 Date: 4/30/25
Gradient (circle one): Up / Down Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet):
Initial Static Water Level (feet):
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Dedicated Submersible Pump □ Other: □ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	**Temperature (°C) 10%**	Dissolved Oxygen (mg/L)	**Conductivity (µS/cm) +/- 10%**	**pH (S.U.) +/- 0.1**	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
8:20	Purging start time				[redacted]		
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons):
Was well pumped/bailed dry?
Total Amount of Time Purged (minutes:seconds)
Average Purge Rate (mL/min)

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 51° 8mph E wind cloudy

IDNR Form 542-1322

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: WT-2 Date: 4/30/24
Gradient (circle one): Up / Down Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet):
Initial Static Water Level (feet):
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Dedicated Submersible Pump □ Other: □ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	**Temperature (°C) 10%**	Dissolved Oxygen (mg/L)	**Conductivity (µS/cm) +/- 10%**	**pH (S.U.) +/- 0.1**	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
8:39	Purging start time				[redacted]		
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons):
Was well pumped/bailed dry?
Total Amount of Time Purged (minutes:seconds)
Average Purge Rate (mL/min)

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 51°
3mph E wind
n. clouds

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: WT-3
Date: 4/30/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet):
Initial Static Water Level (feet):
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Dedicated Submersible Pump □ Other: □ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	**Temperature (°C) 10%**	Dissolved Oxygen (mg/L)	**Conductivity (µS/cm) +/- 10%**	**pH (S.U.) +/- 0.1**	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
8:55	Purging start time				[redacted]		
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons):
Was well pumped/bailed dry?
Total Amount of Time Purged (minutes:seconds)
Average Purge Rate (mL/min)

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 54° 9mph E winds Mi cloudy

IDNR Form 542-1322

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: WT-4 Date: 4/30/25
Gradient (circle one): Up / Down Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet):
Initial Static Water Level (feet):
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Other: □ Dedicated Submersible Pump □ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	**Temperature (°C) 10%**	Dissolved Oxygen (mg/L)	**Conductivity (µS/cm) +/- 10%**	**pH (S.U.) +/- 0.1**	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
9:18	Purging start time				[redacted]		
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons):
Was well pumped/bailed dry?
Total Amount of Time Purged (minutes:seconds)
Average Purge Rate (mL/min)

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 550
9 mph E wind
M. cloudy

IDNR Form 542-1322

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: WT-9F
Date: 4/30/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet):
Initial Static Water Level (feet):
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Dedicated Submersible Pump □ Other: □ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	**Temperature (°C) 10%**	Dissolved Oxygen (mg/L)	**Conductivity (µS/cm) +/- 10%**	**pH (S.U.) +/- 0.1**	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
8:15	Purging start time				[redacted]		
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons):
Was well pumped/bailed dry?
Total Amount of Time Purged (minutes:seconds)
Average Purge Rate (mL/min)

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 51° 8mph E wind cloudy

IDNR Form 542-1322

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-1A
Date: 5/8/25
Gradient (circle one): Up / Down
Sampler: MW JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 29
Initial Static Water Level (feet): 10.88
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Other: □ Dedicated Submersible Pump X QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
7:25	Purging start time				[redacted]	[redacted]	10.88
7:28	10.9	16.5	1866	6.44			12.15
7:31	10.7	8.4	378	6.46			12.80
7:34	10.7	6.1	881	6.47			13.31
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 1.9
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 211.11

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 51°
11mph NE WIND
Full sun

IDNR Form 542-1322

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-18 Date: 5/4/25
Gradient (circle one): Up / Down Sampler: MW F

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 35.69
Initial Static Water Level (feet): 7.81
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): X Dedicated Peristaltic Pump □ Other: □ Dedicated Submersible Pump □ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
8:52	Purging start time						7.81
8:55	11.9	9.9	752	6.61			8.07
8:58	12.0	7.3	756	6.61			8.11
9:01	12.0	5.6	760	6.61			8.13
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.1
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 233.33

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 56D
4mph SW WIND
SUN

IDNR Form 542-13

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-2A-97 Date: 5/8/25
Gradient (circle one): Up / Down Sampler: MW F

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 27.82
Initial Static Water Level (feet): 19.35
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Other: □ Dedicated Submersible Pump X QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
3:40	Purging start time						19.35
3:43	12.6	28.4	769	6.51			19.64
3:46	12.5	10.5	791	6.48			19.75
3:49	12.5	2.0	796	6.47			20.07
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 1.3
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes/seconds) 9
Average Purge Rate (mL/min) 144.44

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 54°
13 mph NE wind
Full Sun

IDNR Form 542-1322

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-2C-97 Sampler: MW F Date: 5/9/25
Gradient (circle one): Up / Down

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 63.67
Initial Static Water Level (feet): 22.97
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Other: □ Dedicated Submersible Pump ☒ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
12:25	Purging start time						22.97
12:28	13.6	32.4	469.7	8.84			22.97
12:31	13.7	11.5	472.5	8.80			22.97
12:34	13.7	9.2	472.5	8.77			22.97
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: (liters) gallons): 2.4
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes/seconds) 9
Average Purge Rate (mL/min) 266.66

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 66°
5mph NE wind
Full Sun.

IDNR Form 542-132

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-5B
Date: 5/6/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 23.40
Initial Static Water Level (feet): 11.89
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): X Dedicated Peristaltic Pump ☐ Other: ☐ Dedicated Submersible Pump ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
13.26	Purging start time				[redacted]		11.89
13.29	11.0	51.9	395.8	7.39			13.78
13.32	10.8	51.6	372.0	7.30			15.05
13.35	10.7	52.0	371.0	7.30			15.82
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 3.0
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 333.33

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 720
Sample Named
SCM

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: 6B
Date: 4/28/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 23.25
Initial Static Water Level (feet): 12.31
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): X Dedicated Peristaltic Pump □ Other: □ Dedicated Submersible Pump □ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
	Purging start time				[redacted]		12.31
2:38	10.5	9.4	968	6.62			12.97
7:41	10.3	7.2	968	6.64			13.07
7:44	10.2	5.3	969	6.60			13.15
7:47							
	Pump shut-off, sample collected:						

Quantity of Water Removed from Well (circle units: (liters) / gallons): 1.5
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 166.66

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / (No)
If yes, explain:

Additional Comments: 61° 14 mph SE Wind cloudy

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-731 Date: 5/6/25
Gradient (circle one): Up / Down Sampler: MWF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 25.55
Initial Static Water Level (feet): 11.44
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
12:33	Purging start time				[redacted]	[redacted]	11.44
12:36	12.0	10.3	475.7	7.06			12.12
12:39	11.8	7.6	473.2	7.10			12.20
12:42	11.7	6.3	477.4	7.08			12.22
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.1
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 233.33

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 68°
3mph NW WIND
SUN.

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-7C Sampler: MW F Date: 5/9/25
Gradient (circle one): Up / Down

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 48.03
Initial Static Water Level (feet): 8.00
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Other: □ Dedicated Submersible Pump X QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
							8.00
10:37	Purging start time						8.21
10:40	12.7	15.4	496.5	9.35			8.21
10:43	12.5	7.2	495.5	9.05			8.21
10:46	12.5	6.6	496.0	8.99			8.21
10:49	12.5	6.1	496.3	8.97			
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units liters gallons): 2.3
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 12
Average Purge Rate (mL/min) 255.55

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 61° 4mph E wind Full Sun

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-8B
Date: 4/25/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 22.78
Initial Static Water Level (feet): 9.86
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): (Dedicated Peristaltic Pump) □ Other: □ Dedicated Submersible Pump □ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
8:32	Purging start time				[redacted]		9.86
8:35	10.3	11.2	580	6.80			10.79
8:38	10.1	7.3	582	6.83			11.33
8:41	10.0	5.3	583	6.82			12.00
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: (liters) / gallons): 1.9
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 211.11

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / (No)
If yes, explain:

Additional Comments: 58° 9mph E/NE WIND cloudy

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-10B
Date: 4/25/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 18.8
Initial Static Water Level (feet): 2.99
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Other: ☐ Dedicated Submersible Pump ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
9:32	Purging start time						2.99
9:35	10.2	8.5	333.5	6.55			3.36
9:38	10.0	5.6	333.0	6.59			3.39
9:41	9.9	4.6	332.9	6.61			3.39
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.7
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 244.4

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 57° 9mph NE WIND
Cloudy

IDNR Form 542-13

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-113 Date: 4/29/25
Gradient (circle one): Up / Down Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 12.23
Initial Static Water Level (feet): 7.71
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): X Dedicated Peristaltic Pump ☐ Other: ☐ Dedicated Submersible Pump ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
8:14	Purging start time						7.71
8:17	9.6	21.3	711	6.79			8.81
8:20	9.5	17.3	712	6.82			9.23
8:23	9.5	13.2	717	6.82			9.62
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.5
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes/seconds) 9
Average Purge Rate (mL/min) 222.22

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 51°
21 mph wind NW
p. sunny

IDNR Form 542-132

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-11D
Date: 4/30/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 35.1
Initial Static Water Level (feet): 7.62
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): X Dedicated Peristaltic Pump □ Other: □ Dedicated Submersible Pump □ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
9:59	Purging start time						7.62
10:02	11.1	8.7	702	6.92			9.68
10:05	11.1	7.9	697	6.96			10.39
10:08	11.0	35.9	649	7.01			11.35
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.2
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 244.44

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 60° 8mph E wind cloudy

IDNR Form 5

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW 12B
Date: 5/7/25
Gradient (circle one): Up / Down
Sampler: MW F

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 19.2
Initial Static Water Level (feet): 3.30
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): X Dedicated Peristaltic Pump ☐ Other: ☐ Dedicated Submersible Pump ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
9:20	Purging start time				[redacted]		3.30
9:23	9.8	12.8	607	6.73			3.70
9:26	9.8	9.6	606	6.69			3.78
9:29	9.9	8.2	610	6.67			3.81
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.2
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 244.44

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 66° 3mph NW wind mostly cloudy

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-14B
Date: 4/23/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes / No If No, explain:

Litter/Standing Water? (circle one): Yes / No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 20.2
Initial Static Water Level (feet): 5.29
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
10:01	Purging start time				[redacted]		5.29
10:04	11.1	14.7	672	6.46			5.87
10:07	10.7	12.3	668	6.42			5.97
10:10	10.7	10.6	667	6.49			6.05
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 1.3
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 144.44

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments:
67°
6 mph SW WIND
MOSTLY SUNNY

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-15A
Date: 4/24/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 21.08
Initial Static Water Level (feet): 3.75
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
13:52	Purging start time				[redacted]	[redacted]	3.75
13:55	11.4	31.5	992	6.62			4.95
13:58	11.2	25.4	977	6.63			5.56
14:01	11.1	20.1	982	6.58			5.95
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.0
Was well pumped/bailed dry? N/S
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 222.22

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / (No)
If yes, explain:

Additional Comments: 76° 6mph SE WIND p.cloudy

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-16A
Date: 4/29/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 24.05
Initial Static Water Level (feet): 14.63
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
12:53	Purging start time						14.63
12:56	11.2	10.4	851	6.79			15.80
12:59	11.2	7.7	846	6.82			15.15
13:02	11.2	6.0	843	6.83			15.36
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: (liters) / gallons): 2.0
Was well pumped/bailed dry? No
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 222.22

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 61° 13mph NW WIND mostly cloudy

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-17A-00 Date: 4/23/25
Gradient (circle one): Up / Down Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 40.31
Initial Static Water Level (feet): 22.75
Initial Groundwater Elevation (ft amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
13:31	Purging start time						22.75
13:34	14.6	15.0	575	6.73			23.73
13:37	14.3	12.1	571	6.75			24.22
13:40	14.3	10.6	569	6.75			24.71
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: (liters) / gallons): 1.7
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 188.88

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / (No)
If yes, explain:

Additional Comments: 73°
12mph S wind
M. SUNNY

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-18AR
Date: 4/30/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes / No If No, explain:

Litter/Standing Water? (circle one): Yes / No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 33.32
Initial Static Water Level (feet): 24.59
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
10:28	Purging start time						24.59
10:31	13.2	27.5	668	6.59			24.81
10:34	13.1	26.3	669	6.61			25.06
10:37	13.0	28.8	668	6.61			25.24
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 1.3
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes/seconds) 9
Average Purge Rate (mL/min) 144.44

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 62° 9MPH E WIND
Cloudy

IDNR Form 542-132

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-18-A07 Date: 4/29/25
Gradient (circle one): Up / Down Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 32.8
Initial Static Water Level (feet): 24.25
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
9:13	Purging start time				[redacted]		24.25
9:16	12.4	10.8	892	6.38			24.54
9:19	12.5	6.7	904	6.41			24.74
9:22	12.4	5.3	903	6.41			24.95
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units (liters) / gallons): 1.6
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 177.77

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 52°
18mph NW WIND
Mostly Sunny

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-23A
Date: 5/8/25
Gradient (circle one): Up / Down
Sampler: AWT

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 45.71
Initial Static Water Level (feet): 12.30
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Other: □ Dedicated Submersible Pump ☒ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L.)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
12:20	Purging start time				[redacted]	[redacted]	12.30
12:23	12.7	18.1	403.3	7.24			13.68
12:26	12.4	8.4	396.3	7.22			14.58
12:29	12.4	6.6	399.0	7.23			15.35
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 1.9
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes/seconds) 9
Average Purge Rate (mL/min) 211.11

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 67° 13 mph NE WIND
Full Sun

IDNR Form 542-1322

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW 24A
Date: 5/7/25
Gradient (circle one): Up / Down
Sampler: AMF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 45.34
Initial Static Water Level (feet): 26.82
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Dedicated Submersible Pump □ Other: ☒ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
10:00	Purging start time						26.82
10:03	15.6	12.1 9.5	728	6.76			28.0
10:06	15.6		738	6.66			28.89
10:09	15.6	4.3	741	6.65			29.90
10:12	15.7	3.8	741	6.65			30.53
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.9
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 12
Average Purge Rate (mL/min) 322.22

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / (No)
If yes, explain:

Additional Comments: 71°
2mph W wind
M. SUNNY

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-25A-00 Date: 5/8/25
Gradient (circle one): Up / Down Sampler: NW F

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 29.93
Initial Static Water Level (feet): 10.80
Initial Groundwater Elevation (ft-amsl):

Equipment Used (check one): □ Dedicated Peristaltic Pump □ Other: □ Dedicated Submersible Pump ☒ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
1203	Purging start time						10.80
10:06	12.6	25.3	660	7.50			12.01
10109	12.4	17.9	656	7.47			12.59
10112	12.2	15.7	653	7.43			13.20
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 1.8
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 4
Average Purge Rate (mL/min) 200.0

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 57° 12MPH NE WIND SUN

IDNR Form 542-132

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW 29A
Date: 5-5-25
Gradient (circle one): Up / Down
Sampler: AS JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 20.08
Initial Static Water Level (feet): 7.31
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): X Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
							7.31
7:44	Purging start time						8.44
7:47	9.8	9.0	749	6.43			9.11
7:50	9.6	6.2	746	6.44			9.30
7:53	9.5	5.0	733	6.44			
	Pump shut-off, sample collected						

Quantity of Water Removed from Well (circle units: (liters) / gallons): 2.1 L
Was well pumped/bailed dry? No
Total Amount of Time Purged (minutes:seconds) 9 min.
Average Purge Rate (mL/min) 233.33

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments:
52° NNE 4
Sunny

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-31B/Dup 2 Date: 5/7/25
Gradient (circle one): Up / Down Sampler: MF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 45.7
Initial Static Water Level (feet): 35.91
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump ☒ Other: Waterra □ Dedicated Submersible Pump □ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
7:30	Purging start time				[redacted]	[redacted]	35.91
7:33	13.3	<4.6	639	6.77			36.61
7:36	13.0	35.7	635	6.75			36.91
7:39	12.8	25.6	632	6.73			37.38
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: (liters) / gallons): 2.5
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes/seconds) 9
Average Purge Rate (mL/min) 277.77

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / (No)
If yes, explain: Hinge needs work

Additional Comments:
57° 3mph N Wind
Mostly Cloudy

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-34A
Date: 5/9/25
Gradient (circle one): Up / Down
Sampler: MS

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes / No If No, explain:

Litter/Standing Water? (circle one): Yes / No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 27.78
Initial Static Water Level (feet): 21.72
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Dedicated Submersible Pump ☒ QED □ Other:

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
9:18	Purging start time						21.72
9:21	11.8	55.3	397.5	7.01			22.10
9:24	11.8	58.8	395.5	6.99			22.36
9:27	11.6	67.0	396.3	7.00			22.61
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.0
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 222.22

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 56° 5mph E wind Full Sun

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW -38A Date: 3/9/25
Gradient (circle one): Up / Down Sampler: AW JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 36.38
Initial Static Water Level (feet): 17.84
Initial Groundwater Elevation (ft-amsl):

Equipment Used (check one): □ Dedicated Peristaltic Pump □ Dedicated Submersible Pump ☑ QED □ Other:

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
13.36	Purging start time						17.84
13.39	12.5	87.6	437.8	9.69			18.86
13.42	12.2	85.1	438.0	9.66			19.75
13.45	12.3	84.0	436.8	9.60			20.57
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: (liters) / gallons): 2.0
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 222.22

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / (No)
If yes, explain:

Additional Comments: 70° 4mph NE WIND FULL SUN.

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-39B
Date: 4/30/25
Gradient (circle one): Up / Down
Sampler: AW F

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 17.00
Initial Static Water Level (feet): 8.78
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): X Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
12:15	Purging start time						8.78
12:18	9.6	11.4	168.8	6.66			9.16
12:21	9.5	8.1	167.8	6.65			9.27
12:24	9.3	6.8	167.5	6.61			9.34
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.2
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes/seconds): 9
Average Purge Rate (mL/min) 244.44

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 62°
10mph SE Wind
Cloudy

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: GW-200A
Date: 4/30/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 35.38
Initial Static Water Level (feet): 20.87
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
9138	Purging start time				[redacted]		20.87
9133	13.5	22.1	802	6.71			21.28
9136	13.5	19.6	813	6.73			21.38
9139	13.6	18.0	818	6.74			21.51
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: (liters) / gallons): 15
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 166.66

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / (No)
If yes, explain:

Additional Comments: 58° 8mph E wind Cloudy

IDNR Form 542-132

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-201A
Date: 5/6/25
Gradient (circle one): Up / Down
Sampler: MF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 28.28
Initial Static Water Level (feet): 22.25
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
9:37	Purging start time						22.25
9:40	13.5	35.6	447	6.80			22.37
9:43	13.2	35.6	413.3	6.78			22.45
9:46	13.2	44.3	403.6	6.79			22.58
	Pump shut-off, sample collected.						

9.49

Quantity of Water Removed from Well (circle units: (liters) / gallons): 1.3
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 144.44

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / (No)
If yes, explain:

Additional Comments: 60° 5mph W. Wind 5 qtr

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-202A
Date: 4/23/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 31.54
Initial Static Water Level (feet): 16.85
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
12:34	Purging start time						16.85
12:37	13.8	63.7	336.0	7.11			18.00
12:40	13.4	62.4	334.0	7.13			18.54
12:43	13.2	61.6	331.9	7.14			19.09
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 1.7
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 188.88

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 71° 12mph S wind p.sunny

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-203A
Date: 5/6/25
Gradient (circle one): Up / Down
Sampler: MT

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 33.17
Initial Static Water Level (feet): 21.29
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
10:30	Purging start time						21.29
10:33	13.2	46.3	524	6.73			21.71
10:36	13.1	45.3	522	6.73			21.90
10:39	13.0	43.9	522	6.70			22.12
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 1.8
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes/seconds) 9
Average Purge Rate (mL/min) 200.00

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 64°
5mph W. W.Ld
SVN

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-204A
Date: 4/24/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 23.14
Initial Static Water Level (feet): 9.73
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
10:12	Purging start time						9.73
10:15	12.5	57.9	451.7	6.72			10.07
10:18	12.1	55.9	451.5	6.75			10.51
10:21	11.9	55.5	451.7	6.77			10.71
	Pump shut-off, sample collected						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.1
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 7
Average Purge Rate (mL/min) 233.33

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes No
If yes, explain:

Additional Comments: 68° 9mph SE WIND M. SUNNY

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-205A
Date: 4/24/25
Gradient (circle one): Up / Down
Sampler: ZW/[illegible]

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): ~~Yes~~ No If No, explain:

Litter/Standing Water? (circle one): Yes ~~No~~ If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 21.6
Initial Static Water Level (feet): 10.98
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ~~X~~ Dedicated Peristaltic Pump □ Dedicated Submersible Pump □ Other: □ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
13:10	Purging start time				[redacted]	[redacted]	10.98
13:13	11.0	14.0	616	6.77			11.55
13:16	10.5	6.6	602	6.79			11.91
13:19	10.3	4.7	589	6.78			12.29
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: ~~liters~~ / gallons): 1.8
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 200.00

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 75°
6 mph SE WIND
M. SUNNY

IDNR Form 542-1322

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-206A
Date: 4/29/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 20.11
Initial Static Water Level (feet): 9.50
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
10:29	Purging start time						9.50
10:32	9.7	36.1	560	6.86			10.09
10:35	9.6	34.4	560	6.88			10.28
10:38	9.5	34.8	559	6.85			10.41
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.3
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 255.55

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 55°
18mph NW Wind
P. Sunny

IDNR Form 542-1322

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-207A
Date: 4/28/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 19.08
Initial Static Water Level (feet): 5.49
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
13:41	Purging start time				[redacted]		5.49
13:44	11.3	6.9	678	6.87			5.90
13:47	11.0	4.4	670	6.85			5.99
13:50	11.1	3.5	666	6.86			6.03
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.3
Was well pumped/bailed dry? No
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 255.55

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain: Needs to be cut

Additional Comments: 76° 23 mph S wind
pumping

IDNR Form 542-

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-208B
Date: 4/23/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 20.12
Initial Static Water Level (feet): 9.41
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
10:15	Purging start time				[redacted]	[redacted]	9.41
10:18	10.5	15.8	548	6.66			10.64
10:21	10.3	13.7	548	6.61			10.77
10:24	10.3	13.2	545	6.65			10.96
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 1.6
Was well pumped/bailed dry? No
Total Amount of Time Purged (minutes/seconds) 9
Average Purge Rate (mL/min) 177.77

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 60° 5mph NE WIND Cloudy

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-209B
Date: 4/28/24
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 23.1
Initial Static Water Level (feet): 10.88
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): (X) Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
8:54	Purging start time				[redacted]		10.88
8:57	11.1	7.4	2235	6.49			10.90
9:00	10.9	4.6	2225	6.49			11.18
9:03	10.9	3.7	2222	6.49			11.35
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: (liters) / gallons): 2.2
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) ~244.44

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 63°
17mph S wind
mostly cloudy

IDNR Form 542-132

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-210B
Date: 5.5.25
Gradient (circle one): Up / Down
Sampler: AS B

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 19.90
Initial Static Water Level (feet): 5.19
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Other: ☐ Dedicated Submersible Pump ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
8:43	Purging start time				[redacted]	[redacted]	5.19
8:46	9.4	8.8	717	6.71			5.80
8:49	9.2	5.8	714	6.73			5.90
8:52	9.1	4.8	712	6.71			5.96
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: (liters) / gallons): 2.3 L
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9 Min
Average Purge Rate (mL/min) 255.56

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments:
57° NNE 6 MPH
Sunny

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-211B
Date: 4/28/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 34.31
Initial Static Water Level (feet): 24.10
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
9:53	Purging start time				[redacted]		24.10
10:01	13.0	2.5	769	6.26			24.64
10:04	12.9	5.8	769	6.28			24.80
10:07	12.9	4.9	772	6.29			25.01
	Pump shut-off, sample collected						

Quantity of Water Removed from Well (circle units: liters / gallons): 1.5
Was well pumped/bailed dry? No
Total Amount of Time Purged (minutes:seconds) 5
Average Purge Rate (mL/min) 166.66

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes No
If yes, explain:

Additional Comments:
65°
18mph S wind
cloudy

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-212A
Date: 4/28/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 29.42
Initial Static Water Level (feet): 20.00
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Other: ☐ Dedicated Submersible Pump ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
							20.00
12:31	Purging start time						20.90
12:34	14.1	8.7	1395	6.63			21.20
12:37	13.9	5.9	1381	6.65			21.54
12:40	13.9	4.7	1376	6.65			
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 1.9
Was well pumped/bailed dry? No
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 211.11

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 72°
20 mph S wind
M. cloudy

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-213A
Date: 3/9/25
Gradient (circle one): Up / Down
Sampler: MW F

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 31.98
Initial Static Water Level (feet): 17.74
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Dedicated Submersible Pump □ Other: ☒ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
12:48	Purging start time						17.74
12:51	12.9	55.1	771	11.43			18.11
12:54	12.4	50.9	773	10.35			18.28
12:57	12.6	50.1	774	10.32			18.43
13:00	12.4	48.7	772	10.28			18.60
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: (liters) / gallons): 3.0
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 12
Average Purge Rate (mL/min) 333.33

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / (No)
If yes, explain:

Additional Comments: 67°
5mph NE WIND
Full SUN

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW 214A
Date: 4/23/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 37.93
Initial Static Water Level (feet): 20.44
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☑ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	**Temperature (°C) 10%**	Dissolved Oxygen (mg/L)	**Conductivity (µS/cm) +/- 10%**	**pH (S.U.) +/- 0.1**	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
14:43	Purging start time				[redacted]		20.44
14:46	16.6	32.3	674	6.85			21.63
14:49	16.5	28.0	665	6.87			22.25
14:52	16.1	26.8	663	6.87			22.93
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units liters / gallons): 1.8
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9:
Average Purge Rate (mL/min) 200.00

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 74° 11mph S wind M. SUNNY

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW 215A
Date: 5/7/15
Gradient (circle one): Up / Down
Sampler: MWJ

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 52.36
Initial Static Water Level (feet): 29.79
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump Waterra X Other: □ Dedicated Submersible Pump □ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
	Purging start time						29.79
8:21	14.3	14.7	588	6.90			33.27
8:24	14.3	13.5	592	6.89			33.90
8:27	14.4	12.7	593	6.89			34.65
8:30							
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 3.1
Was well pumped/bailed dry? No
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 344.44

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain: should be shortened.

Additional Comments: 62°
3mph W/NW WIND
cloudy

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-216A
Date: 5/7/25
Gradient (circle one): Up / Down
Sampler: MWF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 37.00
Initial Static Water Level (feet): 29.23
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☐ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☒ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
12:15	Purging start time				[redacted]		29.23
12:18	14.4	38.1	1017	6.92			29.80
12:21	14.2	31.5	1020	6.89			30.06
12:24	14.0	30.6	1024	6.85			30.29
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: (liters) / gallons): 1.8
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes/seconds) 9
Average Purge Rate (mL/min) 200.00

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? (Yes) / No
If yes, explain: Needs new hinge

Additional Comments: 77° Smpth Sunny mostly Sunny

IDNR Form 542-1322

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-27A
Date: 5/7/25
Gradient (circle one): Up / Down
Sampler: LN JD

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 42.16
Initial Static Water Level (feet): 32.70
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Other: □ Dedicated Submersible Pump X QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
							32.90
							33.19
							33.25
							33.45
12:46	Purging start time						
12:49	14.7	57.2	268.9	6.90			
12:52	14.5	50.5	272.3	6.89			
12:55	14.7	49.4	271.5	6.83			
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.1
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 233.33

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 78°
3mph S WIND
M. SUNNY

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-28A | Date: 5/7/25
Gradient (circle one): Up / Down | Sampler: TW F

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 47.15
Initial Static Water Level (feet): 24.38
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Other: □ Dedicated Submersible Pump ☒ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
13:18	Purging start time						24.38
13:21	14.6	25.6	461.5	7.80			25.89
13:24	14.2	25.6	460.0	7.74			26.59
13:27	14.3	25.8	461.9	7.71			27.52
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: ~~liters~~ / gallons): 2.1
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes/seconds) 9
Average Purge Rate (mL/min) 233.33

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / (No)
If yes, explain:

Additional Comments: 79°
2mph S wind
SVN

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-219A
Date: 5/9/25
Gradient (circle one): Up / Down
Sampler: MW

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 53.18
Initial Static Water Level (feet): 21.80
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Other: □ Dedicated Submersible Pump ☒ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
7153	Purging start time						21.80
7:56	12.1	27.7	425.8	7.02			22.96
7:59	12.1	42.7	427.7	7.06			24.14
8:02	12.1	49.6	426.4	7.08			25.45
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.1
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 233.33

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 480 5mph NE wind SUN

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-220A
Date: 5/9/25
Gradient (circle one): Up / Down
Sampler: MW F

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 58.02
Initial Static Water Level (feet): 23.54
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Dedicated Submersible Pump □ Other: ~~QED~~

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
8:18	Purging start time				[redacted]		23.54
8:21	12.1	31.1	594	7.06			25.04
8:24	12.1	26.7	615	7.08			25.92
8:27	12.1	25.7	618	7.10			27.05
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.0
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 222.22

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / (No)
If yes, explain:

Additional Comments: 51° Smpl E wind SUN.

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: 306A
Date: 4/24/25
Gradient (circle one): Up / Down
Sampler: ZW/JF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 23.0
Initial Static Water Level (feet): 10.36
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
12:29	Purging start time				[redacted]		10.36
12:32	11.8	22.3	376.9	7.00			11.82
12:35	11.6	20.2	373.1	7.03			12.30
12:38	11.5	19.1	372.6	7.04			12.88
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: (liters) / gallons): 1.9
Was well pumped/bailed dry? No
Total Amount of Time Purged (minutes/seconds) 9
Average Purge Rate (mL/min) 211.11

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 68° 9mph SE wind M. Sunny

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-310A
Date: 4/30/25
Gradient (circle one): Up / Down
Sampler: AWF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes / No If No, explain:

Litter/Standing Water? (circle one): Yes / No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 24.28
Initial Static Water Level (feet): 7.67
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Other: ☐ Dedicated Submersible Pump ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
12:50	Purging start time						7.67
12:53	9.9	27.0	376.9	7.09			8.98
12:56	9.8	25.4	376.8	7.08			9.40
12:59	9.7	24.7	376.0	7.02			9.75
	Pump shut-off, sample collected						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.0
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes/seconds)
Average Purge Rate (mL/min) 222.22

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 61°
11mph SE WIND
Cloudy

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-312A
Date: 4/30/25
Gradient (circle one): Up / Down
Sampler:

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 27.78
Initial Static Water Level (feet): 7.61
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
13:27	Purging start time						7.61
13:30	11.4	20.5	372.8	6.96			8.10
13:33	11.3	16.9	372.8	6.97			8.19
13:36	11.1	14.9	370.6	6.97			8.20
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 7.2
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 9
Average Purge Rate (mL/min) 24.44

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 63°
11mph SE WIND
CLOUDY

IDNR For

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-404 Date: 5/8/25
Gradient (circle one): Up / Down Sampler: AM F

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 41.44
Initial Static Water Level (feet): 15.94
Initial Groundwater Elevation (ft-amsl):

Equipment Used (check one): □ Dedicated Peristaltic Pump □ Dedicated Submersible Pump ☒ QED □ Other:

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
13:16	Purging start time						15.94
13:19	13.2	50.7	441.2	8.99			17.31
13:22	13.0	62.8	433.0	8.60			18.26
13:25	13.0	67.9	430.2	8.55			18.82
13:27	13.0	68.8	430.0	8.53			19.19
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 1.5
Was well pumped/bailed dry? NO
Total Amount of Time Purged (~~minutes~~:seconds) 12
Average Purge Rate (mL/min) 166.66

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 69° 13 mph NE WIND 5m.

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-407 Date: 5/9/25
Gradient (circle one): Up / Down Sampler: MW F

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 41.39
Initial Static Water Level (feet): 11.50
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☐ Dedicated Peristaltic Pump ☐ Other: ☐ Dedicated Submersible Pump X QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
10:03	Purging start time						11.50
10:06	12.5	19.2	592	8.38			12.83
10:09	12.2	8.2	584	8.34			13.74
10:12	12.2	6.2	583	8.30			14.81
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 1.5
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes/seconds): 7
Average Purge Rate (mL/min) 166.66

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 59°
4 mph NE wind
FULL SUN

IDNR Form 542-132

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-408 Date: 5-5-25
Gradient (circle one): Up / Down Sampler: AS JS

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 19.36
Initial Static Water Level (feet): 5.75
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): ☒ Dedicated Peristaltic Pump ☐ Dedicated Submersible Pump ☐ Other: ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
7:14	Purging start time						5.75
7:17	9.2	17.5	290.2	6.78			6.66
7:20	9.1	14.5	293.0	6.63			6.91
7:23	9.0	13.0	293.5	6.66			7.08
7:26	9.0	12.2	294.0	6.68			7.23
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.2L
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes:seconds) 12 min
Average Purge Rate (mL/min) 0.183

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain: /

Additional Comments:
51° NNE 3 mph
Mostly Sunny

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-409 Sampler: ZW/JF Date: 4/24/25
Gradient (circle one): Up / Down

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): Yes / No If No, explain:

Litter/Standing Water? (circle one): Yes / No If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 33.85
Initial Static Water Level (feet): 17.21
Initial Groundwater Elevation (ft amsl):
Equipment Used (check one): X Dedicated Peristaltic Pump ☐ Other: ☐ Dedicated Submersible Pump ☐ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
14:23	Purging start time				[redacted]		13.21
14:26	12.9	11.4	929	6.24			13.80
14:29	12.8	9.0	918	6.26			13.87
14:31	12.5	7.9	909	6.27			13.91
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: liters / gallons): 2.1
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes/seconds) 9
Average Purge Rate (mL/min) 233.33

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes / No
If yes, explain:

Additional Comments: 76° 7mph SE WIND p. cloudy

IDNR Form 542-1322

FORM FOR GROUNDWATER SAMPLING

Project:
Monitoring Well/Piezometer ID: MW-410 Date: 5/8/25
Gradient (circle one): Up / Down Sampler: MF

A. MW/PIEZOMETER CONDITIONS

Well/Piezometer Capped? (circle one): (Yes) No If No, explain:

Litter/Standing Water? (circle one): Yes (No) If Yes, explain:

B. GROUNDWATER ELEVATION MEASUREMENT (+/- 0.01 foot, MSL)

Measured Well Total Depth (feet): 28.35
Initial Static Water Level (feet): 11.75
Initial Groundwater Elevation (ft-amsl):
Equipment Used (check one): □ Dedicated Peristaltic Pump □ Dedicated Submersible Pump □ Other: ☒ QED

C. WELL PURGING

FIELD PARAMETERS [stabilization criteria] RECORD EVERY 3 MINUTES

Time	Temperature (°C) 10%	Dissolved Oxygen (mg/L)	Conductivity (µS/cm) +/- 10%	pH (S.U.) +/- 0.1	ORP (mV)	Turbidity (NTU)	Static Water Level (feet)
1354	Purging start time				[redacted]		11.75
13:57	10.5	32.4	679	9.13			13.00
14:00	10.0	21.7	669	9.10			14.08
14:03	10.0	19.3	669	9.09			14.19
	Pump shut-off, sample collected.						

Quantity of Water Removed from Well (circle units: (liters) / gallons): 3.2
Was well pumped/bailed dry? NO
Total Amount of Time Purged (minutes/seconds) 9
Average Purge Rate (mL/min) 355.55

D. WELL MAINTENANCE

Does the monitoring well/piezometer require any future maintenance? Yes (No)
If yes, explain:

Additional Comments: 69°
12mph NE WIND
FULL SUN

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Appendix C

Spring 2025 Laboratory Analytical Reports

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ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Wilson
HDR Inc
1917 S 67th Street
Omaha, Nebraska 68106

Generated 5/9/2025 3:47:39 PM

JOB DESCRIPTION

Iowa City Landfill Spring 2025

JOB NUMBER

310-305114-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 6
Detection Summary 7
Client Sample Results 9
Definitions 49
Surrogate Summary 50
QC Sample Results 53
QC Association 92
Chronicle 99
Certification Summary 104
Method Summary 106
Chain of Custody 107
Receipt Checklists 113
Detection Limit Exceptions Summary 116

Job Narrative
310-305114-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/25/2025 3:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.8°C, 2.5°C and 3.3°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 310-453819 recovered outside of the control limits for Bromomethane (-23.3%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is impacted: (CCV 310-453819/4).

Method 8260D: The initial calibration verification (ICV) result for batch 310-452932 was above the upper control limit. The affected analyte is: 1,1,1,2-Tetrachloroethane. Sample results were non-detects, and have been reported as qualified data.

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-452932 recovered above the upper control limit for 1,1,1,2-Tetrachloroethane (21.0%D). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is:(CCV 310-452932/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-452932 recovered above the upper control limit for Trichlorofluoromethane (28.0%D) and Dichlorodifluoromethane (43.3%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-452932/4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 310-452882. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8270E: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-452882 and analytical batch 310-453792 recovered outside control limits for the following analyte(s): 1,4-phenylenediamine. 1,4-phenylenediamine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-452882 and analytical batch 310-454001 recovered outside control limits for the following analyte(s): 1,4-phenylenediamine. 1,4-phenylenediamine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The laboratory control sample (LCS) for preparation batch 310-452882 and analytical batch 310-454001 recovered outside acceptance limits for Chlorobenzilate. There was insufficient sample and holding-time remaining to perform a re-extraction or re-analysis; therefore, the data have been reported.

Method 8270E: The laboratory control sample duplicate (LCSD) for preparation batch 310-452882 and analytical batch 310-454001 recovered outside control limits for the following analytes: Kepone. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-454001 recovered above the upper control limit for Methyl parathion(21.5%D) and o-Toluidine(20.7%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-454001/2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
Method 8151A: The laboratory control sample duplicate (LCSD) for preparation batch 410-637791 and analytical batch 410-637983 recovered outside control limits for the following analytes: Silvex (2,4,5-TP). The associated sample(s) was re-prepared and/or re-analyzed outside holding time and and Silvex (2,4,5-TP) is within control limits in the LCSD. There is insufficient sample remaining for another extraction. The results are reported from the initial analysis. MW-14B (310-305114-1), MW-202A (310-305114-2), MW-17A-00 (310-305114-3), MW-214A (310-305114-4) and MW-204A (310-305114-5)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B: The continuing calibration verification (CCV) associated with batch 310-453583 recovered above the upper control limit for 4,4'-DDE. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-305114-1	MW-14B	Water	04/23/25 10:30	04/25/25 15:10
310-305114-2	MW-202A	Water	04/23/25 12:48	04/25/25 15:10
310-305114-3	MW-17A-00	Water	04/23/25 13:45	04/25/25 15:10
310-305114-4	MW-214A	Water	04/23/25 15:00	04/25/25 15:10
310-305114-5	MW-204A	Water	04/24/25 10:25	04/25/25 15:10
310-305114-6	MW-205A	Water	04/24/25 13:25	04/25/25 15:10
310-305114-7	MW-306A	Water	04/24/25 12:45	04/25/25 15:10
310-305114-8	MW-15A	Water	04/24/25 14:05	04/25/25 15:10
310-305114-9	MW-409	Water	04/24/25 14:35	04/25/25 15:10
310-305114-10	Trip Blank 1	Water	04/24/25 00:00	04/25/25 15:10
310-305114-11	Trip Blank 2	Water	04/24/25 00:00	04/25/25 15:10
310-305114-12	Trip Blank 3	Water	04/24/25 00:00	04/25/25 15:10

Detection Summary

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-14B — Lab Sample ID: 310-305114-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.400	J	1.00	0.220	ug/L	1		8260D	Total/NA
Arsenic	0.000963	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.361		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00144		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00546		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	3.13		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-202A — Lab Sample ID: 310-305114-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.290		0.00200	0.000660	mg/L	1		6020B	Total/NA

Client Sample ID: MW-17A-00 — Lab Sample ID: 310-305114-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.256	J	3.00	0.250	ug/L	1		8260D	Total/NA
Barium	0.481		0.00200	0.000660	mg/L	1		6020B	Total/NA

Client Sample ID: MW-214A — Lab Sample ID: 310-305114-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.250		0.00200	0.000660	mg/L	1		6020B	Total/NA
Total Suspended Solids	7.50		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-204A — Lab Sample ID: 310-305114-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00383		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.168		0.00200	0.000660	mg/L	1		6020B	Total/NA
Nickel	0.00257	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Selenium	0.00293	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Total Suspended Solids	5.33		5.00	3.50	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-205A — Lab Sample ID: 310-305114-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00232		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.196		0.00200	0.000660	mg/L	1		6020B	Total/NA
Total Suspended Solids	23.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-306A — Lab Sample ID: 310-305114-7

No Detections.

Client Sample ID: MW-15A — Lab Sample ID: 310-305114-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00684		0.00200	0.000530	mg/L	1		6020B	Total/NA
Total Suspended Solids	6.00		5.00	3.50	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-409 — Lab Sample ID: 310-305114-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.00889		0.000500	0.000170	mg/L	1		6020B	Total/NA
Arsenic	0.0510		0.00200	0.000530	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample ID: MW-409 (Continued)
Lab Sample ID: 310-305114-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	80.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: Trip Blank 1
Lab Sample ID: 310-305114-10

No Detections.

Client Sample ID: Trip Blank 2
Lab Sample ID: 310-305114-11

No Detections.

Client Sample ID: Trip Blank 3
Lab Sample ID: 310-305114-12

No Detections.

This Detection Summary does not include radiochemical test results.

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-14B
Lab Sample ID: 310-305114-1
Date Collected: 04/23/25 10:30
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/29/25 11:09	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/29/25 11:09	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/29/25 11:09	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/29/25 11:09	1
1,1-Dichloroethane	**0.400**	**J**	1.00	0.220	ug/L			04/29/25 11:09	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/29/25 11:09	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/29/25 11:09	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/29/25 11:09	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/29/25 11:09	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/29/25 11:09	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/29/25 11:09	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/29/25 11:09	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/29/25 11:09	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/29/25 11:09	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/29/25 11:09	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/29/25 11:09	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/29/25 11:09	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/29/25 11:09	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/29/25 11:09	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/29/25 11:09	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/29/25 11:09	1
Acetone	<10.0		10.0	3.10	ug/L			04/29/25 11:09	1
Acrolein	<10.0		10.0	3.60	ug/L			04/29/25 11:09	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/29/25 11:09	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/29/25 11:09	1
Benzene	<0.500		0.500	0.220	ug/L			04/29/25 11:09	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/29/25 11:09	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/29/25 11:09	1
Bromoform	<5.00		5.00	0.780	ug/L			04/29/25 11:09	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/29/25 11:09	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/29/25 11:09	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/29/25 11:09	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/29/25 11:09	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/29/25 11:09	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/29/25 11:09	1
Chloroform	<3.00		3.00	1.30	ug/L			04/29/25 11:09	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/29/25 11:09	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/29/25 11:09	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/29/25 11:09	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/29/25 11:09	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/29/25 11:09	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/29/25 11:09	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/29/25 11:09	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/29/25 11:09	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/29/25 11:09	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/29/25 11:09	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/29/25 11:09	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/29/25 11:09	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/29/25 11:09	1

Client Sample ID: MW-14B
Lab Sample ID: 310-305114-1
Date Collected: 04/23/25 10:30
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/29/25 11:09	1
Styrene	<1.00		1.00	0.370	ug/L			04/29/25 11:09	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/29/25 11:09	1
Toluene	<1.00		1.00	0.430	ug/L			04/29/25 11:09	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/29/25 11:09	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/29/25 11:09	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/29/25 11:09	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/29/25 11:09	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/29/25 11:09	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/29/25 11:09	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/29/25 11:09	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/29/25 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*04/29/25 11:09*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*04/29/25 11:09*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*04/29/25 11:09*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.4		10.4	0.667	ug/L		04/28/25 11:23	05/07/25 15:16	1
Acenaphthylene	<10.4		10.4	0.750	ug/L		04/28/25 11:23	05/07/25 15:16	1
Acetophenone	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/07/25 15:16	1
2-Acetylaminofluorene	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 15:16	1
4-Aminobiphenyl	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 15:16	1
Anthracene	<10.4		10.4	0.906	ug/L		04/28/25 11:23	05/07/25 15:16	1
Benzo[a]anthracene	<10.4		10.4	0.885	ug/L		04/28/25 11:23	05/07/25 15:16	1
Benzo[a]pyrene	<10.4		10.4	8.44	ug/L		04/28/25 11:23	05/07/25 15:16	1
Benzo[b]fluoranthene	<10.4		10.4	5.10	ug/L		04/28/25 11:23	05/07/25 15:16	1
Benzo[g,h,i]perylene	<10.4		10.4	6.56	ug/L		04/28/25 11:23	05/07/25 15:16	1
Benzo[k]fluoranthene	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 15:16	1
Benzyl alcohol	<10.4		10.4	1.35	ug/L		04/28/25 11:23	05/07/25 15:16	1
Bis(2-chloroethoxy)methane	<10.4		10.4	0.792	ug/L		04/28/25 11:23	05/07/25 15:16	1
Bis(2-chloroethyl)ether	<10.4		10.4	0.854	ug/L		04/28/25 11:23	05/07/25 15:16	1
bis (2-chloroisopropyl) ether	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/07/25 15:16	1
Bis(2-ethylhexyl) phthalate	<10.4		10.4	5.73	ug/L		04/28/25 11:23	05/07/25 15:16	1
4-Bromophenyl phenyl ether	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/07/25 15:16	1
Butyl benzyl phthalate	<10.4		10.4	5.63	ug/L		04/28/25 11:23	05/07/25 15:16	1
4-Chloroaniline	<10.4		10.4	0.646	ug/L		04/28/25 11:23	05/07/25 15:16	1
Chlorobenzilate	<10.4	*-	10.4	3.75	ug/L		04/28/25 11:23	05/07/25 15:16	1
4-Chloro-3-methylphenol	<10.4		10.4	0.875	ug/L		04/28/25 11:23	05/07/25 15:16	1
2-Chloronaphthalene	<10.4		10.4	0.667	ug/L		04/28/25 11:23	05/07/25 15:16	1
2-Chlorophenol	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/07/25 15:16	1
4-Chlorophenyl phenyl ether	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/07/25 15:16	1
Chrysene	<10.4		10.4	0.906	ug/L		04/28/25 11:23	05/07/25 15:16	1
Diallate	<10.4		10.4	4.17	ug/L		04/28/25 11:23	05/07/25 15:16	1
Dibenzo(a,h)anthracene	<10.4		10.4	4.06	ug/L		04/28/25 11:23	05/07/25 15:16	1
Dibenzofuran	<10.4		10.4	0.771	ug/L		04/28/25 11:23	05/07/25 15:16	1
3,3'-Dichlorobenzidine	<10.4		10.4	1.46	ug/L		04/28/25 11:23	05/07/25 15:16	1
2,4-Dichlorophenol	<10.4		10.4	0.885	ug/L		04/28/25 11:23	05/07/25 15:16	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-14B
Lab Sample ID: 310-305114-1
Date Collected: 04/23/25 10:30
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/07/25 15:16	1
Diethyl phthalate	<10.4		10.4	1.77	ug/L		04/28/25 11:23	05/07/25 15:16	1
Dimethoate	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 15:16	1
7,12-Dimethylbenz(a)anthracene	<10.4		10.4	1.98	ug/L		04/28/25 11:23	05/07/25 15:16	1
3,3'-Dimethylbenzidine	<10.4		10.4	1.56	ug/L		04/28/25 11:23	05/07/25 15:16	1
2,4-Dimethylphenol	<10.4		10.4	0.604	ug/L		04/28/25 11:23	05/07/25 15:16	1
Dimethyl phthalate	<10.4		10.4	1.04	ug/L		04/28/25 11:23	05/07/25 15:16	1
Di-n-butyl phthalate	<10.4		10.4	5.83	ug/L		04/28/25 11:23	05/07/25 15:16	1
1,3-Dinitrobenzene	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/07/25 15:16	1
4,6-Dinitro-2-methylphenol	<10.4		10.4	7.19	ug/L		04/28/25 11:23	05/07/25 15:16	1
2,4-Dinitrophenol	<20.8		20.8	13.5	ug/L		04/28/25 11:23	05/07/25 15:16	1
2,4-Dinitrotoluene	<10.4		10.4	6.67	ug/L		04/28/25 11:23	05/07/25 15:16	1
2,6-Dinitrotoluene	<10.4		10.4	0.542	ug/L		04/28/25 11:23	05/07/25 15:16	1
Di-n-octyl phthalate	<20.8		20.8	7.29	ug/L		04/28/25 11:23	05/07/25 15:16	1
Dinoseb	<10.4		10.4	2.50	ug/L		04/28/25 11:23	05/07/25 15:16	1
Diphenylamine	<10.4		10.4	6.25	ug/L		04/28/25 11:23	05/07/25 15:16	1
Disulfoton	<10.4		10.4	2.50	ug/L		04/28/25 11:23	05/07/25 15:16	1
Ethyl methanesulfonate	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 15:16	1
Ethyl Parathion	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 15:16	1
Famphur	<10.4		10.4	3.96	ug/L		04/28/25 11:23	05/09/25 11:08	1
Fluoranthene	<10.4		10.4	1.77	ug/L		04/28/25 11:23	05/07/25 15:16	1
Fluorene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/07/25 15:16	1
Hexachlorobenzene	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/07/25 15:16	1
Hexachlorobutadiene	<10.4		10.4	0.896	ug/L		04/28/25 11:23	05/07/25 15:16	1
Hexachlorocyclopentadiene	<10.4		10.4	5.31	ug/L		04/28/25 11:23	05/07/25 15:16	1
Hexachloroethane	<10.4		10.4	1.01	ug/L		04/28/25 11:23	05/07/25 15:16	1
Hexachloropropene	<10.4		10.4	2.71	ug/L		04/28/25 11:23	05/07/25 15:16	1
Indeno[1,2,3-cd]pyrene	<10.4		10.4	4.38	ug/L		04/28/25 11:23	05/07/25 15:16	1
Isodrin	<10.4		10.4	4.90	ug/L		04/28/25 11:23	05/07/25 15:16	1
Isophorone	<10.4		10.4	0.969	ug/L		04/28/25 11:23	05/07/25 15:16	1
Isosafrole	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/07/25 15:16	1
Kepone	<10.4	*+	10.4	1.04	ug/L		04/28/25 11:23	05/07/25 15:16	1
Methapyrilene	<10.4		10.4	0.792	ug/L		04/28/25 11:23	05/07/25 15:16	1
3-Methylcholanthrene	<10.4		10.4	0.333	ug/L		04/28/25 11:23	05/07/25 15:16	1
Methyl methanesulfonate	<10.4		10.4	3.44	ug/L		04/28/25 11:23	05/07/25 15:16	1
2-Methylnaphthalene	<10.4		10.4	0.615	ug/L		04/28/25 11:23	05/07/25 15:16	1
Methyl parathion	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/07/25 15:16	1
2-Methylphenol	<10.4		10.4	0.677	ug/L		04/28/25 11:23	05/07/25 15:16	1
Methylphenol, 3 & 4	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/07/25 15:16	1
1,4-Naphthoquinone	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 15:16	1
1-Naphthylamine	<10.4		10.4	2.60	ug/L		04/28/25 11:23	05/07/25 15:16	1
2-Naphthylamine	<10.4		10.4	2.19	ug/L		04/28/25 11:23	05/07/25 15:16	1
2-Nitroaniline	<10.4		10.4	6.15	ug/L		04/28/25 11:23	05/07/25 15:16	1
3-Nitroaniline	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 15:16	1
4-Nitroaniline	<10.4		10.4	1.35	ug/L		04/28/25 11:23	05/07/25 15:16	1
Nitrobenzene	<10.4		10.4	0.833	ug/L		04/28/25 11:23	05/07/25 15:16	1
5-Nitro-o-toluidine	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/07/25 15:16	1
2-Nitrophenol	<10.4		10.4	7.08	ug/L		04/28/25 11:23	05/07/25 15:16	1
4-Nitrophenol	<10.4		10.4	7.92	ug/L		04/28/25 11:23	05/07/25 15:16	1

Client Sample ID: MW-14B
Lab Sample ID: 310-305114-1
Date Collected: 04/23/25 10:30
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.4		10.4	3.54	ug/L		04/28/25 11:23	05/07/25 15:16	1
N-Nitrosodimethylamine	<10.4		10.4	0.750	ug/L		04/28/25 11:23	05/07/25 15:16	1
N-Nitrosodi-n-butylamine	<10.4		10.4	4.06	ug/L		04/28/25 11:23	05/07/25 15:16	1
N-Nitrosodi-n-propylamine	<10.4		10.4	0.958	ug/L		04/28/25 11:23	05/07/25 15:16	1
N-Nitrosodiphenylamine	<10.4		10.4	0.781	ug/L		04/28/25 11:23	05/07/25 15:16	1
N-Nitrosomethylethylamine	<10.4		10.4	5.10	ug/L		04/28/25 11:23	05/07/25 15:16	1
N-Nitrosopiperidine	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 15:16	1
N-Nitrosopyrrolidine	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 15:16	1
o,o',o''-Triethylphosphorothioate	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/07/25 15:16	1
o-Toluidine	<10.4		10.4	3.02	ug/L		04/28/25 11:23	05/07/25 15:16	1
p-Dimethylamino azobenzene	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 15:16	1
Pentachlorobenzene	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/07/25 15:16	1
Pentachloronitrobenzene	<10.4		10.4	6.04	ug/L		04/28/25 11:23	05/07/25 15:16	1
Pentachlorophenol	<10.4		10.4	10.0	ug/L		04/28/25 11:23	05/07/25 15:16	1
Phenacetin	<10.4		10.4	1.98	ug/L		04/28/25 11:23	05/07/25 15:16	1
Phenanthrene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/07/25 15:16	1
Phenol	<10.4		10.4	1.15	ug/L		04/28/25 11:23	05/07/25 15:16	1
1,4-phenylenediamine	<10.4	*-	10.4	1.98	ug/L		04/28/25 11:23	05/07/25 15:16	1
Phorate	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/07/25 15:16	1
Pronamide	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 15:16	1
Pyrene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/07/25 15:16	1
Safrole	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/07/25 15:16	1
1,2,4,5-Tetrachlorobenzene	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/07/25 15:16	1
2,3,4,6-Tetrachlorophenol	<10.4		10.4	5.52	ug/L		04/28/25 11:23	05/07/25 15:16	1
Thionazin	<10.4		10.4	3.65	ug/L		04/28/25 11:23	05/07/25 15:16	1
2,4,5-Trichlorophenol	<10.4		10.4	5.52	ug/L		04/28/25 11:23	05/07/25 15:16	1
2,4,6-Trichlorophenol	<10.4		10.4	5.21	ug/L		04/28/25 11:23	05/07/25 15:16	1
1,3,5-Trinitrobenzene	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/07/25 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*39 - 118*	*04/28/25 11:23*	*05/07/25 15:16*	*1*
2-Fluorophenol (Surr)	*49*		*25 - 110*	*04/28/25 11:23*	*05/07/25 15:16*	*1*
Nitrobenzene-d5 (Surr)	*71*		*45 - 129*	*04/28/25 11:23*	*05/07/25 15:16*	*1*
Phenol-d5 (Surr)	*42*		*21 - 110*	*04/28/25 11:23*	*05/07/25 15:16*	*1*
Terphenyl-d14 (Surr)	*68*		*12 - 144*	*04/28/25 11:23*	*05/07/25 15:16*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*27 - 136*	*04/28/25 11:23*	*05/07/25 15:16*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			04/28/25 15:18	1
Isobutanol	<10.0		10.0	2.40	mg/L			04/28/25 15:18	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0904		0.0904	0.0226	ug/L		04/28/25 10:59	05/01/25 13:36	1
4,4'-DDE	<0.0904		0.0904	0.0271	ug/L		04/28/25 10:59	05/01/25 13:36	1
4,4'-DDT	<0.0904		0.0904	0.0181	ug/L		04/28/25 10:59	05/01/25 13:36	1
Aldrin	<0.0904		0.0904	0.0199	ug/L		04/28/25 10:59	05/01/25 13:36	1
alpha-BHC	<0.0904		0.0904	0.00904	ug/L		04/28/25 10:59	05/01/25 13:36	1
beta-BHC	<0.0904		0.0904	0.0380	ug/L		04/28/25 10:59	05/01/25 13:36	1

Client Sample ID: MW-14B
Lab Sample ID: 310-305114-1
Date Collected: 04/23/25 10:30
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.81		1.81	0.353	ug/L		04/28/25 10:59	05/01/25 13:36	1
delta-BHC	<0.0904		0.0904	0.0289	ug/L		04/28/25 10:59	05/01/25 13:36	1
Dieldrin	<0.0904		0.0904	0.0190	ug/L		04/28/25 10:59	05/01/25 13:36	1
Endosulfan I	<0.0904		0.0904	0.0253	ug/L		04/28/25 10:59	05/01/25 13:36	1
Endosulfan II	<0.0904		0.0904	0.0235	ug/L		04/28/25 10:59	05/01/25 13:36	1
Endosulfan sulfate	<0.0904		0.0904	0.0163	ug/L		04/28/25 10:59	05/01/25 13:36	1
Endrin	<0.0904		0.0904	0.0253	ug/L		04/28/25 10:59	05/01/25 13:36	1
Endrin aldehyde	<0.0904		0.0904	0.0244	ug/L		04/28/25 10:59	05/01/25 13:36	1
gamma-BHC (Lindane)	<0.0904		0.0904	0.00904	ug/L		04/28/25 10:59	05/01/25 13:36	1
Heptachlor	<0.0904		0.0904	0.0208	ug/L		04/28/25 10:59	05/01/25 13:36	1
Heptachlor epoxide	<0.0904		0.0904	0.0289	ug/L		04/28/25 10:59	05/01/25 13:36	1
Methoxychlor	<0.0904		0.0904	0.0289	ug/L		04/28/25 10:59	05/01/25 13:36	1
Toxaphene	<1.81		1.81	0.904	ug/L		04/28/25 10:59	05/01/25 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*10 - 150*	*04/28/25 10:59*	*05/01/25 13:36*	*1*
Tetrachloro-m-xylene	*81*		*17 - 150*	*04/28/25 10:59*	*05/01/25 13:36*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.81		1.81	0.742	ug/L		04/28/25 10:59	05/01/25 13:36	1
PCB-1221	<1.81		1.81	0.742	ug/L		04/28/25 10:59	05/01/25 13:36	1
PCB-1232	<1.81		1.81	0.742	ug/L		04/28/25 10:59	05/01/25 13:36	1
PCB-1242	<1.81		1.81	0.742	ug/L		04/28/25 10:59	05/01/25 13:36	1
PCB-1248	<1.81		1.81	0.624	ug/L		04/28/25 10:59	05/01/25 13:36	1
PCB-1254	<1.81		1.81	0.624	ug/L		04/28/25 10:59	05/01/25 13:36	1
PCB-1260	<1.81		1.81	0.624	ug/L		04/28/25 10:59	05/01/25 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*10 - 150*	*04/28/25 10:59*	*05/01/25 13:36*	*1*
Tetrachloro-m-xylene	*89*		*17 - 150*	*04/28/25 10:59*	*05/01/25 13:36*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.648		0.648	0.270	ug/L		04/30/25 15:32	05/01/25 10:33	1
Silvex (2,4,5-TP)	<0.0540	*-	0.0540	0.0238	ug/L		04/30/25 15:32	05/01/25 10:33	1
2,4,5-T	<0.162		0.162	0.0702	ug/L		04/30/25 15:32	05/01/25 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*65*		*34 - 142*	*04/30/25 15:32*	*05/01/25 10:33*	*1*
DCAA	*62*		*34 - 142*	*04/30/25 15:32*	*05/01/25 10:33*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 14:01	1
Arsenic	**0.000963**	**J**	0.00200	0.000530	mg/L		05/02/25 09:00	05/02/25 18:42	1
Barium	**0.361**		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 14:01	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/05/25 14:01	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/02/25 18:42	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/02/25 18:42	1
Cobalt	**0.00144**		0.000500	0.000170	mg/L		05/02/25 09:00	05/02/25 18:42	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-14B
Lab Sample ID: 310-305114-1
Date Collected: 04/23/25 10:30
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/02/25 18:42	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/02/25 18:42	1
Nickel	**0.00546**		0.00500	0.00230	mg/L		05/02/25 09:00	05/02/25 18:42	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/02/25 18:42	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/02/25 18:42	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/02/25 18:42	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/02/25 18:42	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/02/25 18:42	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 14:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/06/25 11:53	05/07/25 12:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		04/29/25 09:53	04/30/25 19:41	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			04/29/25 23:47	1
Total Suspended Solids (USGS I-3765-85)	**3.13**		1.88	1.31	mg/L			04/28/25 19:51	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-202A
Lab Sample ID: 310-305114-2
Date Collected: 04/23/25 12:48
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/29/25 11:31	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/29/25 11:31	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/29/25 11:31	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/29/25 11:31	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/29/25 11:31	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/29/25 11:31	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/29/25 11:31	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/29/25 11:31	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/29/25 11:31	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/29/25 11:31	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/29/25 11:31	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/29/25 11:31	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/29/25 11:31	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/29/25 11:31	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/29/25 11:31	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/29/25 11:31	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/29/25 11:31	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/29/25 11:31	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/29/25 11:31	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/29/25 11:31	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/29/25 11:31	1
Acetone	<10.0		10.0	3.10	ug/L			04/29/25 11:31	1
Acrolein	<10.0		10.0	3.60	ug/L			04/29/25 11:31	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/29/25 11:31	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/29/25 11:31	1
Benzene	<0.500		0.500	0.220	ug/L			04/29/25 11:31	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/29/25 11:31	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/29/25 11:31	1
Bromoform	<5.00		5.00	0.780	ug/L			04/29/25 11:31	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/29/25 11:31	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/29/25 11:31	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/29/25 11:31	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/29/25 11:31	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/29/25 11:31	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/29/25 11:31	1
Chloroform	<3.00		3.00	1.30	ug/L			04/29/25 11:31	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/29/25 11:31	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/29/25 11:31	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/29/25 11:31	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/29/25 11:31	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/29/25 11:31	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/29/25 11:31	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/29/25 11:31	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/29/25 11:31	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/29/25 11:31	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/29/25 11:31	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/29/25 11:31	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/29/25 11:31	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/29/25 11:31	1

Client Sample ID: MW-202A
Lab Sample ID: 310-305114-2
Date Collected: 04/23/25 12:48
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/29/25 11:31	1
Styrene	<1.00		1.00	0.370	ug/L			04/29/25 11:31	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/29/25 11:31	1
Toluene	<1.00		1.00	0.430	ug/L			04/29/25 11:31	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/29/25 11:31	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/29/25 11:31	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/29/25 11:31	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/29/25 11:31	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/29/25 11:31	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/29/25 11:31	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/29/25 11:31	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/29/25 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*118*		*76 - 130*		*04/29/25 11:31*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*04/29/25 11:31*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*04/29/25 11:31*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.4		10.4	0.667	ug/L		04/28/25 11:23	05/07/25 15:42	1
Acenaphthylene	<10.4		10.4	0.750	ug/L		04/28/25 11:23	05/07/25 15:42	1
Acetophenone	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/07/25 15:42	1
2-Acetylaminofluorene	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 15:42	1
4-Aminobiphenyl	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 15:42	1
Anthracene	<10.4		10.4	0.906	ug/L		04/28/25 11:23	05/07/25 15:42	1
Benzo[a]anthracene	<10.4		10.4	0.885	ug/L		04/28/25 11:23	05/07/25 15:42	1
Benzo[a]pyrene	<10.4		10.4	8.44	ug/L		04/28/25 11:23	05/07/25 15:42	1
Benzo[b]fluoranthene	<10.4		10.4	5.10	ug/L		04/28/25 11:23	05/07/25 15:42	1
Benzo[g,h,i]perylene	<10.4		10.4	6.56	ug/L		04/28/25 11:23	05/07/25 15:42	1
Benzo[k]fluoranthene	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 15:42	1
Benzyl alcohol	<10.4		10.4	1.35	ug/L		04/28/25 11:23	05/07/25 15:42	1
Bis(2-chloroethoxy)methane	<10.4		10.4	0.792	ug/L		04/28/25 11:23	05/07/25 15:42	1
Bis(2-chloroethyl)ether	<10.4		10.4	0.854	ug/L		04/28/25 11:23	05/07/25 15:42	1
bis (2-chloroisopropyl) ether	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/07/25 15:42	1
Bis(2-ethylhexyl) phthalate	<10.4		10.4	5.73	ug/L		04/28/25 11:23	05/07/25 15:42	1
4-Bromophenyl phenyl ether	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/07/25 15:42	1
Butyl benzyl phthalate	<10.4		10.4	5.63	ug/L		04/28/25 11:23	05/07/25 15:42	1
4-Chloroaniline	<10.4		10.4	0.646	ug/L		04/28/25 11:23	05/07/25 15:42	1
Chlorobenzilate	<10.4	*-	10.4	3.75	ug/L		04/28/25 11:23	05/07/25 15:42	1
4-Chloro-3-methylphenol	<10.4		10.4	0.875	ug/L		04/28/25 11:23	05/07/25 15:42	1
2-Chloronaphthalene	<10.4		10.4	0.667	ug/L		04/28/25 11:23	05/07/25 15:42	1
2-Chlorophenol	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/07/25 15:42	1
4-Chlorophenyl phenyl ether	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/07/25 15:42	1
Chrysene	<10.4		10.4	0.906	ug/L		04/28/25 11:23	05/07/25 15:42	1
Diallate	<10.4		10.4	4.17	ug/L		04/28/25 11:23	05/07/25 15:42	1
Dibenzo(a,h)anthracene	<10.4		10.4	4.06	ug/L		04/28/25 11:23	05/07/25 15:42	1
Dibenzofuran	<10.4		10.4	0.771	ug/L		04/28/25 11:23	05/07/25 15:42	1
3,3'-Dichlorobenzidine	<10.4		10.4	1.46	ug/L		04/28/25 11:23	05/07/25 15:42	1
2,4-Dichlorophenol	<10.4		10.4	0.885	ug/L		04/28/25 11:23	05/07/25 15:42	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-202A
Lab Sample ID: 310-305114-2
Date Collected: 04/23/25 12:48
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/07/25 15:42	1
Diethyl phthalate	<10.4		10.4	1.77	ug/L		04/28/25 11:23	05/07/25 15:42	1
Dimethoate	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 15:42	1
7,12-Dimethylbenz(a)anthracene	<10.4		10.4	1.98	ug/L		04/28/25 11:23	05/07/25 15:42	1
3,3'-Dimethylbenzidine	<10.4		10.4	1.56	ug/L		04/28/25 11:23	05/07/25 15:42	1
2,4-Dimethylphenol	<10.4		10.4	0.604	ug/L		04/28/25 11:23	05/07/25 15:42	1
Dimethyl phthalate	<10.4		10.4	1.04	ug/L		04/28/25 11:23	05/07/25 15:42	1
Di-n-butyl phthalate	<10.4		10.4	5.83	ug/L		04/28/25 11:23	05/07/25 15:42	1
1,3-Dinitrobenzene	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/07/25 15:42	1
4,6-Dinitro-2-methylphenol	<10.4		10.4	7.19	ug/L		04/28/25 11:23	05/07/25 15:42	1
2,4-Dinitrophenol	<20.8		20.8	13.5	ug/L		04/28/25 11:23	05/07/25 15:42	1
2,4-Dinitrotoluene	<10.4		10.4	6.67	ug/L		04/28/25 11:23	05/07/25 15:42	1
2,6-Dinitrotoluene	<10.4		10.4	0.542	ug/L		04/28/25 11:23	05/07/25 15:42	1
Di-n-octyl phthalate	<20.8		20.8	7.29	ug/L		04/28/25 11:23	05/07/25 15:42	1
Dinoseb	<10.4		10.4	2.50	ug/L		04/28/25 11:23	05/07/25 15:42	1
Diphenylamine	<10.4		10.4	6.25	ug/L		04/28/25 11:23	05/07/25 15:42	1
Disulfoton	<10.4		10.4	2.50	ug/L		04/28/25 11:23	05/07/25 15:42	1
Ethyl methanesulfonate	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 15:42	1
Ethyl Parathion	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 15:42	1
Famphur	<10.4		10.4	3.96	ug/L		04/28/25 11:23	05/09/25 11:27	1
Fluoranthene	<10.4		10.4	1.77	ug/L		04/28/25 11:23	05/07/25 15:42	1
Fluorene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/07/25 15:42	1
Hexachlorobenzene	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/07/25 15:42	1
Hexachlorobutadiene	<10.4		10.4	0.896	ug/L		04/28/25 11:23	05/07/25 15:42	1
Hexachlorocyclopentadiene	<10.4		10.4	5.31	ug/L		04/28/25 11:23	05/07/25 15:42	1
Hexachloroethane	<10.4		10.4	1.01	ug/L		04/28/25 11:23	05/07/25 15:42	1
Hexachloropropene	<10.4		10.4	2.71	ug/L		04/28/25 11:23	05/07/25 15:42	1
Indeno[1,2,3-cd]pyrene	<10.4		10.4	4.38	ug/L		04/28/25 11:23	05/07/25 15:42	1
Isodrin	<10.4		10.4	4.90	ug/L		04/28/25 11:23	05/07/25 15:42	1
Isophorone	<10.4		10.4	0.969	ug/L		04/28/25 11:23	05/07/25 15:42	1
Isosafrole	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/07/25 15:42	1
Kepone	<10.4	*+	10.4	1.04	ug/L		04/28/25 11:23	05/07/25 15:42	1
Methapyrilene	<10.4		10.4	0.792	ug/L		04/28/25 11:23	05/07/25 15:42	1
3-Methylcholanthrene	<10.4		10.4	0.333	ug/L		04/28/25 11:23	05/07/25 15:42	1
Methyl methanesulfonate	<10.4		10.4	3.44	ug/L		04/28/25 11:23	05/07/25 15:42	1
2-Methylnaphthalene	<10.4		10.4	0.615	ug/L		04/28/25 11:23	05/07/25 15:42	1
Methyl parathion	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/07/25 15:42	1
2-Methylphenol	<10.4		10.4	0.677	ug/L		04/28/25 11:23	05/07/25 15:42	1
Methylphenol, 3 & 4	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/07/25 15:42	1
1,4-Naphthoquinone	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 15:42	1
1-Naphthylamine	<10.4		10.4	2.60	ug/L		04/28/25 11:23	05/07/25 15:42	1
2-Naphthylamine	<10.4		10.4	2.19	ug/L		04/28/25 11:23	05/07/25 15:42	1
2-Nitroaniline	<10.4		10.4	6.15	ug/L		04/28/25 11:23	05/07/25 15:42	1
3-Nitroaniline	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 15:42	1
4-Nitroaniline	<10.4		10.4	1.35	ug/L		04/28/25 11:23	05/07/25 15:42	1
Nitrobenzene	<10.4		10.4	0.833	ug/L		04/28/25 11:23	05/07/25 15:42	1
5-Nitro-o-toluidine	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/07/25 15:42	1
2-Nitrophenol	<10.4		10.4	7.08	ug/L		04/28/25 11:23	05/07/25 15:42	1
4-Nitrophenol	<10.4		10.4	7.92	ug/L		04/28/25 11:23	05/07/25 15:42	1

Client Sample ID: MW-202A
Lab Sample ID: 310-305114-2
Date Collected: 04/23/25 12:48
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.4		10.4	3.54	ug/L		04/28/25 11:23	05/07/25 15:42	1
N-Nitrosodimethylamine	<10.4		10.4	0.750	ug/L		04/28/25 11:23	05/07/25 15:42	1
N-Nitrosodi-n-butylamine	<10.4		10.4	4.06	ug/L		04/28/25 11:23	05/07/25 15:42	1
N-Nitrosodi-n-propylamine	<10.4		10.4	0.958	ug/L		04/28/25 11:23	05/07/25 15:42	1
N-Nitrosodiphenylamine	<10.4		10.4	0.781	ug/L		04/28/25 11:23	05/07/25 15:42	1
N-Nitrosomethylethylamine	<10.4		10.4	5.10	ug/L		04/28/25 11:23	05/07/25 15:42	1
N-Nitrosopiperidine	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 15:42	1
N-Nitrosopyrrolidine	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 15:42	1
o,o',o''-Triethylphosphorothioate	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/07/25 15:42	1
o-Toluidine	<10.4		10.4	3.02	ug/L		04/28/25 11:23	05/07/25 15:42	1
p-Dimethylamino azobenzene	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 15:42	1
Pentachlorobenzene	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/07/25 15:42	1
Pentachloronitrobenzene	<10.4		10.4	6.04	ug/L		04/28/25 11:23	05/07/25 15:42	1
Pentachlorophenol	<10.4		10.4	10.0	ug/L		04/28/25 11:23	05/07/25 15:42	1
Phenacetin	<10.4		10.4	1.98	ug/L		04/28/25 11:23	05/07/25 15:42	1
Phenanthrene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/07/25 15:42	1
Phenol	<10.4		10.4	1.15	ug/L		04/28/25 11:23	05/07/25 15:42	1
1,4-phenylenediamine	<10.4	*-	10.4	1.98	ug/L		04/28/25 11:23	05/07/25 15:42	1
Phorate	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/07/25 15:42	1
Pronamide	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 15:42	1
Pyrene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/07/25 15:42	1
Safrole	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/07/25 15:42	1
1,2,4,5-Tetrachlorobenzene	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/07/25 15:42	1
2,3,4,6-Tetrachlorophenol	<10.4		10.4	5.52	ug/L		04/28/25 11:23	05/07/25 15:42	1
Thionazin	<10.4		10.4	3.65	ug/L		04/28/25 11:23	05/07/25 15:42	1
2,4,5-Trichlorophenol	<10.4		10.4	5.52	ug/L		04/28/25 11:23	05/07/25 15:42	1
2,4,6-Trichlorophenol	<10.4		10.4	5.21	ug/L		04/28/25 11:23	05/07/25 15:42	1
1,3,5-Trinitrobenzene	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/07/25 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*39 - 118*	*04/28/25 11:23*	*05/07/25 15:42*	*1*
2-Fluorophenol (Surr)	*62*		*25 - 110*	*04/28/25 11:23*	*05/07/25 15:42*	*1*
Nitrobenzene-d5 (Surr)	*87*		*45 - 129*	*04/28/25 11:23*	*05/07/25 15:42*	*1*
Phenol-d5 (Surr)	*55*		*21 - 110*	*04/28/25 11:23*	*05/07/25 15:42*	*1*
Terphenyl-d14 (Surr)	*86*		*12 - 144*	*04/28/25 11:23*	*05/07/25 15:42*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*27 - 136*	*04/28/25 11:23*	*05/07/25 15:42*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			04/28/25 15:38	1
Isobutanol	<10.0		10.0	2.40	mg/L			04/28/25 15:38	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0895		0.0895	0.0224	ug/L		04/28/25 10:59	05/01/25 13:49	1
4,4'-DDE	<0.0895		0.0895	0.0269	ug/L		04/28/25 10:59	05/01/25 13:49	1
4,4'-DDT	<0.0895		0.0895	0.0179	ug/L		04/28/25 10:59	05/01/25 13:49	1
Aldrin	<0.0895		0.0895	0.0197	ug/L		04/28/25 10:59	05/01/25 13:49	1
alpha-BHC	<0.0895		0.0895	0.00895	ug/L		04/28/25 10:59	05/01/25 13:49	1
beta-BHC	<0.0895		0.0895	0.0376	ug/L		04/28/25 10:59	05/01/25 13:49	1

Client Sample ID: MW-202A
Lab Sample ID: 310-305114-2
Date Collected: 04/23/25 12:48
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.79		1.79	0.349	ug/L		04/28/25 10:59	05/01/25 13:49	1
delta-BHC	<0.0895		0.0895	0.0286	ug/L		04/28/25 10:59	05/01/25 13:49	1
Dieldrin	<0.0895		0.0895	0.0188	ug/L		04/28/25 10:59	05/01/25 13:49	1
Endosulfan I	<0.0895		0.0895	0.0251	ug/L		04/28/25 10:59	05/01/25 13:49	1
Endosulfan II	<0.0895		0.0895	0.0233	ug/L		04/28/25 10:59	05/01/25 13:49	1
Endosulfan sulfate	<0.0895		0.0895	0.0161	ug/L		04/28/25 10:59	05/01/25 13:49	1
Endrin	<0.0895		0.0895	0.0251	ug/L		04/28/25 10:59	05/01/25 13:49	1
Endrin aldehyde	<0.0895		0.0895	0.0242	ug/L		04/28/25 10:59	05/01/25 13:49	1
gamma-BHC (Lindane)	<0.0895		0.0895	0.00895	ug/L		04/28/25 10:59	05/01/25 13:49	1
Heptachlor	<0.0895		0.0895	0.0206	ug/L		04/28/25 10:59	05/01/25 13:49	1
Heptachlor epoxide	<0.0895		0.0895	0.0286	ug/L		04/28/25 10:59	05/01/25 13:49	1
Methoxychlor	<0.0895		0.0895	0.0286	ug/L		04/28/25 10:59	05/01/25 13:49	1
Toxaphene	<1.79		1.79	0.895	ug/L		04/28/25 10:59	05/01/25 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*71*		*10 - 150*	*04/28/25 10:59*	*05/01/25 13:49*	*1*
Tetrachloro-m-xylene	*63*		*17 - 150*	*04/28/25 10:59*	*05/01/25 13:49*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.79		1.79	0.734	ug/L		04/28/25 10:59	05/01/25 13:49	1
PCB-1221	<1.79		1.79	0.734	ug/L		04/28/25 10:59	05/01/25 13:49	1
PCB-1232	<1.79		1.79	0.734	ug/L		04/28/25 10:59	05/01/25 13:49	1
PCB-1242	<1.79		1.79	0.734	ug/L		04/28/25 10:59	05/01/25 13:49	1
PCB-1248	<1.79		1.79	0.618	ug/L		04/28/25 10:59	05/01/25 13:49	1
PCB-1254	<1.79		1.79	0.618	ug/L		04/28/25 10:59	05/01/25 13:49	1
PCB-1260	<1.79		1.79	0.618	ug/L		04/28/25 10:59	05/01/25 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*10 - 150*	*04/28/25 10:59*	*05/01/25 13:49*	*1*
Tetrachloro-m-xylene	*85*		*17 - 150*	*04/28/25 10:59*	*05/01/25 13:49*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.664		0.664	0.277	ug/L		04/30/25 15:32	05/01/25 11:01	1
Silvex (2,4,5-TP)	<0.0553	*-	0.0553	0.0243	ug/L		04/30/25 15:32	05/01/25 11:01	1
2,4,5-T	<0.166		0.166	0.0719	ug/L		04/30/25 15:32	05/01/25 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*66*		*34 - 142*	*04/30/25 15:32*	*05/01/25 11:01*	*1*
DCAA	*61*		*34 - 142*	*04/30/25 15:32*	*05/01/25 11:01*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 13:45	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/02/25 09:00	05/02/25 18:13	1
Barium	**0.290**		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 13:45	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/02/25 18:13	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/02/25 18:13	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/02/25 18:13	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/02/25 18:13	1

Client Sample ID: MW-202A
Lab Sample ID: 310-305114-2
Date Collected: 04/23/25 12:48
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/02/25 18:13	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/02/25 18:13	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/02/25 18:13	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/02/25 18:13	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/02/25 18:13	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/02/25 18:13	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/02/25 18:13	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/02/25 18:13	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 13:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/06/25 11:53	05/07/25 12:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		04/29/25 09:53	04/30/25 19:38	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			04/29/25 23:57	1
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			04/28/25 19:51	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-17A-00
Lab Sample ID: 310-305114-3
Date Collected: 04/23/25 13:45
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/29/25 11:54	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/29/25 11:54	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/29/25 11:54	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/29/25 11:54	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/29/25 11:54	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/29/25 11:54	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/29/25 11:54	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/29/25 11:54	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/29/25 11:54	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/29/25 11:54	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/29/25 11:54	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/29/25 11:54	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/29/25 11:54	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/29/25 11:54	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/29/25 11:54	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/29/25 11:54	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/29/25 11:54	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/29/25 11:54	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/29/25 11:54	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/29/25 11:54	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/29/25 11:54	1
Acetone	<10.0		10.0	3.10	ug/L			04/29/25 11:54	1
Acrolein	<10.0		10.0	3.60	ug/L			04/29/25 11:54	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/29/25 11:54	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/29/25 11:54	1
Benzene	<0.500		0.500	0.220	ug/L			04/29/25 11:54	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/29/25 11:54	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/29/25 11:54	1
Bromoform	<5.00		5.00	0.780	ug/L			04/29/25 11:54	1
Dichlorodifluoromethane	**0.256**	**J**	3.00	0.250	ug/L			05/07/25 00:34	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/29/25 11:54	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/29/25 11:54	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/29/25 11:54	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/29/25 11:54	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/29/25 11:54	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/29/25 11:54	1
Chloroform	<3.00		3.00	1.30	ug/L			04/29/25 11:54	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/29/25 11:54	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/29/25 11:54	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/29/25 11:54	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/29/25 11:54	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/29/25 11:54	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/29/25 11:54	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/29/25 11:54	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/29/25 11:54	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/29/25 11:54	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/29/25 11:54	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/29/25 11:54	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/29/25 11:54	1

Client Sample ID: MW-17A-00
Lab Sample ID: 310-305114-3
Date Collected: 04/23/25 13:45
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/29/25 11:54	1
Styrene	<1.00		1.00	0.370	ug/L			04/29/25 11:54	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/29/25 11:54	1
Toluene	<1.00		1.00	0.430	ug/L			04/29/25 11:54	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/29/25 11:54	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/29/25 11:54	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/29/25 11:54	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/29/25 11:54	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/29/25 11:54	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/29/25 11:54	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/29/25 11:54	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/29/25 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*05/07/25 00:34*	*1*
Dibromofluoromethane (Surr)	*120*		*76 - 130*		*05/07/25 00:34*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/07/25 00:34*	*1*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*04/29/25 11:54*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/29/25 11:54*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*04/29/25 11:54*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.4		10.4	0.667	ug/L		04/28/25 11:23	05/07/25 16:08	1
Acenaphthylene	<10.4		10.4	0.750	ug/L		04/28/25 11:23	05/07/25 16:08	1
Acetophenone	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/07/25 16:08	1
2-Acetylaminofluorene	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 16:08	1
4-Aminobiphenyl	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 16:08	1
Anthracene	<10.4		10.4	0.906	ug/L		04/28/25 11:23	05/07/25 16:08	1
Benzo[a]anthracene	<10.4		10.4	0.885	ug/L		04/28/25 11:23	05/07/25 16:08	1
Benzo[a]pyrene	<10.4		10.4	8.44	ug/L		04/28/25 11:23	05/07/25 16:08	1
Benzo[b]fluoranthene	<10.4		10.4	5.10	ug/L		04/28/25 11:23	05/07/25 16:08	1
Benzo[g,h,i]perylene	<10.4		10.4	6.56	ug/L		04/28/25 11:23	05/07/25 16:08	1
Benzo[k]fluoranthene	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 16:08	1
Benzyl alcohol	<10.4		10.4	1.35	ug/L		04/28/25 11:23	05/07/25 16:08	1
Bis(2-chloroethoxy)methane	<10.4		10.4	0.792	ug/L		04/28/25 11:23	05/07/25 16:08	1
Bis(2-chloroethyl)ether	<10.4		10.4	0.854	ug/L		04/28/25 11:23	05/07/25 16:08	1
bis (2-chloroisopropyl) ether	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/07/25 16:08	1
Bis(2-ethylhexyl) phthalate	<10.4		10.4	5.73	ug/L		04/28/25 11:23	05/07/25 16:08	1
4-Bromophenyl phenyl ether	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/07/25 16:08	1
Butyl benzyl phthalate	<10.4		10.4	5.63	ug/L		04/28/25 11:23	05/07/25 16:08	1
4-Chloroaniline	<10.4		10.4	0.646	ug/L		04/28/25 11:23	05/07/25 16:08	1
Chlorobenzilate	<10.4	*-	10.4	3.75	ug/L		04/28/25 11:23	05/07/25 16:08	1
4-Chloro-3-methylphenol	<10.4		10.4	0.875	ug/L		04/28/25 11:23	05/07/25 16:08	1
2-Chloronaphthalene	<10.4		10.4	0.667	ug/L		04/28/25 11:23	05/07/25 16:08	1
2-Chlorophenol	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/07/25 16:08	1
4-Chlorophenyl phenyl ether	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/07/25 16:08	1
Chrysene	<10.4		10.4	0.906	ug/L		04/28/25 11:23	05/07/25 16:08	1
Diallate	<10.4		10.4	4.17	ug/L		04/28/25 11:23	05/07/25 16:08	1
Dibenzo(a,h)anthracene	<10.4		10.4	4.06	ug/L		04/28/25 11:23	05/07/25 16:08	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-17A-00
Lab Sample ID: 310-305114-3
Date Collected: 04/23/25 13:45
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<10.4		10.4	0.771	ug/L		04/28/25 11:23	05/07/25 16:08	1
3,3'-Dichlorobenzidine	<10.4		10.4	1.46	ug/L		04/28/25 11:23	05/07/25 16:08	1
2,4-Dichlorophenol	<10.4		10.4	0.885	ug/L		04/28/25 11:23	05/07/25 16:08	1
2,6-Dichlorophenol	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/07/25 16:08	1
Diethyl phthalate	<10.4		10.4	1.77	ug/L		04/28/25 11:23	05/07/25 16:08	1
Dimethoate	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 16:08	1
7,12-Dimethylbenz(a)anthracene	<10.4		10.4	1.98	ug/L		04/28/25 11:23	05/07/25 16:08	1
3,3'-Dimethylbenzidine	<10.4		10.4	1.56	ug/L		04/28/25 11:23	05/07/25 16:08	1
2,4-Dimethylphenol	<10.4		10.4	0.604	ug/L		04/28/25 11:23	05/07/25 16:08	1
Dimethyl phthalate	<10.4		10.4	1.04	ug/L		04/28/25 11:23	05/07/25 16:08	1
Di-n-butyl phthalate	<10.4		10.4	5.83	ug/L		04/28/25 11:23	05/07/25 16:08	1
1,3-Dinitrobenzene	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/07/25 16:08	1
4,6-Dinitro-2-methylphenol	<10.4		10.4	7.19	ug/L		04/28/25 11:23	05/07/25 16:08	1
2,4-Dinitrophenol	<20.8		20.8	13.5	ug/L		04/28/25 11:23	05/07/25 16:08	1
2,4-Dinitrotoluene	<10.4		10.4	6.67	ug/L		04/28/25 11:23	05/07/25 16:08	1
2,6-Dinitrotoluene	<10.4		10.4	0.542	ug/L		04/28/25 11:23	05/07/25 16:08	1
Di-n-octyl phthalate	<20.8		20.8	7.29	ug/L		04/28/25 11:23	05/07/25 16:08	1
Dinoseb	<10.4		10.4	2.50	ug/L		04/28/25 11:23	05/07/25 16:08	1
Diphenylamine	<10.4		10.4	6.25	ug/L		04/28/25 11:23	05/07/25 16:08	1
Disulfoton	<10.4		10.4	2.50	ug/L		04/28/25 11:23	05/07/25 16:08	1
Ethyl methanesulfonate	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 16:08	1
Ethyl Parathion	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 16:08	1
Famphur	<10.4		10.4	3.96	ug/L		04/28/25 11:23	05/09/25 11:46	1
Fluoranthene	<10.4		10.4	1.77	ug/L		04/28/25 11:23	05/07/25 16:08	1
Fluorene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/07/25 16:08	1
Hexachlorobenzene	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/07/25 16:08	1
Hexachlorobutadiene	<10.4		10.4	0.896	ug/L		04/28/25 11:23	05/07/25 16:08	1
Hexachlorocyclopentadiene	<10.4		10.4	5.31	ug/L		04/28/25 11:23	05/07/25 16:08	1
Hexachloroethane	<10.4		10.4	1.01	ug/L		04/28/25 11:23	05/07/25 16:08	1
Hexachloropropene	<10.4		10.4	2.71	ug/L		04/28/25 11:23	05/07/25 16:08	1
Indeno[1,2,3-cd]pyrene	<10.4		10.4	4.38	ug/L		04/28/25 11:23	05/07/25 16:08	1
Isodrin	<10.4		10.4	4.90	ug/L		04/28/25 11:23	05/07/25 16:08	1
Isophorone	<10.4		10.4	0.969	ug/L		04/28/25 11:23	05/07/25 16:08	1
Isosafrole	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/07/25 16:08	1
Kepone	<10.4	*+	10.4	1.04	ug/L		04/28/25 11:23	05/07/25 16:08	1
Methapyrilene	<10.4		10.4	0.792	ug/L		04/28/25 11:23	05/07/25 16:08	1
3-Methylcholanthrene	<10.4		10.4	0.333	ug/L		04/28/25 11:23	05/07/25 16:08	1
Methyl methanesulfonate	<10.4		10.4	3.44	ug/L		04/28/25 11:23	05/07/25 16:08	1
2-Methylnaphthalene	<10.4		10.4	0.615	ug/L		04/28/25 11:23	05/07/25 16:08	1
Methyl parathion	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/07/25 16:08	1
2-Methylphenol	<10.4		10.4	0.677	ug/L		04/28/25 11:23	05/07/25 16:08	1
Methylphenol, 3 & 4	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/07/25 16:08	1
1,4-Naphthoquinone	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 16:08	1
1-Naphthylamine	<10.4		10.4	2.60	ug/L		04/28/25 11:23	05/07/25 16:08	1
2-Naphthylamine	<10.4		10.4	2.19	ug/L		04/28/25 11:23	05/07/25 16:08	1
2-Nitroaniline	<10.4		10.4	6.15	ug/L		04/28/25 11:23	05/07/25 16:08	1
3-Nitroaniline	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 16:08	1
4-Nitroaniline	<10.4		10.4	1.35	ug/L		04/28/25 11:23	05/07/25 16:08	1
Nitrobenzene	<10.4		10.4	0.833	ug/L		04/28/25 11:23	05/07/25 16:08	1

Client Sample ID: MW-17A-00
Lab Sample ID: 310-305114-3
Date Collected: 04/23/25 13:45
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5-Nitro-o-toluidine	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/07/25 16:08	1
2-Nitrophenol	<10.4		10.4	7.08	ug/L		04/28/25 11:23	05/07/25 16:08	1
4-Nitrophenol	<10.4		10.4	7.92	ug/L		04/28/25 11:23	05/07/25 16:08	1
N-Nitrosodiethylamine	<10.4		10.4	3.54	ug/L		04/28/25 11:23	05/07/25 16:08	1
N-Nitrosodimethylamine	<10.4		10.4	0.750	ug/L		04/28/25 11:23	05/07/25 16:08	1
N-Nitrosodi-n-butylamine	<10.4		10.4	4.06	ug/L		04/28/25 11:23	05/07/25 16:08	1
N-Nitrosodi-n-propylamine	<10.4		10.4	0.958	ug/L		04/28/25 11:23	05/07/25 16:08	1
N-Nitrosodiphenylamine	<10.4		10.4	0.781	ug/L		04/28/25 11:23	05/07/25 16:08	1
N-Nitrosomethylethylamine	<10.4		10.4	5.10	ug/L		04/28/25 11:23	05/07/25 16:08	1
N-Nitrosopiperidine	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 16:08	1
N-Nitrosopyrrolidine	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 16:08	1
o,o',o''-Triethylphosphorothioate	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/07/25 16:08	1
o-Toluidine	<10.4		10.4	3.02	ug/L		04/28/25 11:23	05/07/25 16:08	1
p-Dimethylamino azobenzene	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 16:08	1
Pentachlorobenzene	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/07/25 16:08	1
Pentachloronitrobenzene	<10.4		10.4	6.04	ug/L		04/28/25 11:23	05/07/25 16:08	1
Pentachlorophenol	<10.4		10.4	10.0	ug/L		04/28/25 11:23	05/07/25 16:08	1
Phenacetin	<10.4		10.4	1.98	ug/L		04/28/25 11:23	05/07/25 16:08	1
Phenanthrene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/07/25 16:08	1
Phenol	<10.4		10.4	1.15	ug/L		04/28/25 11:23	05/07/25 16:08	1
1,4-phenylenediamine	<10.4	*-	10.4	1.98	ug/L		04/28/25 11:23	05/07/25 16:08	1
Phorate	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/07/25 16:08	1
Pronamide	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 16:08	1
Pyrene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/07/25 16:08	1
Safrole	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/07/25 16:08	1
1,2,4,5-Tetrachlorobenzene	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/07/25 16:08	1
2,3,4,6-Tetrachlorophenol	<10.4		10.4	5.52	ug/L		04/28/25 11:23	05/07/25 16:08	1
Thionazin	<10.4		10.4	3.65	ug/L		04/28/25 11:23	05/07/25 16:08	1
2,4,5-Trichlorophenol	<10.4		10.4	5.52	ug/L		04/28/25 11:23	05/07/25 16:08	1
2,4,6-Trichlorophenol	<10.4		10.4	5.21	ug/L		04/28/25 11:23	05/07/25 16:08	1
1,3,5-Trinitrobenzene	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/07/25 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*39 - 118*	*04/28/25 11:23*	*05/07/25 16:08*	*1*
2-Fluorophenol (Surr)	*61*		*25 - 110*	*04/28/25 11:23*	*05/07/25 16:08*	*1*
Nitrobenzene-d5 (Surr)	*88*		*45 - 129*	*04/28/25 11:23*	*05/07/25 16:08*	*1*
Phenol-d5 (Surr)	*56*		*21 - 110*	*04/28/25 11:23*	*05/07/25 16:08*	*1*
Terphenyl-d14 (Surr)	*93*		*12 - 144*	*04/28/25 11:23*	*05/07/25 16:08*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*27 - 136*	*04/28/25 11:23*	*05/07/25 16:08*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			04/28/25 15:58	1
Isobutanol	<10.0		10.0	2.40	mg/L			04/28/25 15:58	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0909		0.0909	0.0227	ug/L		04/28/25 10:59	05/01/25 14:02	1
4,4'-DDE	<0.0909		0.0909	0.0273	ug/L		04/28/25 10:59	05/01/25 14:02	1
4,4'-DDT	<0.0909		0.0909	0.0182	ug/L		04/28/25 10:59	05/01/25 14:02	1

Client Sample ID: MW-17A-00
Lab Sample ID: 310-305114-3
Date Collected: 04/23/25 13:45
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0909		0.0909	0.0200	ug/L		04/28/25 10:59	05/01/25 14:02	1
alpha-BHC	<0.0909		0.0909	0.00909	ug/L		04/28/25 10:59	05/01/25 14:02	1
beta-BHC	<0.0909		0.0909	0.0382	ug/L		04/28/25 10:59	05/01/25 14:02	1
Chlordane (technical)	<1.82		1.82	0.355	ug/L		04/28/25 10:59	05/01/25 14:02	1
delta-BHC	<0.0909		0.0909	0.0291	ug/L		04/28/25 10:59	05/01/25 14:02	1
Dieldrin	<0.0909		0.0909	0.0191	ug/L		04/28/25 10:59	05/01/25 14:02	1
Endosulfan I	<0.0909		0.0909	0.0255	ug/L		04/28/25 10:59	05/01/25 14:02	1
Endosulfan II	<0.0909		0.0909	0.0236	ug/L		04/28/25 10:59	05/01/25 14:02	1
Endosulfan sulfate	<0.0909		0.0909	0.0164	ug/L		04/28/25 10:59	05/01/25 14:02	1
Endrin	<0.0909		0.0909	0.0255	ug/L		04/28/25 10:59	05/01/25 14:02	1
Endrin aldehyde	<0.0909		0.0909	0.0245	ug/L		04/28/25 10:59	05/01/25 14:02	1
gamma-BHC (Lindane)	<0.0909		0.0909	0.00909	ug/L		04/28/25 10:59	05/01/25 14:02	1
Heptachlor	<0.0909		0.0909	0.0209	ug/L		04/28/25 10:59	05/01/25 14:02	1
Heptachlor epoxide	<0.0909		0.0909	0.0291	ug/L		04/28/25 10:59	05/01/25 14:02	1
Methoxychlor	<0.0909		0.0909	0.0291	ug/L		04/28/25 10:59	05/01/25 14:02	1
Toxaphene	<1.82		1.82	0.909	ug/L		04/28/25 10:59	05/01/25 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*62*		*10 - 150*	*04/28/25 10:59*	*05/01/25 14:02*	*1*
Tetrachloro-m-xylene	*74*		*17 - 150*	*04/28/25 10:59*	*05/01/25 14:02*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.82		1.82	0.745	ug/L		04/28/25 10:59	05/01/25 14:02	1
PCB-1221	<1.82		1.82	0.745	ug/L		04/28/25 10:59	05/01/25 14:02	1
PCB-1232	<1.82		1.82	0.745	ug/L		04/28/25 10:59	05/01/25 14:02	1
PCB-1242	<1.82		1.82	0.745	ug/L		04/28/25 10:59	05/01/25 14:02	1
PCB-1248	<1.82		1.82	0.627	ug/L		04/28/25 10:59	05/01/25 14:02	1
PCB-1254	<1.82		1.82	0.627	ug/L		04/28/25 10:59	05/01/25 14:02	1
PCB-1260	<1.82		1.82	0.627	ug/L		04/28/25 10:59	05/01/25 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*61*		*10 - 150*	*04/28/25 10:59*	*05/01/25 14:02*	*1*
Tetrachloro-m-xylene	*81*		*17 - 150*	*04/28/25 10:59*	*05/01/25 14:02*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.645		0.645	0.269	ug/L		04/30/25 15:32	05/01/25 12:55	1
Silvex (2,4,5-TP)	<0.0538	*-	0.0538	0.0237	ug/L		04/30/25 15:32	05/01/25 12:55	1
2,4,5-T	<0.161		0.161	0.0699	ug/L		04/30/25 15:32	05/01/25 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*48*		*34 - 142*	*04/30/25 15:32*	*05/01/25 12:55*	*1*
DCAA	*42*		*34 - 142*	*04/30/25 15:32*	*05/01/25 12:55*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 13:47	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/02/25 09:00	05/02/25 18:25	1
Barium	**0.481**		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 13:47	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/05/25 13:47	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-17A-00
Lab Sample ID: 310-305114-3
Date Collected: 04/23/25 13:45
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/02/25 18:25	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/02/25 18:25	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/02/25 18:25	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/02/25 18:25	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/02/25 18:25	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/02/25 18:25	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/02/25 18:25	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/02/25 18:25	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/02/25 18:25	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/02/25 18:25	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/02/25 18:25	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 13:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/06/25 11:53	05/07/25 12:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		04/29/25 09:53	04/30/25 19:33	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			04/30/25 00:00	1
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			04/28/25 19:51	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-214A
Lab Sample ID: 310-305114-4
Date Collected: 04/23/25 15:00
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/29/25 12:16	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/29/25 12:16	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/29/25 12:16	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/29/25 12:16	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/29/25 12:16	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/29/25 12:16	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/29/25 12:16	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/29/25 12:16	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/29/25 12:16	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/29/25 12:16	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/29/25 12:16	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/29/25 12:16	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/29/25 12:16	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/29/25 12:16	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/29/25 12:16	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/29/25 12:16	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/29/25 12:16	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/29/25 12:16	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/29/25 12:16	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/29/25 12:16	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/29/25 12:16	1
Acetone	<10.0		10.0	3.10	ug/L			04/29/25 12:16	1
Acrolein	<10.0		10.0	3.60	ug/L			04/29/25 12:16	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/29/25 12:16	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/29/25 12:16	1
Benzene	<0.500		0.500	0.220	ug/L			04/29/25 12:16	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/29/25 12:16	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/29/25 12:16	1
Bromoform	<5.00		5.00	0.780	ug/L			04/29/25 12:16	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/29/25 12:16	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/29/25 12:16	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/29/25 12:16	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/29/25 12:16	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/29/25 12:16	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/29/25 12:16	1
Chloroform	<3.00		3.00	1.30	ug/L			04/29/25 12:16	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/29/25 12:16	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/29/25 12:16	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/29/25 12:16	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/29/25 12:16	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/29/25 12:16	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/29/25 12:16	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/29/25 12:16	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/29/25 12:16	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/29/25 12:16	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/29/25 12:16	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/29/25 12:16	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/29/25 12:16	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/29/25 12:16	1

Client Sample ID: MW-214A
Lab Sample ID: 310-305114-4
Date Collected: 04/23/25 15:00
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/29/25 12:16	1
Styrene	<1.00		1.00	0.370	ug/L			04/29/25 12:16	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/29/25 12:16	1
Toluene	<1.00		1.00	0.430	ug/L			04/29/25 12:16	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/29/25 12:16	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/29/25 12:16	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/29/25 12:16	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/29/25 12:16	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/29/25 12:16	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/29/25 12:16	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/29/25 12:16	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/29/25 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*04/29/25 12:16*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/29/25 12:16*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*04/29/25 12:16*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.4		10.4	0.667	ug/L		04/28/25 11:23	05/07/25 16:35	1
Acenaphthylene	<10.4		10.4	0.750	ug/L		04/28/25 11:23	05/07/25 16:35	1
Acetophenone	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/07/25 16:35	1
2-Acetylaminofluorene	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 16:35	1
4-Aminobiphenyl	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 16:35	1
Anthracene	<10.4		10.4	0.906	ug/L		04/28/25 11:23	05/07/25 16:35	1
Benzo[a]anthracene	<10.4		10.4	0.885	ug/L		04/28/25 11:23	05/07/25 16:35	1
Benzo[a]pyrene	<10.4		10.4	8.44	ug/L		04/28/25 11:23	05/07/25 16:35	1
Benzo[b]fluoranthene	<10.4		10.4	5.10	ug/L		04/28/25 11:23	05/07/25 16:35	1
Benzo[g,h,i]perylene	<10.4		10.4	6.56	ug/L		04/28/25 11:23	05/07/25 16:35	1
Benzo[k]fluoranthene	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 16:35	1
Benzyl alcohol	<10.4		10.4	1.35	ug/L		04/28/25 11:23	05/07/25 16:35	1
Bis(2-chloroethoxy)methane	<10.4		10.4	0.792	ug/L		04/28/25 11:23	05/07/25 16:35	1
Bis(2-chloroethyl)ether	<10.4		10.4	0.854	ug/L		04/28/25 11:23	05/07/25 16:35	1
bis (2-chloroisopropyl) ether	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/07/25 16:35	1
Bis(2-ethylhexyl) phthalate	<10.4		10.4	5.73	ug/L		04/28/25 11:23	05/07/25 16:35	1
4-Bromophenyl phenyl ether	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/07/25 16:35	1
Butyl benzyl phthalate	<10.4		10.4	5.63	ug/L		04/28/25 11:23	05/07/25 16:35	1
4-Chloroaniline	<10.4		10.4	0.646	ug/L		04/28/25 11:23	05/07/25 16:35	1
Chlorobenzilate	<10.4	*-	10.4	3.75	ug/L		04/28/25 11:23	05/07/25 16:35	1
4-Chloro-3-methylphenol	<10.4		10.4	0.875	ug/L		04/28/25 11:23	05/07/25 16:35	1
2-Chloronaphthalene	<10.4		10.4	0.667	ug/L		04/28/25 11:23	05/07/25 16:35	1
2-Chlorophenol	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/07/25 16:35	1
4-Chlorophenyl phenyl ether	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/07/25 16:35	1
Chrysene	<10.4		10.4	0.906	ug/L		04/28/25 11:23	05/07/25 16:35	1
Diallate	<10.4		10.4	4.17	ug/L		04/28/25 11:23	05/07/25 16:35	1
Dibenzo(a,h)anthracene	<10.4		10.4	4.06	ug/L		04/28/25 11:23	05/07/25 16:35	1
Dibenzofuran	<10.4		10.4	0.771	ug/L		04/28/25 11:23	05/07/25 16:35	1
3,3'-Dichlorobenzidine	<10.4		10.4	1.46	ug/L		04/28/25 11:23	05/07/25 16:35	1
2,4-Dichlorophenol	<10.4		10.4	0.885	ug/L		04/28/25 11:23	05/07/25 16:35	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-214A
Lab Sample ID: 310-305114-4
Date Collected: 04/23/25 15:00
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/07/25 16:35	1
Diethyl phthalate	<10.4		10.4	1.77	ug/L		04/28/25 11:23	05/07/25 16:35	1
Dimethoate	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 16:35	1
7,12-Dimethylbenz(a)anthracene	<10.4		10.4	1.98	ug/L		04/28/25 11:23	05/07/25 16:35	1
3,3'-Dimethylbenzidine	<10.4		10.4	1.56	ug/L		04/28/25 11:23	05/07/25 16:35	1
2,4-Dimethylphenol	<10.4		10.4	0.604	ug/L		04/28/25 11:23	05/07/25 16:35	1
Dimethyl phthalate	<10.4		10.4	1.04	ug/L		04/28/25 11:23	05/07/25 16:35	1
Di-n-butyl phthalate	<10.4		10.4	5.83	ug/L		04/28/25 11:23	05/07/25 16:35	1
1,3-Dinitrobenzene	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/07/25 16:35	1
4,6-Dinitro-2-methylphenol	<10.4		10.4	7.19	ug/L		04/28/25 11:23	05/07/25 16:35	1
2,4-Dinitrophenol	<20.8		20.8	13.5	ug/L		04/28/25 11:23	05/07/25 16:35	1
2,4-Dinitrotoluene	<10.4		10.4	6.67	ug/L		04/28/25 11:23	05/07/25 16:35	1
2,6-Dinitrotoluene	<10.4		10.4	0.542	ug/L		04/28/25 11:23	05/07/25 16:35	1
Di-n-octyl phthalate	<20.8		20.8	7.29	ug/L		04/28/25 11:23	05/07/25 16:35	1
Dinoseb	<10.4		10.4	2.50	ug/L		04/28/25 11:23	05/07/25 16:35	1
Diphenylamine	<10.4		10.4	6.25	ug/L		04/28/25 11:23	05/07/25 16:35	1
Disulfoton	<10.4		10.4	2.50	ug/L		04/28/25 11:23	05/07/25 16:35	1
Ethyl methanesulfonate	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 16:35	1
Ethyl Parathion	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 16:35	1
Famphur	<10.4		10.4	3.96	ug/L		04/28/25 11:23	05/09/25 12:06	1
Fluoranthene	<10.4		10.4	1.77	ug/L		04/28/25 11:23	05/07/25 16:35	1
Fluorene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/07/25 16:35	1
Hexachlorobenzene	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/07/25 16:35	1
Hexachlorobutadiene	<10.4		10.4	0.896	ug/L		04/28/25 11:23	05/07/25 16:35	1
Hexachlorocyclopentadiene	<10.4		10.4	5.31	ug/L		04/28/25 11:23	05/07/25 16:35	1
Hexachloroethane	<10.4		10.4	1.01	ug/L		04/28/25 11:23	05/07/25 16:35	1
Hexachloropropene	<10.4		10.4	2.71	ug/L		04/28/25 11:23	05/07/25 16:35	1
Indeno[1,2,3-cd]pyrene	<10.4		10.4	4.38	ug/L		04/28/25 11:23	05/07/25 16:35	1
Isodrin	<10.4		10.4	4.90	ug/L		04/28/25 11:23	05/07/25 16:35	1
Isophorone	<10.4		10.4	0.969	ug/L		04/28/25 11:23	05/07/25 16:35	1
Isosafrole	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/07/25 16:35	1
Kepone	<10.4	*+	10.4	1.04	ug/L		04/28/25 11:23	05/07/25 16:35	1
Methapyrilene	<10.4		10.4	0.792	ug/L		04/28/25 11:23	05/07/25 16:35	1
3-Methylcholanthrene	<10.4		10.4	0.333	ug/L		04/28/25 11:23	05/07/25 16:35	1
Methyl methanesulfonate	<10.4		10.4	3.44	ug/L		04/28/25 11:23	05/07/25 16:35	1
2-Methylnaphthalene	<10.4		10.4	0.615	ug/L		04/28/25 11:23	05/07/25 16:35	1
Methyl parathion	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/07/25 16:35	1
2-Methylphenol	<10.4		10.4	0.677	ug/L		04/28/25 11:23	05/07/25 16:35	1
Methylphenol, 3 & 4	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/07/25 16:35	1
1,4-Naphthoquinone	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 16:35	1
1-Naphthylamine	<10.4		10.4	2.60	ug/L		04/28/25 11:23	05/07/25 16:35	1
2-Naphthylamine	<10.4		10.4	2.19	ug/L		04/28/25 11:23	05/07/25 16:35	1
2-Nitroaniline	<10.4		10.4	6.15	ug/L		04/28/25 11:23	05/07/25 16:35	1
3-Nitroaniline	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 16:35	1
4-Nitroaniline	<10.4		10.4	1.35	ug/L		04/28/25 11:23	05/07/25 16:35	1
Nitrobenzene	<10.4		10.4	0.833	ug/L		04/28/25 11:23	05/07/25 16:35	1
5-Nitro-o-toluidine	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/07/25 16:35	1
2-Nitrophenol	<10.4		10.4	7.08	ug/L		04/28/25 11:23	05/07/25 16:35	1
4-Nitrophenol	<10.4		10.4	7.92	ug/L		04/28/25 11:23	05/07/25 16:35	1

Client Sample ID: MW-214A
Lab Sample ID: 310-305114-4
Date Collected: 04/23/25 15:00
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.4		10.4	3.54	ug/L		04/28/25 11:23	05/07/25 16:35	1
N-Nitrosodimethylamine	<10.4		10.4	0.750	ug/L		04/28/25 11:23	05/07/25 16:35	1
N-Nitrosodi-n-butylamine	<10.4		10.4	4.06	ug/L		04/28/25 11:23	05/07/25 16:35	1
N-Nitrosodi-n-propylamine	<10.4		10.4	0.958	ug/L		04/28/25 11:23	05/07/25 16:35	1
N-Nitrosodiphenylamine	<10.4		10.4	0.781	ug/L		04/28/25 11:23	05/07/25 16:35	1
N-Nitrosomethylethylamine	<10.4		10.4	5.10	ug/L		04/28/25 11:23	05/07/25 16:35	1
N-Nitrosopiperidine	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 16:35	1
N-Nitrosopyrrolidine	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/07/25 16:35	1
o,o',o''-Triethylphosphorothioate	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/07/25 16:35	1
o-Toluidine	<10.4		10.4	3.02	ug/L		04/28/25 11:23	05/07/25 16:35	1
p-Dimethylamino azobenzene	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/07/25 16:35	1
Pentachlorobenzene	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/07/25 16:35	1
Pentachloronitrobenzene	<10.4		10.4	6.04	ug/L		04/28/25 11:23	05/07/25 16:35	1
Pentachlorophenol	<10.4		10.4	10.0	ug/L		04/28/25 11:23	05/07/25 16:35	1
Phenacetin	<10.4		10.4	1.98	ug/L		04/28/25 11:23	05/07/25 16:35	1
Phenanthrene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/07/25 16:35	1
Phenol	<10.4		10.4	1.15	ug/L		04/28/25 11:23	05/07/25 16:35	1
1,4-phenylenediamine	<10.4	*-	10.4	1.98	ug/L		04/28/25 11:23	05/07/25 16:35	1
Phorate	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/07/25 16:35	1
Pronamide	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/07/25 16:35	1
Pyrene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/07/25 16:35	1
Safrole	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/07/25 16:35	1
1,2,4,5-Tetrachlorobenzene	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/07/25 16:35	1
2,3,4,6-Tetrachlorophenol	<10.4		10.4	5.52	ug/L		04/28/25 11:23	05/07/25 16:35	1
Thionazin	<10.4		10.4	3.65	ug/L		04/28/25 11:23	05/07/25 16:35	1
2,4,5-Trichlorophenol	<10.4		10.4	5.52	ug/L		04/28/25 11:23	05/07/25 16:35	1
2,4,6-Trichlorophenol	<10.4		10.4	5.21	ug/L		04/28/25 11:23	05/07/25 16:35	1
1,3,5-Trinitrobenzene	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/07/25 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*39 - 118*	*04/28/25 11:23*	*05/07/25 16:35*	*1*
2-Fluorophenol (Surr)	*57*		*25 - 110*	*04/28/25 11:23*	*05/07/25 16:35*	*1*
Nitrobenzene-d5 (Surr)	*82*		*45 - 129*	*04/28/25 11:23*	*05/07/25 16:35*	*1*
Phenol-d5 (Surr)	*51*		*21 - 110*	*04/28/25 11:23*	*05/07/25 16:35*	*1*
Terphenyl-d14 (Surr)	*89*		*12 - 144*	*04/28/25 11:23*	*05/07/25 16:35*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*27 - 136*	*04/28/25 11:23*	*05/07/25 16:35*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			04/28/25 16:18	1
Isobutanol	<10.0		10.0	2.40	mg/L			04/28/25 16:18	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0904		0.0904	0.0226	ug/L		04/28/25 10:59	05/01/25 14:15	1
4,4'-DDE	<0.0904		0.0904	0.0271	ug/L		04/28/25 10:59	05/01/25 14:15	1
4,4'-DDT	<0.0904		0.0904	0.0181	ug/L		04/28/25 10:59	05/01/25 14:15	1
Aldrin	<0.0904		0.0904	0.0199	ug/L		04/28/25 10:59	05/01/25 14:15	1
alpha-BHC	<0.0904		0.0904	0.00904	ug/L		04/28/25 10:59	05/01/25 14:15	1
beta-BHC	<0.0904		0.0904	0.0380	ug/L		04/28/25 10:59	05/01/25 14:15	1

Client Sample ID: MW-214A
Lab Sample ID: 310-305114-4
Date Collected: 04/23/25 15:00
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.81		1.81	0.353	ug/L		04/28/25 10:59	05/01/25 14:15	1
delta-BHC	<0.0904		0.0904	0.0289	ug/L		04/28/25 10:59	05/01/25 14:15	1
Dieldrin	<0.0904		0.0904	0.0190	ug/L		04/28/25 10:59	05/01/25 14:15	1
Endosulfan I	<0.0904		0.0904	0.0253	ug/L		04/28/25 10:59	05/01/25 14:15	1
Endosulfan II	<0.0904		0.0904	0.0235	ug/L		04/28/25 10:59	05/01/25 14:15	1
Endosulfan sulfate	<0.0904		0.0904	0.0163	ug/L		04/28/25 10:59	05/01/25 14:15	1
Endrin	<0.0904		0.0904	0.0253	ug/L		04/28/25 10:59	05/01/25 14:15	1
Endrin aldehyde	<0.0904		0.0904	0.0244	ug/L		04/28/25 10:59	05/01/25 14:15	1
gamma-BHC (Lindane)	<0.0904		0.0904	0.00904	ug/L		04/28/25 10:59	05/01/25 14:15	1
Heptachlor	<0.0904		0.0904	0.0208	ug/L		04/28/25 10:59	05/01/25 14:15	1
Heptachlor epoxide	<0.0904		0.0904	0.0289	ug/L		04/28/25 10:59	05/01/25 14:15	1
Methoxychlor	<0.0904		0.0904	0.0289	ug/L		04/28/25 10:59	05/01/25 14:15	1
Toxaphene	<1.81		1.81	0.904	ug/L		04/28/25 10:59	05/01/25 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*67*		*10 - 150*	*04/28/25 10:59*	*05/01/25 14:15*	*1*
Tetrachloro-m-xylene	*61*		*17 - 150*	*04/28/25 10:59*	*05/01/25 14:15*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.81		1.81	0.742	ug/L		04/28/25 10:59	05/01/25 14:15	1
PCB-1221	<1.81		1.81	0.742	ug/L		04/28/25 10:59	05/01/25 14:15	1
PCB-1232	<1.81		1.81	0.742	ug/L		04/28/25 10:59	05/01/25 14:15	1
PCB-1242	<1.81		1.81	0.742	ug/L		04/28/25 10:59	05/01/25 14:15	1
PCB-1248	<1.81		1.81	0.624	ug/L		04/28/25 10:59	05/01/25 14:15	1
PCB-1254	<1.81		1.81	0.624	ug/L		04/28/25 10:59	05/01/25 14:15	1
PCB-1260	<1.81		1.81	0.624	ug/L		04/28/25 10:59	05/01/25 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*68*		*10 - 150*	*04/28/25 10:59*	*05/01/25 14:15*	*1*
Tetrachloro-m-xylene	*85*		*17 - 150*	*04/28/25 10:59*	*05/01/25 14:15*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.671		0.671	0.279	ug/L		04/30/25 15:32	05/01/25 13:23	1
Silvex (2,4,5-TP)	<0.0559	*-	0.0559	0.0246	ug/L		04/30/25 15:32	05/01/25 13:23	1
2,4,5-T	<0.168		0.168	0.0726	ug/L		04/30/25 15:32	05/01/25 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*55*		*34 - 142*	*04/30/25 15:32*	*05/01/25 13:23*	*1*
DCAA	*54*		*34 - 142*	*04/30/25 15:32*	*05/01/25 13:23*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 13:54	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/02/25 09:00	05/02/25 18:35	1
Barium	**0.250**		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 13:54	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/05/25 13:54	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/02/25 18:35	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/02/25 18:35	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/02/25 18:35	1

Client Sample ID: MW-214A
Lab Sample ID: 310-305114-4
Date Collected: 04/23/25 15:00
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/02/25 18:35	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/02/25 18:35	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/02/25 18:35	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/02/25 18:35	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/02/25 18:35	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/02/25 18:35	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/02/25 18:35	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/02/25 18:35	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 13:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/06/25 11:53	05/07/25 12:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		04/29/25 09:53	04/30/25 19:42	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			04/30/25 00:03	1
Total Suspended Solids (USGS I-3765-85)	**7.50**		1.88	1.31	mg/L			04/28/25 19:51	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-204A
Lab Sample ID: 310-305114-5
Date Collected: 04/24/25 10:25
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/29/25 12:39	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/29/25 12:39	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/29/25 12:39	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/29/25 12:39	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/29/25 12:39	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/29/25 12:39	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/29/25 12:39	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/29/25 12:39	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/29/25 12:39	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/29/25 12:39	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/29/25 12:39	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/29/25 12:39	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/29/25 12:39	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/29/25 12:39	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/29/25 12:39	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/29/25 12:39	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/29/25 12:39	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/29/25 12:39	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/29/25 12:39	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/29/25 12:39	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/29/25 12:39	1
Acetone	<10.0		10.0	3.10	ug/L			04/29/25 12:39	1
Acrolein	<10.0		10.0	3.60	ug/L			04/29/25 12:39	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/29/25 12:39	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/29/25 12:39	1
Benzene	<0.500		0.500	0.220	ug/L			04/29/25 12:39	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/29/25 12:39	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/29/25 12:39	1
Bromoform	<5.00		5.00	0.780	ug/L			04/29/25 12:39	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/29/25 12:39	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/29/25 12:39	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/29/25 12:39	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/29/25 12:39	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/29/25 12:39	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/29/25 12:39	1
Chloroform	<3.00		3.00	1.30	ug/L			04/29/25 12:39	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/29/25 12:39	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/29/25 12:39	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/29/25 12:39	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/29/25 12:39	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/29/25 12:39	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/29/25 12:39	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/29/25 12:39	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/29/25 12:39	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/29/25 12:39	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/29/25 12:39	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/29/25 12:39	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/29/25 12:39	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/29/25 12:39	1

Client Sample ID: MW-204A
Lab Sample ID: 310-305114-5
Date Collected: 04/24/25 10:25
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/29/25 12:39	1
Styrene	<1.00		1.00	0.370	ug/L			04/29/25 12:39	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/29/25 12:39	1
Toluene	<1.00		1.00	0.430	ug/L			04/29/25 12:39	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/29/25 12:39	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/29/25 12:39	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/29/25 12:39	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/29/25 12:39	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/29/25 12:39	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/29/25 12:39	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/29/25 12:39	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/29/25 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*04/29/25 12:39*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/29/25 12:39*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*04/29/25 12:39*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.4		10.4	0.667	ug/L		04/28/25 11:23	05/05/25 21:35	1
Acenaphthylene	<10.4		10.4	0.750	ug/L		04/28/25 11:23	05/05/25 21:35	1
Acetophenone	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/05/25 21:35	1
2-Acetylaminofluorene	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/06/25 13:04	1
4-Aminobiphenyl	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/06/25 13:04	1
Anthracene	<10.4		10.4	0.906	ug/L		04/28/25 11:23	05/05/25 21:35	1
Benzo[a]anthracene	<10.4		10.4	0.885	ug/L		04/28/25 11:23	05/05/25 21:35	1
Benzo[a]pyrene	<10.4		10.4	8.44	ug/L		04/28/25 11:23	05/05/25 21:35	1
Benzo[b]fluoranthene	<10.4		10.4	5.10	ug/L		04/28/25 11:23	05/05/25 21:35	1
Benzo[g,h,i]perylene	<10.4		10.4	6.56	ug/L		04/28/25 11:23	05/05/25 21:35	1
Benzo[k]fluoranthene	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/05/25 21:35	1
Benzyl alcohol	<10.4		10.4	1.35	ug/L		04/28/25 11:23	05/05/25 21:35	1
Bis(2-chloroethoxy)methane	<10.4		10.4	0.792	ug/L		04/28/25 11:23	05/05/25 21:35	1
Bis(2-chloroethyl)ether	<10.4		10.4	0.854	ug/L		04/28/25 11:23	05/05/25 21:35	1
bis (2-chloroisopropyl) ether	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/05/25 21:35	1
Bis(2-ethylhexyl) phthalate	<10.4		10.4	5.73	ug/L		04/28/25 11:23	05/05/25 21:35	1
4-Bromophenyl phenyl ether	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/05/25 21:35	1
Butyl benzyl phthalate	<10.4		10.4	5.63	ug/L		04/28/25 11:23	05/05/25 21:35	1
4-Chloroaniline	<10.4		10.4	0.646	ug/L		04/28/25 11:23	05/05/25 21:35	1
Chlorobenzilate	<10.4	*-	10.4	3.75	ug/L		04/28/25 11:23	05/07/25 17:01	1
4-Chloro-3-methylphenol	<10.4		10.4	0.875	ug/L		04/28/25 11:23	05/05/25 21:35	1
2-Chloronaphthalene	<10.4		10.4	0.667	ug/L		04/28/25 11:23	05/05/25 21:35	1
2-Chlorophenol	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/05/25 21:35	1
4-Chlorophenyl phenyl ether	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/05/25 21:35	1
Chrysene	<10.4		10.4	0.906	ug/L		04/28/25 11:23	05/05/25 21:35	1
Diallate	<10.4		10.4	4.17	ug/L		04/28/25 11:23	05/06/25 13:04	1
Dibenzo(a,h)anthracene	<10.4		10.4	4.06	ug/L		04/28/25 11:23	05/05/25 21:35	1
Dibenzofuran	<10.4		10.4	0.771	ug/L		04/28/25 11:23	05/05/25 21:35	1
3,3'-Dichlorobenzidine	<10.4		10.4	1.46	ug/L		04/28/25 11:23	05/05/25 21:35	1
2,4-Dichlorophenol	<10.4		10.4	0.885	ug/L		04/28/25 11:23	05/05/25 21:35	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-204A
Lab Sample ID: 310-305114-5
Date Collected: 04/24/25 10:25
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.4		10.4	0.719	ug/L		04/28/25 11:23	05/05/25 21:35	1
Diethyl phthalate	<10.4		10.4	1.77	ug/L		04/28/25 11:23	05/05/25 21:35	1
Dimethoate	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/06/25 13:04	1
7,12-Dimethylbenz(a)anthracene	<10.4		10.4	1.98	ug/L		04/28/25 11:23	05/06/25 13:04	1
3,3'-Dimethylbenzidine	<10.4		10.4	1.56	ug/L		04/28/25 11:23	05/06/25 13:04	1
2,4-Dimethylphenol	<10.4		10.4	0.604	ug/L		04/28/25 11:23	05/05/25 21:35	1
Dimethyl phthalate	<10.4		10.4	1.04	ug/L		04/28/25 11:23	05/05/25 21:35	1
Di-n-butyl phthalate	<10.4		10.4	5.83	ug/L		04/28/25 11:23	05/05/25 21:35	1
1,3-Dinitrobenzene	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/05/25 21:35	1
4,6-Dinitro-2-methylphenol	<10.4		10.4	7.19	ug/L		04/28/25 11:23	05/05/25 21:35	1
2,4-Dinitrophenol	<20.8		20.8	13.5	ug/L		04/28/25 11:23	05/05/25 21:35	1
2,4-Dinitrotoluene	<10.4		10.4	6.67	ug/L		04/28/25 11:23	05/05/25 21:35	1
2,6-Dinitrotoluene	<10.4		10.4	0.542	ug/L		04/28/25 11:23	05/05/25 21:35	1
Di-n-octyl phthalate	<20.8		20.8	7.29	ug/L		04/28/25 11:23	05/05/25 21:35	1
Dinoseb	<10.4		10.4	2.50	ug/L		04/28/25 11:23	05/06/25 13:04	1
Diphenylamine	<10.4		10.4	6.25	ug/L		04/28/25 11:23	05/05/25 21:35	1
Disulfoton	<10.4		10.4	2.50	ug/L		04/28/25 11:23	05/06/25 13:04	1
Ethyl methanesulfonate	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/06/25 13:04	1
Ethyl Parathion	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/06/25 13:04	1
Famphur	<10.4		10.4	3.96	ug/L		04/28/25 11:23	05/09/25 12:25	1
Fluoranthene	<10.4		10.4	1.77	ug/L		04/28/25 11:23	05/05/25 21:35	1
Fluorene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/05/25 21:35	1
Hexachlorobenzene	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/05/25 21:35	1
Hexachlorobutadiene	<10.4		10.4	0.896	ug/L		04/28/25 11:23	05/05/25 21:35	1
Hexachlorocyclopentadiene	<10.4		10.4	5.31	ug/L		04/28/25 11:23	05/05/25 21:35	1
Hexachloroethane	<10.4		10.4	1.01	ug/L		04/28/25 11:23	05/05/25 21:35	1
Hexachloropropene	<10.4		10.4	2.71	ug/L		04/28/25 11:23	05/06/25 13:04	1
Indeno[1,2,3-cd]pyrene	<10.4		10.4	4.38	ug/L		04/28/25 11:23	05/05/25 21:35	1
Isodrin	<10.4		10.4	4.90	ug/L		04/28/25 11:23	05/06/25 13:04	1
Isophorone	<10.4		10.4	0.969	ug/L		04/28/25 11:23	05/05/25 21:35	1
Isosafrole	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/06/25 13:04	1
Kepone	<10.4		10.4	1.04	ug/L		04/28/25 11:23	05/06/25 13:04	1
Methapyrilene	<10.4		10.4	0.792	ug/L		04/28/25 11:23	05/06/25 13:04	1
3-Methylcholanthrene	<10.4		10.4	0.333	ug/L		04/28/25 11:23	05/06/25 13:04	1
Methyl methanesulfonate	<10.4		10.4	3.44	ug/L		04/28/25 11:23	05/06/25 13:04	1
2-Methylnaphthalene	<10.4		10.4	0.615	ug/L		04/28/25 11:23	05/05/25 21:35	1
Methyl parathion	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/06/25 13:04	1
2-Methylphenol	<10.4		10.4	0.677	ug/L		04/28/25 11:23	05/05/25 21:35	1
Methylphenol, 3 & 4	<10.4		10.4	0.729	ug/L		04/28/25 11:23	05/05/25 21:35	1
1,4-Naphthoquinone	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/06/25 13:04	1
1-Naphthylamine	<10.4		10.4	2.60	ug/L		04/28/25 11:23	05/06/25 13:04	1
2-Naphthylamine	<10.4		10.4	2.19	ug/L		04/28/25 11:23	05/06/25 13:04	1
2-Nitroaniline	<10.4		10.4	6.15	ug/L		04/28/25 11:23	05/05/25 21:35	1
3-Nitroaniline	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/05/25 21:35	1
4-Nitroaniline	<10.4		10.4	1.35	ug/L		04/28/25 11:23	05/05/25 21:35	1
Nitrobenzene	<10.4		10.4	0.833	ug/L		04/28/25 11:23	05/05/25 21:35	1
5-Nitro-o-toluidine	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/06/25 13:04	1
2-Nitrophenol	<10.4		10.4	7.08	ug/L		04/28/25 11:23	05/05/25 21:35	1
4-Nitrophenol	<10.4		10.4	7.92	ug/L		04/28/25 11:23	05/05/25 21:35	1

Client Sample ID: MW-204A
Lab Sample ID: 310-305114-5
Date Collected: 04/24/25 10:25
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.4		10.4	3.54	ug/L		04/28/25 11:23	05/06/25 13:04	1
N-Nitrosodimethylamine	<10.4		10.4	0.750	ug/L		04/28/25 11:23	05/05/25 21:35	1
N-Nitrosodi-n-butylamine	<10.4		10.4	4.06	ug/L		04/28/25 11:23	05/06/25 13:04	1
N-Nitrosodi-n-propylamine	<10.4		10.4	0.958	ug/L		04/28/25 11:23	05/05/25 21:35	1
N-Nitrosodiphenylamine	<10.4		10.4	0.781	ug/L		04/28/25 11:23	05/05/25 21:35	1
N-Nitrosomethylethylamine	<10.4		10.4	5.10	ug/L		04/28/25 11:23	05/06/25 13:04	1
N-Nitrosopiperidine	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/06/25 13:04	1
N-Nitrosopyrrolidine	<10.4		10.4	3.75	ug/L		04/28/25 11:23	05/06/25 13:04	1
o,o',o''-Triethylphosphorothioate	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/06/25 13:04	1
o-Toluidine	<10.4		10.4	3.02	ug/L		04/28/25 11:23	05/06/25 13:04	1
p-Dimethylamino azobenzene	<10.4		10.4	2.29	ug/L		04/28/25 11:23	05/06/25 13:04	1
Pentachlorobenzene	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/06/25 13:04	1
Pentachloronitrobenzene	<10.4		10.4	6.04	ug/L		04/28/25 11:23	05/06/25 13:04	1
Pentachlorophenol	<10.4		10.4	10.0	ug/L		04/28/25 11:23	05/05/25 21:35	1
Phenacetin	<10.4		10.4	1.98	ug/L		04/28/25 11:23	05/06/25 13:04	1
Phenanthrene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/05/25 21:35	1
Phenol	<10.4		10.4	1.15	ug/L		04/28/25 11:23	05/05/25 21:35	1
1,4-phenylenediamine	<10.4	*-	10.4	1.98	ug/L		04/28/25 11:23	05/06/25 13:04	1
Phorate	<10.4		10.4	3.33	ug/L		04/28/25 11:23	05/06/25 13:04	1
Pronamide	<10.4		10.4	2.81	ug/L		04/28/25 11:23	05/06/25 13:04	1
Pyrene	<10.4		10.4	0.823	ug/L		04/28/25 11:23	05/05/25 21:35	1
Safrole	<10.4		10.4	2.92	ug/L		04/28/25 11:23	05/06/25 13:04	1
1,2,4,5-Tetrachlorobenzene	<10.4		10.4	0.563	ug/L		04/28/25 11:23	05/05/25 21:35	1
2,3,4,6-Tetrachlorophenol	<10.4		10.4	5.52	ug/L		04/28/25 11:23	05/05/25 21:35	1
Thionazin	<10.4		10.4	3.65	ug/L		04/28/25 11:23	05/06/25 13:04	1
2,4,5-Trichlorophenol	<10.4		10.4	5.52	ug/L		04/28/25 11:23	05/05/25 21:35	1
2,4,6-Trichlorophenol	<10.4		10.4	5.21	ug/L		04/28/25 11:23	05/05/25 21:35	1
1,3,5-Trinitrobenzene	<10.4		10.4	2.40	ug/L		04/28/25 11:23	05/06/25 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*39 - 118*	*04/28/25 11:23*	*05/05/25 21:35*	*1*
2-Fluorobiphenyl (Surr)	*77*		*39 - 118*	*04/28/25 11:23*	*05/06/25 13:04*	*1*
2-Fluorophenol (Surr)	*57*		*25 - 110*	*04/28/25 11:23*	*05/05/25 21:35*	*1*
2-Fluorophenol (Surr)	*58*		*25 - 110*	*04/28/25 11:23*	*05/06/25 13:04*	*1*
Nitrobenzene-d5 (Surr)	*76*		*45 - 129*	*04/28/25 11:23*	*05/05/25 21:35*	*1*
Nitrobenzene-d5 (Surr)	*81*		*45 - 129*	*04/28/25 11:23*	*05/06/25 13:04*	*1*
Phenol-d5 (Surr)	*49*		*21 - 110*	*04/28/25 11:23*	*05/05/25 21:35*	*1*
Phenol-d5 (Surr)	*52*		*21 - 110*	*04/28/25 11:23*	*05/06/25 13:04*	*1*
Terphenyl-d14 (Surr)	*75*		*12 - 144*	*04/28/25 11:23*	*05/05/25 21:35*	*1*
Terphenyl-d14 (Surr)	*97*		*12 - 144*	*04/28/25 11:23*	*05/06/25 13:04*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*27 - 136*	*04/28/25 11:23*	*05/05/25 21:35*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*27 - 136*	*04/28/25 11:23*	*05/06/25 13:04*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			04/28/25 16:37	1
Isobutanol	<10.0		10.0	2.40	mg/L			04/28/25 16:37	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-204A
Lab Sample ID: 310-305114-5

Date Collected: 04/24/25 10:25
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0921		0.0921	0.0230	ug/L		04/30/25 08:47	05/03/25 11:14	1
4,4'-DDE	<0.0921		0.0921	0.0276	ug/L		04/30/25 08:47	05/03/25 11:14	1
4,4'-DDT	<0.0921		0.0921	0.0184	ug/L		04/30/25 08:47	05/03/25 11:14	1
Aldrin	<0.0921		0.0921	0.0203	ug/L		04/30/25 08:47	05/03/25 11:14	1
alpha-BHC	<0.0921		0.0921	0.00921	ug/L		04/30/25 08:47	05/03/25 11:14	1
beta-BHC	<0.0921		0.0921	0.0387	ug/L		04/30/25 08:47	05/03/25 11:14	1
Chlordane (technical)	<1.84		1.84	0.359	ug/L		04/30/25 08:47	05/03/25 11:14	1
delta-BHC	<0.0921		0.0921	0.0295	ug/L		04/30/25 08:47	05/03/25 11:14	1
Dieldrin	<0.0921		0.0921	0.0193	ug/L		04/30/25 08:47	05/03/25 11:14	1
Endosulfan I	<0.0921		0.0921	0.0258	ug/L		04/30/25 08:47	05/03/25 11:14	1
Endosulfan II	<0.0921		0.0921	0.0239	ug/L		04/30/25 08:47	05/03/25 11:14	1
Endosulfan sulfate	<0.0921		0.0921	0.0166	ug/L		04/30/25 08:47	05/03/25 11:14	1
Endrin	<0.0921		0.0921	0.0258	ug/L		04/30/25 08:47	05/03/25 11:14	1
Endrin aldehyde	<0.0921		0.0921	0.0249	ug/L		04/30/25 08:47	05/03/25 11:14	1
gamma-BHC (Lindane)	<0.0921		0.0921	0.00921	ug/L		04/30/25 08:47	05/03/25 11:14	1
Heptachlor	<0.0921		0.0921	0.0212	ug/L		04/30/25 08:47	05/03/25 11:14	1
Heptachlor epoxide	<0.0921		0.0921	0.0295	ug/L		04/30/25 08:47	05/03/25 11:14	1
Methoxychlor	<0.0921		0.0921	0.0295	ug/L		04/30/25 08:47	05/03/25 11:14	1
Toxaphene	<1.84		1.84	0.921	ug/L		04/30/25 08:47	05/03/25 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*10 - 150*	*04/30/25 08:47*	*05/03/25 11:14*	*1*
Tetrachloro-m-xylene	*66*		*17 - 150*	*04/30/25 08:47*	*05/03/25 11:14*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.84		1.84	0.755	ug/L		04/30/25 08:47	05/03/25 11:14	1
PCB-1221	<1.84		1.84	0.755	ug/L		04/30/25 08:47	05/03/25 11:14	1
PCB-1232	<1.84		1.84	0.755	ug/L		04/30/25 08:47	05/03/25 11:14	1
PCB-1242	<1.84		1.84	0.755	ug/L		04/30/25 08:47	05/03/25 11:14	1
PCB-1248	<1.84		1.84	0.636	ug/L		04/30/25 08:47	05/03/25 11:14	1
PCB-1254	<1.84		1.84	0.636	ug/L		04/30/25 08:47	05/03/25 11:14	1
PCB-1260	<1.84		1.84	0.636	ug/L		04/30/25 08:47	05/03/25 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*10 - 150*	*04/30/25 08:47*	*05/03/25 11:14*	*1*
Tetrachloro-m-xylene	*66*		*17 - 150*	*04/30/25 08:47*	*05/03/25 11:14*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.643		0.643	0.268	ug/L		04/30/25 15:32	05/01/25 13:51	1
Silvex (2,4,5-TP)	<0.0536	*-	0.0536	0.0236	ug/L		04/30/25 15:32	05/01/25 13:51	1
2,4,5-T	<0.161		0.161	0.0696	ug/L		04/30/25 15:32	05/01/25 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*63*		*34 - 142*	*04/30/25 15:32*	*05/01/25 13:51*	*1*
DCAA	*59*		*34 - 142*	*04/30/25 15:32*	*05/01/25 13:51*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 13:59	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-204A
Lab Sample ID: 310-305114-5
Date Collected: 04/24/25 10:25
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00383**		0.00200	0.000530	mg/L		05/02/25 09:00	05/02/25 18:39	1
Barium	**0.168**		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 13:59	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/05/25 13:59	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/02/25 18:39	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/02/25 18:39	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/02/25 18:39	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/02/25 18:39	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/02/25 18:39	1
Nickel	**0.00257**	**J**	0.00500	0.00230	mg/L		05/02/25 09:00	05/02/25 18:39	1
Selenium	**0.00293**	**J**	0.00500	0.00140	mg/L		05/02/25 09:00	05/02/25 18:39	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/02/25 18:39	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/02/25 18:39	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/02/25 18:39	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/02/25 18:39	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 13:59	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/06/25 11:53	05/07/25 12:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		04/29/25 09:53	04/30/25 19:42	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			04/30/25 00:06	1
Total Suspended Solids (USGS I-3765-85)	**5.33**		5.00	3.50	mg/L			04/30/25 11:54	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-205A
Lab Sample ID: 310-305114-6
Date Collected: 04/24/25 13:25
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00232		0.00200	0.000530	mg/L		05/02/25 09:00	05/05/25 15:46	1
Barium	0.196		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 15:46	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/05/25 15:46	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/05/25 15:46	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/05/25 15:46	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/05/25 15:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	23.0		15.0	10.5	mg/L			04/30/25 11:54	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-306A
Lab Sample ID: 310-305114-7
Date Collected: 04/24/25 12:45
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.500		0.500	0.220	ug/L			04/29/25 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*76 - 130*		*04/29/25 14:47*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*04/29/25 14:47*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*04/29/25 14:47*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/02/25 09:00	05/02/25 17:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			04/29/25 15:25	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-15A
Lab Sample ID: 310-305114-8
Date Collected: 04/24/25 14:05
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00684		0.00200	0.000530	mg/L		04/29/25 09:00	05/01/25 16:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	6.00		5.00	3.50	mg/L			04/29/25 15:25	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-409
Lab Sample ID: 310-305114-9
Date Collected: 04/24/25 14:35
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00889		0.000500	0.000170	mg/L		04/29/25 09:00	04/30/25 15:16	1
Arsenic	0.0510		0.00200	0.000530	mg/L		04/29/25 09:00	04/30/25 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	80.0		15.0	10.5	mg/L			04/29/25 15:25	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 1
Lab Sample ID: 310-305114-10
Date Collected: 04/24/25 00:00
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/29/25 13:01	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/29/25 13:01	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/29/25 13:01	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/29/25 13:01	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/29/25 13:01	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/29/25 13:01	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/29/25 13:01	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/29/25 13:01	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/29/25 13:01	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/29/25 13:01	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/29/25 13:01	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/29/25 13:01	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/29/25 13:01	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/29/25 13:01	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/29/25 13:01	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/29/25 13:01	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/29/25 13:01	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/29/25 13:01	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/29/25 13:01	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/29/25 13:01	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/29/25 13:01	1
Acetone	<10.0		10.0	3.10	ug/L			04/29/25 13:01	1
Acrolein	<10.0		10.0	3.60	ug/L			04/29/25 13:01	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/29/25 13:01	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/29/25 13:01	1
Benzene	<0.500		0.500	0.220	ug/L			04/29/25 13:01	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/29/25 13:01	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/29/25 13:01	1
Bromoform	<5.00		5.00	0.780	ug/L			04/29/25 13:01	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/29/25 13:01	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/29/25 13:01	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/29/25 13:01	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/29/25 13:01	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/29/25 13:01	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/29/25 13:01	1
Chloroform	<3.00		3.00	1.30	ug/L			04/29/25 13:01	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/29/25 13:01	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/29/25 13:01	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/29/25 13:01	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/29/25 13:01	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/29/25 13:01	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/29/25 13:01	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/29/25 13:01	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/29/25 13:01	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/29/25 13:01	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/29/25 13:01	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/29/25 13:01	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/29/25 13:01	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/29/25 13:01	1

Client Sample ID: Trip Blank 1
Lab Sample ID: 310-305114-10
Date Collected: 04/24/25 00:00
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/29/25 13:01	1
Styrene	<1.00		1.00	0.370	ug/L			04/29/25 13:01	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/29/25 13:01	1
Toluene	<1.00		1.00	0.430	ug/L			04/29/25 13:01	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/29/25 13:01	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/29/25 13:01	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/29/25 13:01	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/29/25 13:01	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/29/25 13:01	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/29/25 13:01	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/29/25 13:01	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/29/25 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*117*		*76 - 130*		*04/29/25 13:01*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*04/29/25 13:01*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*04/29/25 13:01*	*1*

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 2
Lab Sample ID: 310-305114-11
Date Collected: 04/24/25 00:00
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/29/25 10:24	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/29/25 10:24	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/29/25 10:24	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/29/25 10:24	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/29/25 10:24	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/29/25 10:24	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/29/25 10:24	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/29/25 10:24	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/29/25 10:24	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/29/25 10:24	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/29/25 10:24	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/29/25 10:24	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/29/25 10:24	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/29/25 10:24	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/29/25 10:24	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/29/25 10:24	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/29/25 10:24	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/29/25 10:24	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/29/25 10:24	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/29/25 10:24	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/29/25 10:24	1
Acetone	<10.0		10.0	3.10	ug/L			04/29/25 10:24	1
Acrolein	<10.0		10.0	3.60	ug/L			04/29/25 10:24	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/29/25 10:24	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/29/25 10:24	1
Benzene	<0.500		0.500	0.220	ug/L			04/29/25 10:24	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/29/25 10:24	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/29/25 10:24	1
Bromoform	<5.00		5.00	0.780	ug/L			04/29/25 10:24	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/29/25 10:24	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/29/25 10:24	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/29/25 10:24	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/29/25 10:24	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/29/25 10:24	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/29/25 10:24	1
Chloroform	<3.00		3.00	1.30	ug/L			04/29/25 10:24	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/29/25 10:24	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/29/25 10:24	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/29/25 10:24	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/29/25 10:24	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/29/25 10:24	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/29/25 10:24	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/29/25 10:24	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/29/25 10:24	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/29/25 10:24	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/29/25 10:24	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/29/25 10:24	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/29/25 10:24	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/29/25 10:24	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 2
Lab Sample ID: 310-305114-11
Date Collected: 04/24/25 00:00
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/29/25 10:24	1
Styrene	<1.00		1.00	0.370	ug/L			04/29/25 10:24	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/29/25 10:24	1
Toluene	<1.00		1.00	0.430	ug/L			04/29/25 10:24	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/29/25 10:24	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/29/25 10:24	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/29/25 10:24	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/29/25 10:24	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/29/25 10:24	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/29/25 10:24	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/29/25 10:24	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/29/25 10:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*76 - 130*		*04/29/25 10:24*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/29/25 10:24*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*04/29/25 10:24*	*1*

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 3
Lab Sample ID: 310-305114-12
Date Collected: 04/24/25 00:00
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/29/25 10:47	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/29/25 10:47	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/29/25 10:47	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/29/25 10:47	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/29/25 10:47	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/29/25 10:47	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/29/25 10:47	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/29/25 10:47	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/29/25 10:47	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/29/25 10:47	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/29/25 10:47	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/29/25 10:47	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/29/25 10:47	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/29/25 10:47	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/29/25 10:47	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/29/25 10:47	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/29/25 10:47	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/29/25 10:47	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/29/25 10:47	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/29/25 10:47	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/29/25 10:47	1
Acetone	<10.0		10.0	3.10	ug/L			04/29/25 10:47	1
Acrolein	<10.0		10.0	3.60	ug/L			04/29/25 10:47	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/29/25 10:47	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/29/25 10:47	1
Benzene	<0.500		0.500	0.220	ug/L			04/29/25 10:47	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/29/25 10:47	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/29/25 10:47	1
Bromoform	<5.00		5.00	0.780	ug/L			04/29/25 10:47	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/29/25 10:47	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/29/25 10:47	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/29/25 10:47	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/29/25 10:47	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/29/25 10:47	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/29/25 10:47	1
Chloroform	<3.00		3.00	1.30	ug/L			04/29/25 10:47	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/29/25 10:47	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/29/25 10:47	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/29/25 10:47	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/29/25 10:47	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/29/25 10:47	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/29/25 10:47	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/29/25 10:47	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/29/25 10:47	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/29/25 10:47	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/29/25 10:47	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/29/25 10:47	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/29/25 10:47	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/29/25 10:47	1

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 3
Lab Sample ID: 310-305114-12
Date Collected: 04/24/25 00:00
Matrix: Water
Date Received: 04/25/25 15:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/29/25 10:47	1
Styrene	<1.00		1.00	0.370	ug/L			04/29/25 10:47	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/29/25 10:47	1
Toluene	<1.00		1.00	0.430	ug/L			04/29/25 10:47	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/29/25 10:47	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/29/25 10:47	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/29/25 10:47	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/29/25 10:47	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/29/25 10:47	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/29/25 10:47	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/29/25 10:47	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/29/25 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*119*		*76 - 130*		*04/29/25 10:47*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/29/25 10:47*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*04/29/25 10:47*	*1*

Definitions/Glossary

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-305114-1	MW-14B	113	89	101
310-305114-1 MS	MW-14B	100	97	99
310-305114-1 MSD	MW-14B	101	97	99
310-305114-2	MW-202A	118	90	104
310-305114-3	MW-17A-00	113	91	103
310-305114-3	MW-17A-00	120	95	102
310-305114-4	MW-214A	116	92	100
310-305114-5	MW-204A	115	91	100
310-305114-7	MW-306A	104	94	101
310-305114-10	Trip Blank 1	117	90	101
310-305114-11	Trip Blank 2	112	92	100
310-305114-12	Trip Blank 3	119	92	100
LCS 310-452932/7	Lab Control Sample	96	98	102
LCS 310-452932/8	Lab Control Sample	117	92	99
LCS 310-453064/6	Lab Control Sample	102	105	96
LCS 310-453819/8	Lab Control Sample	97	101	99
LCS 310-453819/9	Lab Control Sample	115	93	100
MB 310-452932/6	Method Blank	116	92	102
MB 310-453064/5	Method Blank	107	93	101
MB 310-453819/7	Method Blank	116	93	99

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(39-118)	(25-110)	(45-129)	(21-110)	(12-144)	(27-136)
310-305114-1	MW-14B	59	49	71	42	68	50
310-305114-2	MW-202A	73	62	87	55	86	63
310-305114-3	MW-17A-00	78	61	88	56	93	68
310-305114-4	MW-214A	74	57	82	51	89	68
310-305114-5	MW-204A	75	57	76	49	75	71
310-305114-5	MW-204A	77	58	81	52	97	76
LCS 310-452882/2-A	Lab Control Sample	75	65	87	50	79	78
LCS 310-452882/2-A	Lab Control Sample	78	62	83	53	90	96
LCSD 310-452882/3-A	Lab Control Sample Dup	76	64	82	52	79	78
LCSD 310-452882/3-A	Lab Control Sample Dup	77	62	80	54	92	95
MB 310-452882/1-A	Method Blank	83	66	87	56	81	82
MB 310-452882/1-A	Method Blank	85	70	97	61	110	96

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-305114-1	MW-14B	90	81
310-305114-2	MW-202A	71	63
310-305114-3	MW-17A-00	62	74
310-305114-4	MW-214A	67	61
310-305114-5	MW-204A	78	66
LB 310-452343/1-E	Method Blank	45	76
LCS 310-452879/2-A	Lab Control Sample	42	58
LCS 310-453170/2-A	Lab Control Sample	31	57
MB 310-452879/1-A	Method Blank	41	69
MB 310-453170/1-A	Method Blank	25	46

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-305114-1	MW-14B	92	89
310-305114-1 MS	MW-14B	75	79
310-305114-1 MSD	MW-14B	62	80
310-305114-2	MW-202A	73	85
310-305114-3	MW-17A-00	61	81
310-305114-4	MW-214A	68	85
LCS 310-452879/26-A	Lab Control Sample	89	76
LCS 310-453170/25-A	Lab Control Sample	36	33
MB 310-453170/1-A	Method Blank	28	47

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-305114-5	MW-204A	78	66
MB 310-452879/1-A	Method Blank	41	69

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Method: 8151A - Herbicides (GC)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	DCPAA1 (34-142)	DCPAA2 (34-142)										
310-305114-1	MW-14B	65	62										
310-305114-2	MW-202A	66	61										
310-305114-3	MW-17A-00	48	42										
310-305114-4	MW-214A	55	54										
310-305114-5	MW-204A	63	59										
LCS 410-637791/2-A	Lab Control Sample	70	68										
LCS 410-637791/2-A - DL	Lab Control Sample	84	81										
LCSD 410-637791/3-A - DL	Lab Control Sample Dup	82	77										
LCSD 410-637791/3-A	Lab Control Sample Dup	69	65										
MB 410-637791/1-A	Method Blank	67	63										

Surrogate Legend

DCPAA = DCAA

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-452932/6
Matrix: Water
Analysis Batch: 452932

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/29/25 09:16	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/29/25 09:16	1
Acetone	<10.0		10.0	3.10	ug/L			04/29/25 09:16	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/29/25 09:16	1
Acrolein	<10.0		10.0	3.60	ug/L			04/29/25 09:16	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/29/25 09:16	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/29/25 09:16	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/29/25 09:16	1
Benzene	<0.500		0.500	0.220	ug/L			04/29/25 09:16	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/29/25 09:16	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/29/25 09:16	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/29/25 09:16	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/29/25 09:16	1
Bromoform	<5.00		5.00	0.780	ug/L			04/29/25 09:16	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/29/25 09:16	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/29/25 09:16	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/29/25 09:16	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/29/25 09:16	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/29/25 09:16	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/29/25 09:16	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/29/25 09:16	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/29/25 09:16	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/29/25 09:16	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/29/25 09:16	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/29/25 09:16	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/29/25 09:16	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/29/25 09:16	1
Chloroform	<3.00		3.00	1.30	ug/L			04/29/25 09:16	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/29/25 09:16	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/29/25 09:16	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/29/25 09:16	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/29/25 09:16	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/29/25 09:16	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/29/25 09:16	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/29/25 09:16	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/29/25 09:16	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/29/25 09:16	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/29/25 09:16	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/29/25 09:16	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/29/25 09:16	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/29/25 09:16	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/29/25 09:16	1
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/29/25 09:16	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/29/25 09:16	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/29/25 09:16	1
Propionitrile	<10.0		10.0	3.40	ug/L			04/29/25 09:16	1
Styrene	<1.00		1.00	0.370	ug/L			04/29/25 09:16	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/29/25 09:16	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-452932/6
Matrix: Water
Analysis Batch: 452932

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<1.00		1.00	0.430	ug/L			04/29/25 09:16	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/29/25 09:16	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/29/25 09:16	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/29/25 09:16	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/29/25 09:16	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/29/25 09:16	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/29/25 09:16	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/29/25 09:16	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/29/25 09:16	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/29/25 09:16	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/29/25 09:16	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/29/25 09:16	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/29/25 09:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*04/29/25 09:16*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/29/25 09:16*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*04/29/25 09:16*	*1*

Lab Sample ID: LCS 310-452932/7
Matrix: Water
Analysis Batch: 452932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	40.0	36.87		ug/L		92	60 - 134
1,2-Dibromo-3-Chloropropane	20.0	20.80		ug/L		104	62 - 132
Acetone	40.0	40.80		ug/L		102	59 - 136
1,2-Dibromoethane (EDB)	20.0	20.72		ug/L		104	74 - 122
Acrolein	94.8	99.04		ug/L		104	50 - 150
Acrylonitrile	200	209.9		ug/L		105	50 - 150
Allyl chloride	20.0	18.02		ug/L		90	61 - 136
1,2-Dichlorobenzene	20.0	19.03		ug/L		95	74 - 120
Benzene	20.0	19.53		ug/L		98	71 - 125
1,3-Dichlorobenzene	20.0	19.72		ug/L		99	71 - 120
Bromochloromethane	20.0	20.70		ug/L		103	69 - 131
1,4-Dichlorobenzene	20.0	18.15		ug/L		91	72 - 120
Bromodichloromethane	20.0	20.41		ug/L		102	70 - 122
Bromoform	20.0	18.81		ug/L		94	62 - 122
1,1-Dichloroethane	20.0	19.21		ug/L		96	69 - 127
1,2-Dichloroethane	20.0	20.44		ug/L		102	68 - 125
Carbon disulfide	20.0	22.19		ug/L		111	58 - 137
1,1-Dichloroethene	20.0	21.55		ug/L		108	64 - 134
Carbon tetrachloride	20.0	23.57		ug/L		118	63 - 136
1,2-Dichloropropane	20.0	20.57		ug/L		103	72 - 128
Chlorobenzene	20.0	18.86		ug/L		94	74 - 120
1,3-Dichloropropane	20.0	19.99		ug/L		100	72 - 125
Chlorodibromomethane	20.0	19.48		ug/L		97	69 - 121
2,2-Dichloropropane	20.0	16.83		ug/L		84	51 - 146

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-452932/7
Matrix: Water
Analysis Batch: 452932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	20.0	21.78		ug/L		109	70 - 133
Chloroform	20.0	21.60		ug/L		108	72 - 122
Chloroprene	20.0	21.73		ug/L		109	67 - 136
2-Hexanone	40.0	38.14		ug/L		95	62 - 139
cis-1,2-Dichloroethene	20.0	21.88		ug/L		109	72 - 123
cis-1,3-Dichloropropene	20.0	18.24		ug/L		91	72 - 123
Dibromomethane	20.0	21.33		ug/L		107	72 - 122
Ethyl methacrylate	20.0	20.92		ug/L		105	68 - 128
4-Methyl-2-pentanone (MIBK)	40.0	37.86		ug/L		95	62 - 136
Ethylbenzene	20.0	19.83		ug/L		99	75 - 120
Iodomethane	20.0	13.51		ug/L		68	18 - 150
Methacrylonitrile	200	202.8		ug/L		101	67 - 128
Methyl methacrylate	40.0	41.12		ug/L		103	69 - 129
Methylene Chloride	20.0	23.71		ug/L		119	72 - 128
1,1,1,2-Tetrachloroethane	20.0	21.95		ug/L		110	70 - 121
Naphthalene	20.0	20.25		ug/L		101	69 - 126
1,1,2,2-Tetrachloroethane	20.0	18.90		ug/L		94	70 - 122
Propionitrile	200	193.2		ug/L		97	68 - 131
Styrene	20.0	19.85		ug/L		99	74 - 122
Tetrachloroethene	20.0	21.88		ug/L		109	70 - 128
Toluene	20.0	20.06		ug/L		100	74 - 120
trans-1,2-Dichloroethene	20.0	21.62		ug/L		108	67 - 127
trans-1,3-Dichloropropene	20.0	18.74		ug/L		94	67 - 123
1,2,4-Trichlorobenzene	20.0	19.39		ug/L		97	69 - 125
trans-1,4-Dichloro-2-butene	20.0	17.27		ug/L		86	50 - 150
1,1,1-Trichloroethane	20.0	21.57		ug/L		108	69 - 130
1,1,2-Trichloroethane	20.0	20.14		ug/L		101	75 - 121
Trichloroethene	20.0	21.17		ug/L		106	70 - 128
1,2,3-Trichloropropane	20.0	18.79		ug/L		94	70 - 122
Vinyl acetate	40.0	37.25		ug/L		93	50 - 150
Xylenes, Total	40.0	40.36		ug/L		101	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*76 - 130*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Lab Sample ID: LCS 310-452932/8
Matrix: Water
Analysis Batch: 452932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	16.46		ug/L		82	33 - 138
Chloroethane	20.0	21.44		ug/L		107	59 - 139
Chloromethane	20.0	21.05		ug/L		105	52 - 146
Dichlorodifluoromethane	20.0	25.84		ug/L		129	45 - 150
Trichlorofluoromethane	20.0	24.01		ug/L		120	55 - 150
Vinyl chloride	20.0	22.02		ug/L		110	60 - 142

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-452932/8
Matrix: Water
Analysis Batch: 452932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*117*		*76 - 130*
Toluene-d8 (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: 310-305114-1 MS
Matrix: Water
Analysis Batch: 452932

Client Sample ID: MW-14B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	<10.0		50.0	36.55		ug/L		73	46 - 134
1,2-Dibromo-3-Chloropropane	<1.20		25.0	20.40		ug/L		82	44 - 138
Acetone	<10.0		50.0	42.72		ug/L		85	39 - 141
1,2-Dibromoethane (EDB)	<0.340		25.0	21.98		ug/L		88	60 - 122
Acrolein	<10.0		119	101.8		ug/L		86	39 - 150
Acrylonitrile	<5.00		250	224.6		ug/L		90	41 - 150
Allyl chloride	<2.00		25.0	19.94		ug/L		80	47 - 136
1,2-Dichlorobenzene	<1.00		25.0	20.39		ug/L		82	60 - 120
Benzene	<0.500		25.0	20.03		ug/L		80	48 - 125
1,3-Dichlorobenzene	<1.00		25.0	21.97		ug/L		88	58 - 120
Bromochloromethane	<5.00		25.0	22.59		ug/L		90	55 - 131
1,4-Dichlorobenzene	<1.00		25.0	19.79		ug/L		79	58 - 120
Bromodichloromethane	<1.00		25.0	21.83		ug/L		87	53 - 122
Bromoform	<5.00		25.0	20.29		ug/L		81	47 - 122
1,1-Dichloroethane	0.400	J	25.0	20.00		ug/L		78	53 - 127
1,2-Dichloroethane	<1.00		25.0	21.94		ug/L		88	48 - 128
Carbon disulfide	<1.00		25.0	24.96		ug/L		100	45 - 137
1,1-Dichloroethene	<2.00		25.0	22.40		ug/L		90	51 - 134
Carbon tetrachloride	<2.00		25.0	24.17		ug/L		97	45 - 136
1,2-Dichloropropane	<1.00		25.0	21.60		ug/L		86	59 - 128
Chlorobenzene	<1.00		25.0	20.44		ug/L		82	59 - 120
1,3-Dichloropropane	<1.00		25.0	21.67		ug/L		87	58 - 125
Chlorodibromomethane	<5.00		25.0	20.26		ug/L		81	53 - 121
2,2-Dichloropropane	<4.00		25.0	15.98		ug/L		64	34 - 146
1,1-Dichloropropene	<1.00		25.0	21.92		ug/L		88	55 - 133
Chloroform	<3.00		25.0	22.09		ug/L		88	52 - 122
Chloroprene	<1.00		25.0	21.90		ug/L		88	48 - 136
2-Hexanone	<10.0		50.0	39.85		ug/L		80	46 - 141
cis-1,2-Dichloroethene	<1.00		25.0	22.54		ug/L		90	51 - 123
cis-1,3-Dichloropropene	<5.00		25.0	18.98		ug/L		76	55 - 123
Dibromomethane	<1.00		25.0	22.61		ug/L		90	57 - 122
Ethyl methacrylate	<2.00		25.0	21.26		ug/L		85	53 - 129
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	40.06		ug/L		80	49 - 138
Ethylbenzene	<1.00		25.0	20.99		ug/L		84	53 - 120
Iodomethane	<10.0		25.0	15.99		ug/L		64	18 - 150
Methacrylonitrile	<10.0		250	211.8		ug/L		85	53 - 128
Methyl methacrylate	<2.00		50.0	43.79		ug/L		88	48 - 137
Methylene Chloride	<5.00		25.0	25.08		ug/L		100	59 - 128
1,1,1,2-Tetrachloroethane	<1.00		25.0	23.39		ug/L		94	55 - 121

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-305114-1 MS
Matrix: Water
Analysis Batch: 452932

Client Sample ID: MW-14B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	<5.00		25.0	21.33		ug/L		85	45 - 144
1,1,2,2-Tetrachloroethane	<1.00		25.0	19.77		ug/L		79	55 - 123
Propionitrile	<10.0		250	204.1		ug/L		82	56 - 131
Styrene	<1.00		25.0	21.82		ug/L		87	50 - 125
Tetrachloroethene	<1.00		25.0	22.74		ug/L		91	51 - 128
Toluene	<1.00		25.0	21.04		ug/L		84	52 - 120
trans-1,2-Dichloroethene	<1.00		25.0	21.89		ug/L		88	53 - 127
trans-1,3-Dichloropropene	<5.00		25.0	19.78		ug/L		79	50 - 123
1,2,4-Trichlorobenzene	<5.00		25.0	22.05		ug/L		88	55 - 126
trans-1,4-Dichloro-2-butene	<10.0		25.0	18.14		ug/L		73	28 - 150
1,1,1-Trichloroethane	<1.00		25.0	21.98		ug/L		88	53 - 130
1,1,2-Trichloroethane	<1.00		25.0	22.11		ug/L		88	60 - 121
Trichloroethene	<1.00		25.0	20.86		ug/L		83	50 - 128
1,2,3-Trichloropropane	<1.00		25.0	19.13		ug/L		77	56 - 122
Vinyl acetate	<10.0		50.0	39.07		ug/L		78	31 - 150
Xylenes, Total	<3.00		50.0	43.73		ug/L		87	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*76 - 130*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: 310-305114-1 MSD
Matrix: Water
Analysis Batch: 452932

Client Sample ID: MW-14B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Butanone (MEK)	<10.0		50.0	37.71		ug/L		75	46 - 134	3	23
1,2-Dibromo-3-Chloropropane	<1.20		25.0	18.32		ug/L		73	44 - 138	11	24
Acetone	<10.0		50.0	40.33		ug/L		81	39 - 141	6	23
1,2-Dibromoethane (EDB)	<0.340		25.0	19.94		ug/L		80	60 - 122	10	20
Acrolein	<10.0		119	94.71		ug/L		80	39 - 150	7	33
Acrylonitrile	<5.00		250	197.7		ug/L		79	41 - 150	13	20
Allyl chloride	<2.00		25.0	20.94		ug/L		84	47 - 136	5	33
1,2-Dichlorobenzene	<1.00		25.0	18.53		ug/L		74	60 - 120	10	20
Benzene	<0.500		25.0	17.93		ug/L		72	48 - 125	11	20
1,3-Dichlorobenzene	<1.00		25.0	18.97		ug/L		76	58 - 120	15	20
Bromochloromethane	<5.00		25.0	19.58		ug/L		78	55 - 131	14	21
1,4-Dichlorobenzene	<1.00		25.0	17.27		ug/L		69	58 - 120	14	20
Bromodichloromethane	<1.00		25.0	18.65		ug/L		75	53 - 122	16	20
Bromoform	<5.00		25.0	18.04		ug/L		72	47 - 122	12	20
1,1-Dichloroethane	0.400	J	25.0	17.44		ug/L		68	53 - 127	14	20
1,2-Dichloroethane	<1.00		25.0	19.32		ug/L		77	48 - 128	13	20
Carbon disulfide	<1.00		25.0	20.22		ug/L		81	45 - 137	21	24
1,1-Dichloroethene	<2.00		25.0	19.23		ug/L		77	51 - 134	15	20
Carbon tetrachloride	<2.00		25.0	21.68		ug/L		87	45 - 136	11	20
1,2-Dichloropropane	<1.00		25.0	18.65		ug/L		75	59 - 128	15	20
Chlorobenzene	<1.00		25.0	17.69		ug/L		71	59 - 120	14	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-305114-1 MSD
Client Sample ID: MW-14B
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 452932

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3-Dichloropropane	<1.00		25.0	18.46		ug/L		74	58 - 125	16	20
Chlorodibromomethane	<5.00		25.0	18.00		ug/L		72	53 - 121	12	20
2,2-Dichloropropane	<4.00		25.0	14.91		ug/L		60	34 - 146	7	20
1,1-Dichloropropene	<1.00		25.0	19.70		ug/L		79	55 - 133	11	20
Chloroform	<3.00		25.0	19.01		ug/L		76	52 - 122	15	20
Chloroprene	<1.00		25.0	19.38		ug/L		78	48 - 136	12	20
2-Hexanone	<10.0		50.0	36.62		ug/L		73	46 - 141	8	20
cis-1,2-Dichloroethene	<1.00		25.0	19.26		ug/L		77	51 - 123	16	20
cis-1,3-Dichloropropene	<5.00		25.0	16.49		ug/L		66	55 - 123	14	20
Dibromomethane	<1.00		25.0	20.35		ug/L		81	57 - 122	11	20
Ethyl methacrylate	<2.00		25.0	19.25		ug/L		77	53 - 129	10	20
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	35.66		ug/L		71	49 - 138	12	20
Ethylbenzene	<1.00		25.0	18.38		ug/L		74	53 - 120	13	20
Iodomethane	<10.0		25.0	16.45		ug/L		66	18 - 150	3	32
Methacrylonitrile	<10.0		250	188.5		ug/L		75	53 - 128	12	20
Methyl methacrylate	<2.00		50.0	38.92		ug/L		78	48 - 137	12	20
Methylene Chloride	<5.00		25.0	22.01		ug/L		88	59 - 128	13	20
1,1,1,2-Tetrachloroethane	<1.00		25.0	19.98		ug/L		80	55 - 121	16	20
Naphthalene	<5.00		25.0	19.81		ug/L		79	45 - 144	7	32
1,1,2,2-Tetrachloroethane	<1.00		25.0	17.35		ug/L		69	55 - 123	13	20
Propionitrile	<10.0		250	184.3		ug/L		74	56 - 131	10	20
Styrene	<1.00		25.0	18.99		ug/L		76	50 - 125	14	20
Tetrachloroethene	<1.00		25.0	20.47		ug/L		82	51 - 128	11	20
Toluene	<1.00		25.0	18.47		ug/L		74	52 - 120	13	20
trans-1,2-Dichloroethene	<1.00		25.0	19.07		ug/L		76	53 - 127	14	20
trans-1,3-Dichloropropene	<5.00		25.0	17.69		ug/L		71	50 - 123	11	20
1,2,4-Trichlorobenzene	<5.00		25.0	19.97		ug/L		80	55 - 126	10	20
trans-1,4-Dichloro-2-butene	<10.0		25.0	14.51		ug/L		58	28 - 150	22	24
1,1,1-Trichloroethane	<1.00		25.0	19.25		ug/L		77	53 - 130	13	20
1,1,2-Trichloroethane	<1.00		25.0	18.95		ug/L		76	60 - 121	15	20
Trichloroethene	<1.00		25.0	18.82		ug/L		75	50 - 128	10	20
1,2,3-Trichloropropane	<1.00		25.0	17.22		ug/L		69	56 - 122	11	21
Vinyl acetate	<10.0		50.0	34.72		ug/L		69	31 - 150	12	25
Xylenes, Total	<3.00		50.0	37.24		ug/L		74	50 - 122	16	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*76 - 130*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 310-453064/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.500		0.500	0.220	ug/L			04/29/25 12:34	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-453064/5
Matrix: Water
Analysis Batch: 453064

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*107*		*76 - 130*		*04/29/25 12:34*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/29/25 12:34*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*04/29/25 12:34*	*1*

Lab Sample ID: LCS 310-453064/6
Matrix: Water
Analysis Batch: 453064

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	19.92		ug/L		100	71 - 125		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*102*		*76 - 130*
Toluene-d8 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*

Lab Sample ID: MB 310-453819/7
Matrix: Water
Analysis Batch: 453819

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/06/25 20:48	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/06/25 20:48	1
Acetone	<10.0		10.0	3.10	ug/L			05/06/25 20:48	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/06/25 20:48	1
Acrolein	<10.0		10.0	3.60	ug/L			05/06/25 20:48	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/06/25 20:48	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/06/25 20:48	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/06/25 20:48	1
Benzene	<0.500		0.500	0.220	ug/L			05/06/25 20:48	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/06/25 20:48	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/06/25 20:48	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/06/25 20:48	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/06/25 20:48	1
Bromoform	<5.00		5.00	0.780	ug/L			05/06/25 20:48	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/06/25 20:48	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/06/25 20:48	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/06/25 20:48	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/06/25 20:48	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/06/25 20:48	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/06/25 20:48	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/06/25 20:48	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/06/25 20:48	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/06/25 20:48	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/06/25 20:48	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/06/25 20:48	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/06/25 20:48	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/06/25 20:48	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-453819/7
Matrix: Water
Analysis Batch: 453819

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<3.00		3.00	1.30	ug/L			05/06/25 20:48	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/06/25 20:48	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/06/25 20:48	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/06/25 20:48	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/06/25 20:48	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/06/25 20:48	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/06/25 20:48	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/06/25 20:48	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/06/25 20:48	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/06/25 20:48	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/06/25 20:48	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/06/25 20:48	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/06/25 20:48	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/06/25 20:48	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/06/25 20:48	1
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/06/25 20:48	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/06/25 20:48	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/06/25 20:48	1
Propionitrile	<10.0		10.0	3.40	ug/L			05/06/25 20:48	1
Styrene	<1.00		1.00	0.370	ug/L			05/06/25 20:48	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/06/25 20:48	1
Toluene	<1.00		1.00	0.430	ug/L			05/06/25 20:48	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/06/25 20:48	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/06/25 20:48	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/06/25 20:48	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/06/25 20:48	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/06/25 20:48	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/06/25 20:48	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/06/25 20:48	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/06/25 20:48	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/06/25 20:48	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/06/25 20:48	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/06/25 20:48	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/06/25 20:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*05/06/25 20:48*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/06/25 20:48*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/06/25 20:48*	*1*

Lab Sample ID: LCS 310-453819/8
Matrix: Water
Analysis Batch: 453819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	40.0	38.70		ug/L		97	60 - 134
1,2-Dibromo-3-Chloropropane	20.0	18.73		ug/L		94	62 - 132
Acetone	40.0	42.78		ug/L		107	59 - 136

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-453819/8
Matrix: Water
Analysis Batch: 453819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	20.0	17.54		ug/L		88	74 - 122
Acrolein	94.8	84.44		ug/L		89	50 - 150
Acrylonitrile	200	201.2		ug/L		101	50 - 150
Allyl chloride	20.0	19.60		ug/L		98	61 - 136
1,2-Dichlorobenzene	20.0	19.30		ug/L		96	74 - 120
Benzene	20.0	19.91		ug/L		100	71 - 125
1,3-Dichlorobenzene	20.0	19.03		ug/L		95	71 - 120
Bromochloromethane	20.0	20.91		ug/L		105	69 - 131
1,4-Dichlorobenzene	20.0	18.64		ug/L		93	72 - 120
Bromodichloromethane	20.0	19.83		ug/L		99	70 - 122
Bromoform	20.0	18.54		ug/L		93	62 - 122
1,1-Dichloroethane	20.0	19.81		ug/L		99	69 - 127
1,2-Dichloroethane	20.0	21.07		ug/L		105	68 - 125
Carbon disulfide	20.0	21.93		ug/L		110	58 - 137
1,1-Dichloroethene	20.0	21.94		ug/L		110	64 - 134
Carbon tetrachloride	20.0	20.78		ug/L		104	63 - 136
1,2-Dichloropropane	20.0	20.27		ug/L		101	72 - 128
Chlorobenzene	20.0	19.53		ug/L		98	74 - 120
1,3-Dichloropropane	20.0	19.19		ug/L		96	72 - 125
Chlorodibromomethane	20.0	18.14		ug/L		91	69 - 121
2,2-Dichloropropane	20.0	17.23		ug/L		86	51 - 146
1,1-Dichloropropene	20.0	19.64		ug/L		98	70 - 133
Chloroform	20.0	21.36		ug/L		107	72 - 122
Chloroprene	20.0	19.77		ug/L		99	67 - 136
2-Hexanone	40.0	35.98		ug/L		90	62 - 139
cis-1,2-Dichloroethene	20.0	20.78		ug/L		104	72 - 123
cis-1,3-Dichloropropene	20.0	18.33		ug/L		92	72 - 123
Dibromomethane	20.0	22.16		ug/L		111	72 - 122
Ethyl methacrylate	20.0	20.64		ug/L		103	68 - 128
4-Methyl-2-pentanone (MIBK)	40.0	37.72		ug/L		94	62 - 136
Ethylbenzene	20.0	20.23		ug/L		101	75 - 120
Iodomethane	20.0	13.81		ug/L		69	18 - 150
Methacrylonitrile	200	180.7		ug/L		90	67 - 128
Methyl methacrylate	40.0	38.45		ug/L		96	69 - 129
Methylene Chloride	20.0	21.76		ug/L		109	72 - 128
1,1,1,2-Tetrachloroethane	20.0	20.43		ug/L		102	70 - 121
Naphthalene	20.0	18.71		ug/L		94	69 - 126
1,1,2,2-Tetrachloroethane	20.0	18.36		ug/L		92	70 - 122
Propionitrile	200	204.1		ug/L		102	68 - 131
Styrene	20.0	18.37		ug/L		92	74 - 122
Tetrachloroethene	20.0	19.77		ug/L		99	70 - 128
Toluene	20.0	21.00		ug/L		105	74 - 120
trans-1,2-Dichloroethene	20.0	20.31		ug/L		102	67 - 127
trans-1,3-Dichloropropene	20.0	17.60		ug/L		88	67 - 123
1,2,4-Trichlorobenzene	20.0	18.31		ug/L		92	69 - 125
trans-1,4-Dichloro-2-butene	20.0	17.96		ug/L		90	50 - 150
1,1,1-Trichloroethane	20.0	20.02		ug/L		100	69 - 130
1,1,2-Trichloroethane	20.0	18.56		ug/L		93	75 - 121
Trichloroethene	20.0	18.51		ug/L		93	70 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-453819/8
Matrix: Water
Analysis Batch: 453819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	20.0	18.10		ug/L		91	70 - 122
Vinyl acetate	40.0	33.25		ug/L		83	50 - 150
Xylenes, Total	40.0	41.02		ug/L		103	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*76 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: LCS 310-453819/9
Matrix: Water
Analysis Batch: 453819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	13.77		ug/L		69	33 - 138
Chloroethane	20.0	17.37		ug/L		87	59 - 139
Chloromethane	20.0	18.23		ug/L		91	52 - 146
Dichlorodifluoromethane	20.0	19.55		ug/L		98	45 - 150
Trichlorofluoromethane	20.0	17.70		ug/L		88	55 - 150
Vinyl chloride	20.0	16.06		ug/L		80	60 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*115*		*76 - 130*
Toluene-d8 (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-452882/1-A
Matrix: Water
Analysis Batch: 453654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		04/28/25 11:23	05/05/25 16:00	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		04/28/25 11:23	05/05/25 16:00	1
Acetophenone	<10.0		10.0	0.690	ug/L		04/28/25 11:23	05/05/25 16:00	1
Anthracene	<10.0		10.0	0.870	ug/L		04/28/25 11:23	05/05/25 16:00	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		04/28/25 11:23	05/05/25 16:00	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		04/28/25 11:23	05/05/25 16:00	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		04/28/25 11:23	05/05/25 16:00	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		04/28/25 11:23	05/05/25 16:00	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		04/28/25 11:23	05/05/25 16:00	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		04/28/25 11:23	05/05/25 16:00	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		04/28/25 11:23	05/05/25 16:00	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		04/28/25 11:23	05/05/25 16:00	1
bis (2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		04/28/25 11:23	05/05/25 16:00	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		04/28/25 11:23	05/05/25 16:00	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		04/28/25 11:23	05/05/25 16:00	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-452882/1-A
Matrix: Water
Analysis Batch: 453654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		04/28/25 11:23	05/05/25 16:00	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		04/28/25 11:23	05/05/25 16:00	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		04/28/25 11:23	05/05/25 16:00	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		04/28/25 11:23	05/05/25 16:00	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		04/28/25 11:23	05/05/25 16:00	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		04/28/25 11:23	05/05/25 16:00	1
Chrysene	<10.0		10.0	0.870	ug/L		04/28/25 11:23	05/05/25 16:00	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		04/28/25 11:23	05/05/25 16:00	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		04/28/25 11:23	05/05/25 16:00	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		04/28/25 11:23	05/05/25 16:00	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		04/28/25 11:23	05/05/25 16:00	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		04/28/25 11:23	05/05/25 16:00	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		04/28/25 11:23	05/05/25 16:00	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		04/28/25 11:23	05/05/25 16:00	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		04/28/25 11:23	05/05/25 16:00	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		04/28/25 11:23	05/05/25 16:00	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		04/28/25 11:23	05/05/25 16:00	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		04/28/25 11:23	05/05/25 16:00	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		04/28/25 11:23	05/05/25 16:00	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		04/28/25 11:23	05/05/25 16:00	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		04/28/25 11:23	05/05/25 16:00	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		04/28/25 11:23	05/05/25 16:00	1
Diphenylamine	<10.0		10.0	6.00	ug/L		04/28/25 11:23	05/05/25 16:00	1
Fluoranthene	<10.0		10.0	1.70	ug/L		04/28/25 11:23	05/05/25 16:00	1
Fluorene	<10.0		10.0	0.790	ug/L		04/28/25 11:23	05/05/25 16:00	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		04/28/25 11:23	05/05/25 16:00	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		04/28/25 11:23	05/05/25 16:00	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		04/28/25 11:23	05/05/25 16:00	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		04/28/25 11:23	05/05/25 16:00	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		04/28/25 11:23	05/05/25 16:00	1
Isophorone	<10.0		10.0	0.930	ug/L		04/28/25 11:23	05/05/25 16:00	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		04/28/25 11:23	05/05/25 16:00	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		04/28/25 11:23	05/05/25 16:00	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		04/28/25 11:23	05/05/25 16:00	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		04/28/25 11:23	05/05/25 16:00	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		04/28/25 11:23	05/05/25 16:00	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		04/28/25 11:23	05/05/25 16:00	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		04/28/25 11:23	05/05/25 16:00	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		04/28/25 11:23	05/05/25 16:00	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		04/28/25 11:23	05/05/25 16:00	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		04/28/25 11:23	05/05/25 16:00	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		04/28/25 11:23	05/05/25 16:00	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		04/28/25 11:23	05/05/25 16:00	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		04/28/25 11:23	05/05/25 16:00	1
Phenanthrene	<10.0		10.0	0.790	ug/L		04/28/25 11:23	05/05/25 16:00	1
Phenol	<10.0		10.0	1.10	ug/L		04/28/25 11:23	05/05/25 16:00	1
Pyrene	<10.0		10.0	0.790	ug/L		04/28/25 11:23	05/05/25 16:00	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		04/28/25 11:23	05/05/25 16:00	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		04/28/25 11:23	05/05/25 16:00	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-452882/1-A
Matrix: Water
Analysis Batch: 453654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		04/28/25 11:23	05/05/25 16:00	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		04/28/25 11:23	05/05/25 16:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*39 - 118*	*04/28/25 11:23*	*05/05/25 16:00*	*1*
2-Fluorophenol (Surr)	*66*		*25 - 110*	*04/28/25 11:23*	*05/05/25 16:00*	*1*
Nitrobenzene-d5 (Surr)	*87*		*45 - 129*	*04/28/25 11:23*	*05/05/25 16:00*	*1*
Phenol-d5 (Surr)	*56*		*21 - 110*	*04/28/25 11:23*	*05/05/25 16:00*	*1*
Terphenyl-d14 (Surr)	*81*		*12 - 144*	*04/28/25 11:23*	*05/05/25 16:00*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*27 - 136*	*04/28/25 11:23*	*05/05/25 16:00*	*1*

Lab Sample ID: MB 310-452882/1-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		04/28/25 11:23	05/06/25 11:44	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		04/28/25 11:23	05/06/25 11:44	1
Acetophenone	<10.0		10.0	0.690	ug/L		04/28/25 11:23	05/06/25 11:44	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		04/28/25 11:23	05/06/25 11:44	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		04/28/25 11:23	05/06/25 11:44	1
Anthracene	<10.0		10.0	0.870	ug/L		04/28/25 11:23	05/06/25 11:44	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		04/28/25 11:23	05/06/25 11:44	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		04/28/25 11:23	05/06/25 11:44	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		04/28/25 11:23	05/06/25 11:44	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		04/28/25 11:23	05/06/25 11:44	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		04/28/25 11:23	05/06/25 11:44	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		04/28/25 11:23	05/06/25 11:44	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		04/28/25 11:23	05/06/25 11:44	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		04/28/25 11:23	05/06/25 11:44	1
bis (2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		04/28/25 11:23	05/06/25 11:44	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		04/28/25 11:23	05/06/25 11:44	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		04/28/25 11:23	05/06/25 11:44	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		04/28/25 11:23	05/06/25 11:44	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		04/28/25 11:23	05/06/25 11:44	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		04/28/25 11:23	05/06/25 11:44	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		04/28/25 11:23	05/06/25 11:44	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		04/28/25 11:23	05/06/25 11:44	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		04/28/25 11:23	05/06/25 11:44	1
Chrysene	<10.0		10.0	0.870	ug/L		04/28/25 11:23	05/06/25 11:44	1
Diallate	<10.0		10.0	4.00	ug/L		04/28/25 11:23	05/06/25 11:44	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		04/28/25 11:23	05/06/25 11:44	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		04/28/25 11:23	05/06/25 11:44	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		04/28/25 11:23	05/06/25 11:44	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		04/28/25 11:23	05/06/25 11:44	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		04/28/25 11:23	05/06/25 11:44	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		04/28/25 11:23	05/06/25 11:44	1
Dimethoate	<10.0		10.0	3.60	ug/L		04/28/25 11:23	05/06/25 11:44	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-452882/1-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		04/28/25 11:23	05/06/25 11:44	1
3,3'-Dimethylbenzidine	<10.0		10.0	1.50	ug/L		04/28/25 11:23	05/06/25 11:44	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		04/28/25 11:23	05/06/25 11:44	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		04/28/25 11:23	05/06/25 11:44	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		04/28/25 11:23	05/06/25 11:44	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		04/28/25 11:23	05/06/25 11:44	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		04/28/25 11:23	05/06/25 11:44	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		04/28/25 11:23	05/06/25 11:44	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		04/28/25 11:23	05/06/25 11:44	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		04/28/25 11:23	05/06/25 11:44	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		04/28/25 11:23	05/06/25 11:44	1
Dinoseb	<10.0		10.0	2.40	ug/L		04/28/25 11:23	05/06/25 11:44	1
Diphenylamine	<10.0		10.0	6.00	ug/L		04/28/25 11:23	05/06/25 11:44	1
Disulfoton	<10.0		10.0	2.40	ug/L		04/28/25 11:23	05/06/25 11:44	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		04/28/25 11:23	05/06/25 11:44	1
Ethyl Parathion	<10.0		10.0	2.20	ug/L		04/28/25 11:23	05/06/25 11:44	1
Fluoranthene	<10.0		10.0	1.70	ug/L		04/28/25 11:23	05/06/25 11:44	1
Fluorene	<10.0		10.0	0.790	ug/L		04/28/25 11:23	05/06/25 11:44	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		04/28/25 11:23	05/06/25 11:44	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		04/28/25 11:23	05/06/25 11:44	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		04/28/25 11:23	05/06/25 11:44	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		04/28/25 11:23	05/06/25 11:44	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		04/28/25 11:23	05/06/25 11:44	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		04/28/25 11:23	05/06/25 11:44	1
Isodrin	<10.0		10.0	4.70	ug/L		04/28/25 11:23	05/06/25 11:44	1
Isophorone	<10.0		10.0	0.930	ug/L		04/28/25 11:23	05/06/25 11:44	1
Isosafrole	<10.0		10.0	2.30	ug/L		04/28/25 11:23	05/06/25 11:44	1
Kepone	<10.0		10.0	1.00	ug/L		04/28/25 11:23	05/06/25 11:44	1
Methapyrilene	<10.0		10.0	0.760	ug/L		04/28/25 11:23	05/06/25 11:44	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		04/28/25 11:23	05/06/25 11:44	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		04/28/25 11:23	05/06/25 11:44	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		04/28/25 11:23	05/06/25 11:44	1
Methyl parathion	<10.0		10.0	2.30	ug/L		04/28/25 11:23	05/06/25 11:44	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		04/28/25 11:23	05/06/25 11:44	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		04/28/25 11:23	05/06/25 11:44	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		04/28/25 11:23	05/06/25 11:44	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		04/28/25 11:23	05/06/25 11:44	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		04/28/25 11:23	05/06/25 11:44	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		04/28/25 11:23	05/06/25 11:44	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		04/28/25 11:23	05/06/25 11:44	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		04/28/25 11:23	05/06/25 11:44	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		04/28/25 11:23	05/06/25 11:44	1
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		04/28/25 11:23	05/06/25 11:44	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		04/28/25 11:23	05/06/25 11:44	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		04/28/25 11:23	05/06/25 11:44	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		04/28/25 11:23	05/06/25 11:44	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		04/28/25 11:23	05/06/25 11:44	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		04/28/25 11:23	05/06/25 11:44	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		04/28/25 11:23	05/06/25 11:44	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-452882/1-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		04/28/25 11:23	05/06/25 11:44	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		04/28/25 11:23	05/06/25 11:44	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		04/28/25 11:23	05/06/25 11:44	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		04/28/25 11:23	05/06/25 11:44	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		04/28/25 11:23	05/06/25 11:44	1
o-Toluidine	<10.0		10.0	2.90	ug/L		04/28/25 11:23	05/06/25 11:44	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		04/28/25 11:23	05/06/25 11:44	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		04/28/25 11:23	05/06/25 11:44	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		04/28/25 11:23	05/06/25 11:44	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		04/28/25 11:23	05/06/25 11:44	1
Phenacetin	<10.0		10.0	1.90	ug/L		04/28/25 11:23	05/06/25 11:44	1
Phenanthrene	<10.0		10.0	0.790	ug/L		04/28/25 11:23	05/06/25 11:44	1
Phenol	<10.0		10.0	1.10	ug/L		04/28/25 11:23	05/06/25 11:44	1
1,4-phenylenediamine	<10.0		10.0	1.90	ug/L		04/28/25 11:23	05/06/25 11:44	1
Phorate	<10.0		10.0	3.20	ug/L		04/28/25 11:23	05/06/25 11:44	1
Pronamide	<10.0		10.0	2.70	ug/L		04/28/25 11:23	05/06/25 11:44	1
Pyrene	<10.0		10.0	0.790	ug/L		04/28/25 11:23	05/06/25 11:44	1
Safrole	<10.0		10.0	2.80	ug/L		04/28/25 11:23	05/06/25 11:44	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		04/28/25 11:23	05/06/25 11:44	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		04/28/25 11:23	05/06/25 11:44	1
Thionazin	<10.0		10.0	3.50	ug/L		04/28/25 11:23	05/06/25 11:44	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		04/28/25 11:23	05/06/25 11:44	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		04/28/25 11:23	05/06/25 11:44	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		04/28/25 11:23	05/06/25 11:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*85*		*39 - 118*	*04/28/25 11:23*	*05/06/25 11:44*	*1*
2-Fluorophenol (Surr)	*70*		*25 - 110*	*04/28/25 11:23*	*05/06/25 11:44*	*1*
Nitrobenzene-d5 (Surr)	*97*		*45 - 129*	*04/28/25 11:23*	*05/06/25 11:44*	*1*
Phenol-d5 (Surr)	*61*		*21 - 110*	*04/28/25 11:23*	*05/06/25 11:44*	*1*
Terphenyl-d14 (Surr)	*110*		*12 - 144*	*04/28/25 11:23*	*05/06/25 11:44*	*1*
2,4,6-Tribromophenol (Surr)	*96*		*27 - 136*	*04/28/25 11:23*	*05/06/25 11:44*	*1*

Lab Sample ID: MB 310-452882/1-A
Matrix: Water
Analysis Batch: 454001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		04/28/25 11:23	05/07/25 13:57	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		04/28/25 11:23	05/07/25 13:57	1
Acetophenone	<10.0		10.0	0.690	ug/L		04/28/25 11:23	05/07/25 13:57	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		04/28/25 11:23	05/07/25 13:57	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		04/28/25 11:23	05/07/25 13:57	1
Anthracene	<10.0		10.0	0.870	ug/L		04/28/25 11:23	05/07/25 13:57	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		04/28/25 11:23	05/07/25 13:57	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		04/28/25 11:23	05/07/25 13:57	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		04/28/25 11:23	05/07/25 13:57	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		04/28/25 11:23	05/07/25 13:57	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-452882/1-A
Matrix: Water
Analysis Batch: 454001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		04/28/25 11:23	05/07/25 13:57	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		04/28/25 11:23	05/07/25 13:57	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		04/28/25 11:23	05/07/25 13:57	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		04/28/25 11:23	05/07/25 13:57	1
bis (2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		04/28/25 11:23	05/07/25 13:57	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		04/28/25 11:23	05/07/25 13:57	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		04/28/25 11:23	05/07/25 13:57	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		04/28/25 11:23	05/07/25 13:57	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		04/28/25 11:23	05/07/25 13:57	1
Chlorobenzilate	<10.0		10.0	3.60	ug/L		04/28/25 11:23	05/07/25 13:57	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		04/28/25 11:23	05/07/25 13:57	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		04/28/25 11:23	05/07/25 13:57	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		04/28/25 11:23	05/07/25 13:57	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		04/28/25 11:23	05/07/25 13:57	1
Chrysene	<10.0		10.0	0.870	ug/L		04/28/25 11:23	05/07/25 13:57	1
Diallate	<10.0		10.0	4.00	ug/L		04/28/25 11:23	05/07/25 13:57	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		04/28/25 11:23	05/07/25 13:57	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		04/28/25 11:23	05/07/25 13:57	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		04/28/25 11:23	05/07/25 13:57	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		04/28/25 11:23	05/07/25 13:57	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		04/28/25 11:23	05/07/25 13:57	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		04/28/25 11:23	05/07/25 13:57	1
Dimethoate	<10.0		10.0	3.60	ug/L		04/28/25 11:23	05/07/25 13:57	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		04/28/25 11:23	05/07/25 13:57	1
3,3'-Dimethylbenzidine	<10.0		10.0	1.50	ug/L		04/28/25 11:23	05/07/25 13:57	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		04/28/25 11:23	05/07/25 13:57	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		04/28/25 11:23	05/07/25 13:57	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		04/28/25 11:23	05/07/25 13:57	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		04/28/25 11:23	05/07/25 13:57	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		04/28/25 11:23	05/07/25 13:57	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		04/28/25 11:23	05/07/25 13:57	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		04/28/25 11:23	05/07/25 13:57	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		04/28/25 11:23	05/07/25 13:57	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		04/28/25 11:23	05/07/25 13:57	1
Dinoseb	<10.0		10.0	2.40	ug/L		04/28/25 11:23	05/07/25 13:57	1
Diphenylamine	<10.0		10.0	6.00	ug/L		04/28/25 11:23	05/07/25 13:57	1
Disulfoton	<10.0		10.0	2.40	ug/L		04/28/25 11:23	05/07/25 13:57	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		04/28/25 11:23	05/07/25 13:57	1
Ethyl Parathion	<10.0		10.0	2.20	ug/L		04/28/25 11:23	05/07/25 13:57	1
Fluoranthene	<10.0		10.0	1.70	ug/L		04/28/25 11:23	05/07/25 13:57	1
Fluorene	<10.0		10.0	0.790	ug/L		04/28/25 11:23	05/07/25 13:57	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		04/28/25 11:23	05/07/25 13:57	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		04/28/25 11:23	05/07/25 13:57	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		04/28/25 11:23	05/07/25 13:57	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		04/28/25 11:23	05/07/25 13:57	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		04/28/25 11:23	05/07/25 13:57	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		04/28/25 11:23	05/07/25 13:57	1
Isodrin	<10.0		10.0	4.70	ug/L		04/28/25 11:23	05/07/25 13:57	1
Isophorone	<10.0		10.0	0.930	ug/L		04/28/25 11:23	05/07/25 13:57	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-452882/1-A
Matrix: Water
Analysis Batch: 454001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isosafrole	<10.0		10.0	2.30	ug/L		04/28/25 11:23	05/07/25 13:57	1
Kepone	<10.0		10.0	1.00	ug/L		04/28/25 11:23	05/07/25 13:57	1
Methapyrilene	<10.0		10.0	0.760	ug/L		04/28/25 11:23	05/07/25 13:57	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		04/28/25 11:23	05/07/25 13:57	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		04/28/25 11:23	05/07/25 13:57	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		04/28/25 11:23	05/07/25 13:57	1
Methyl parathion	<10.0		10.0	2.30	ug/L		04/28/25 11:23	05/07/25 13:57	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		04/28/25 11:23	05/07/25 13:57	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		04/28/25 11:23	05/07/25 13:57	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		04/28/25 11:23	05/07/25 13:57	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		04/28/25 11:23	05/07/25 13:57	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		04/28/25 11:23	05/07/25 13:57	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		04/28/25 11:23	05/07/25 13:57	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		04/28/25 11:23	05/07/25 13:57	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		04/28/25 11:23	05/07/25 13:57	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		04/28/25 11:23	05/07/25 13:57	1
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		04/28/25 11:23	05/07/25 13:57	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		04/28/25 11:23	05/07/25 13:57	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		04/28/25 11:23	05/07/25 13:57	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		04/28/25 11:23	05/07/25 13:57	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		04/28/25 11:23	05/07/25 13:57	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		04/28/25 11:23	05/07/25 13:57	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		04/28/25 11:23	05/07/25 13:57	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		04/28/25 11:23	05/07/25 13:57	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		04/28/25 11:23	05/07/25 13:57	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		04/28/25 11:23	05/07/25 13:57	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		04/28/25 11:23	05/07/25 13:57	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		04/28/25 11:23	05/07/25 13:57	1
o-Toluidine	<10.0		10.0	2.90	ug/L		04/28/25 11:23	05/07/25 13:57	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		04/28/25 11:23	05/07/25 13:57	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		04/28/25 11:23	05/07/25 13:57	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		04/28/25 11:23	05/07/25 13:57	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		04/28/25 11:23	05/07/25 13:57	1
Phenacetin	<10.0		10.0	1.90	ug/L		04/28/25 11:23	05/07/25 13:57	1
Phenanthrene	<10.0		10.0	0.790	ug/L		04/28/25 11:23	05/07/25 13:57	1
Phenol	<10.0		10.0	1.10	ug/L		04/28/25 11:23	05/07/25 13:57	1
1,4-phenylenediamine	<10.0		10.0	1.90	ug/L		04/28/25 11:23	05/07/25 13:57	1
Phorate	<10.0		10.0	3.20	ug/L		04/28/25 11:23	05/07/25 13:57	1
Pronamide	<10.0		10.0	2.70	ug/L		04/28/25 11:23	05/07/25 13:57	1
Pyrene	<10.0		10.0	0.790	ug/L		04/28/25 11:23	05/07/25 13:57	1
Safrole	<10.0		10.0	2.80	ug/L		04/28/25 11:23	05/07/25 13:57	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		04/28/25 11:23	05/07/25 13:57	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		04/28/25 11:23	05/07/25 13:57	1
Thionazin	<10.0		10.0	3.50	ug/L		04/28/25 11:23	05/07/25 13:57	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		04/28/25 11:23	05/07/25 13:57	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		04/28/25 11:23	05/07/25 13:57	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		04/28/25 11:23	05/07/25 13:57	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-452882/1-A
Matrix: Water
Analysis Batch: 454212

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Famphur	<10.0		10.0	3.80	ug/L		04/28/25 11:23	05/09/25 10:10	1

Lab Sample ID: LCS 310-452882/2-A
Matrix: Water
Analysis Batch: 453654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	77.69		ug/L		78	43 - 110
Acenaphthylene	100	73.12		ug/L		73	40 - 110
Acetophenone	100	78.51		ug/L		79	48 - 119
Anthracene	100	75.00		ug/L		75	51 - 120
Benzo[a]anthracene	100	86.61		ug/L		87	51 - 123
Benzo[a]pyrene	100	96.96		ug/L		97	48 - 125
Benzo[b]fluoranthene	100	88.01		ug/L		88	49 - 129
Benzo[g,h,i]perylene	100	89.37		ug/L		89	43 - 139
Benzo[k]fluoranthene	100	91.77		ug/L		92	47 - 130
Benzyl alcohol	100	79.90		ug/L		80	39 - 128
Bis(2-chloroethoxy)methane	100	84.26		ug/L		84	48 - 121
Bis(2-chloroethyl)ether	100	68.68		ug/L		69	43 - 123
bis (2-chloroisopropyl) ether	100	83.64		ug/L		84	34 - 123
Bis(2-ethylhexyl) phthalate	100	110.6		ug/L		111	43 - 143
4-Bromophenyl phenyl ether	100	82.76		ug/L		83	45 - 119
Butyl benzyl phthalate	100	97.24		ug/L		97	46 - 135
4-Chloroaniline	100	70.80		ug/L		71	21 - 139
4-Chloro-3-methylphenol	100	81.51		ug/L		82	49 - 130
2-Chloronaphthalene	100	79.12		ug/L		79	37 - 110
2-Chlorophenol	100	75.62		ug/L		76	44 - 117
4-Chlorophenyl phenyl ether	100	70.62		ug/L		71	44 - 116
Chrysene	100	87.05		ug/L		87	51 - 125
Dibenzo(a,h)anthracene	100	86.82		ug/L		87	38 - 149
Dibenzofuran	100	70.60		ug/L		71	45 - 112
2,4-Dichlorophenol	100	79.98		ug/L		80	41 - 124
2,6-Dichlorophenol	100	74.89		ug/L		75	30 - 130
Diethyl phthalate	100	78.93		ug/L		79	43 - 135
2,4-Dimethylphenol	100	80.40		ug/L		80	31 - 142
Dimethyl phthalate	100	81.42		ug/L		81	43 - 129
Di-n-butyl phthalate	100	87.20		ug/L		87	50 - 133
1,3-Dinitrobenzene	100	96.22		ug/L		96	45 - 138
4,6-Dinitro-2-methylphenol	200	168.9		ug/L		84	22 - 143
2,4-Dinitrophenol	200	117.8		ug/L		59	10 - 138
2,4-Dinitrotoluene	100	76.86		ug/L		77	47 - 137
2,6-Dinitrotoluene	100	84.82		ug/L		85	51 - 130
Di-n-octyl phthalate	100	96.59		ug/L		97	34 - 150
Fluoranthene	100	81.35		ug/L		81	47 - 128
Fluorene	100	65.36		ug/L		65	45 - 119
Hexachlorobenzene	100	74.70		ug/L		75	48 - 119
Hexachlorobutadiene	100	61.72		ug/L		62	32 - 110
Hexachlorocyclopentadiene	100	68.36		ug/L		68	10 - 110
Hexachloroethane	100	57.54		ug/L		58	31 - 110

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-452882/2-A
Matrix: Water
Analysis Batch: 453654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Indeno[1,2,3-cd]pyrene	100	79.12		ug/L		79	37 - 150
Isophorone	100	83.29		ug/L		83	50 - 125
2-Methylnaphthalene	100	69.55		ug/L		70	33 - 110
2-Methylphenol	100	78.06		ug/L		78	47 - 118
Methylphenol, 3 & 4	100	73.92		ug/L		74	46 - 117
2-Nitroaniline	100	88.74		ug/L		89	50 - 135
3-Nitroaniline	100	87.67		ug/L		88	42 - 139
4-Nitroaniline	100	76.20		ug/L		76	31 - 145
Nitrobenzene	100	81.92		ug/L		82	47 - 116
2-Nitrophenol	100	86.89		ug/L		87	41 - 129
4-Nitrophenol	200	110.9		ug/L		55	18 - 110
N-Nitrosodimethylamine	100	69.55		ug/L		70	37 - 110
N-Nitrosodi-n-propylamine	100	78.95		ug/L		79	45 - 130
N-Nitrosodiphenylamine	100	90.85		ug/L		91	49 - 121
Pentachlorophenol	200	142.3		ug/L		71	26 - 133
Phenanthrene	100	73.34		ug/L		73	51 - 117
Phenol	100	53.71		ug/L		54	29 - 110
Pyrene	100	85.29		ug/L		85	48 - 127
1,2,4,5-Tetrachlorobenzene	100	67.93		ug/L		68	36 - 110
2,3,4,6-Tetrachlorophenol	100	83.10		ug/L		83	33 - 134
2,4,5-Trichlorophenol	100	69.21		ug/L		69	35 - 133
2,4,6-Trichlorophenol	100	84.08		ug/L		84	28 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*75*		*39 - 118*
2-Fluorophenol (Surr)	*65*		*25 - 110*
Nitrobenzene-d5 (Surr)	*87*		*45 - 129*
Phenol-d5 (Surr)	*50*		*21 - 110*
Terphenyl-d14 (Surr)	*79*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*78*		*27 - 136*

Lab Sample ID: LCS 310-452882/2-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	78.66		ug/L		79	43 - 110
Acenaphthylene	100	81.15		ug/L		81	40 - 110
Acetophenone	100	80.29		ug/L		80	48 - 119
2-Acetylaminofluorene	51.2	38.51		ug/L		75	35 - 150
4-Aminobiphenyl	51.2	37.94		ug/L		74	24 - 138
Anthracene	100	82.66		ug/L		83	51 - 120
Benzo[a]anthracene	100	83.05		ug/L		83	51 - 123
Benzo[a]pyrene	100	83.72		ug/L		84	48 - 125
Benzo[b]fluoranthene	100	82.53		ug/L		83	49 - 129
Benzo[g,h,i]perylene	100	74.09		ug/L		74	43 - 139
Benzo[k]fluoranthene	100	94.95		ug/L		95	47 - 130
Benzyl alcohol	100	78.98		ug/L		79	39 - 128

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-452882/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453792
Prep Batch: 452882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	100	85.52		ug/L		86	48 - 121
Bis(2-chloroethyl)ether	100	77.87		ug/L		78	43 - 123
bis (2-chloroisopropyl) ether	100	75.56		ug/L		76	34 - 123
Bis(2-ethylhexyl) phthalate	100	85.80		ug/L		86	43 - 143
4-Bromophenyl phenyl ether	100	85.24		ug/L		85	45 - 119
Butyl benzyl phthalate	100	86.97		ug/L		87	46 - 135
4-Chloroaniline	100	81.87		ug/L		82	21 - 139
4-Chloro-3-methylphenol	100	90.48		ug/L		90	49 - 130
2-Chloronaphthalene	100	74.11		ug/L		74	37 - 110
2-Chlorophenol	100	78.80		ug/L		79	44 - 117
4-Chlorophenyl phenyl ether	100	79.52		ug/L		80	44 - 116
Chrysene	100	84.75		ug/L		85	51 - 125
Diallate	44.8	44.60		ug/L		100	42 - 141
Dibenzo(a,h)anthracene	100	82.39		ug/L		82	38 - 149
Dibenzofuran	100	79.44		ug/L		79	45 - 112
2,4-Dichlorophenol	100	88.90		ug/L		89	41 - 124
2,6-Dichlorophenol	100	87.26		ug/L		87	30 - 130
Diethyl phthalate	100	84.43		ug/L		84	43 - 135
Dimethoate	44.8	46.15		ug/L		103	51 - 150
7,12-Dimethylbenz(a)anthracene	51.2	38.92		ug/L		76	51 - 129
3,3'-Dimethylbenzidine	51.2	26.50		ug/L		52	10 - 150
2,4-Dimethylphenol	100	84.76		ug/L		85	31 - 142
Dimethyl phthalate	100	84.82		ug/L		85	43 - 129
Di-n-butyl phthalate	100	91.54		ug/L		92	50 - 133
1,3-Dinitrobenzene	100	87.94		ug/L		88	45 - 138
4,6-Dinitro-2-methylphenol	200	151.0		ug/L		76	22 - 143
2,4-Dinitrophenol	200	115.2		ug/L		58	10 - 138
2,4-Dinitrotoluene	100	90.84		ug/L		91	47 - 137
2,6-Dinitrotoluene	100	90.32		ug/L		90	51 - 130
Di-n-octyl phthalate	100	80.12		ug/L		80	34 - 150
Dinoseb	51.2	41.12		ug/L		80	25 - 146
Disulfoton	44.8	38.97		ug/L		87	54 - 131
Ethyl methanesulfonate	51.2	39.25		ug/L		77	48 - 120
Ethyl Parathion	44.8	38.89		ug/L		87	52 - 149
Fluoranthene	100	82.63		ug/L		83	47 - 128
Fluorene	100	79.88		ug/L		80	45 - 119
Hexachlorobenzene	100	82.81		ug/L		83	48 - 119
Hexachlorobutadiene	100	64.45		ug/L		64	32 - 110
Hexachlorocyclopentadiene	100	62.66		ug/L		63	10 - 110
Hexachloroethane	100	52.49		ug/L		52	31 - 110
Hexachloropropene	51.2	12.34		ug/L		24	10 - 110
Indeno[1,2,3-cd]pyrene	100	71.40		ug/L		71	37 - 150
Isodrin	51.2	40.24		ug/L		79	52 - 125
Isophorone	100	86.22		ug/L		86	50 - 125
Methapyrilene	44.8	13.74		ug/L		31	10 - 110
Methyl methanesulfonate	51.2	32.45		ug/L		63	36 - 110
2-Methylnaphthalene	100	75.33		ug/L		75	33 - 110
Methyl parathion	44.8	46.21		ug/L		103	50 - 150
2-Methylphenol	100	75.20		ug/L		75	47 - 118

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-452882/2-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylphenol, 3 & 4	100	75.81		ug/L		76	46 - 117
1,4-Naphthoquinone	51.2	48.06		ug/L		94	37 - 149
1-Naphthylamine	51.2	24.89		ug/L		49	19 - 110
2-Naphthylamine	51.2	37.00		ug/L		72	18 - 127
2-Nitroaniline	100	93.80		ug/L		94	50 - 135
3-Nitroaniline	100	88.30		ug/L		88	42 - 139
4-Nitroaniline	100	80.54		ug/L		81	31 - 145
Nitrobenzene	100	82.21		ug/L		82	47 - 116
5-Nitro-o-toluidine	51.2	47.04		ug/L		92	47 - 145
2-Nitrophenol	100	96.71		ug/L		97	41 - 129
4-Nitrophenol	200	101.5		ug/L		51	18 - 110
N-Nitrosodiethylamine	51.2	39.92		ug/L		78	47 - 138
N-Nitrosodimethylamine	100	66.79		ug/L		67	37 - 110
N-Nitrosodi-n-butylamine	51.2	46.81		ug/L		91	52 - 142
N-Nitrosodi-n-propylamine	100	79.84		ug/L		80	45 - 130
N-Nitrosodiphenylamine	100	85.35		ug/L		85	49 - 121
N-Nitrosomethylethylamine	51.2	40.36		ug/L		79	54 - 123
N-Nitrosopiperidine	51.2	45.15		ug/L		88	60 - 127
N-Nitrosopyrrolidine	51.2	44.81		ug/L		88	56 - 143
o,o',o''-Triethylphosphorothioate	44.8	37.84		ug/L		84	45 - 113
o-Toluidine	51.2	36.12		ug/L		71	24 - 142
p-Dimethylamino azobenzene	51.2	50.96		ug/L		100	42 - 138
Pentachlorobenzene	51.2	35.95		ug/L		70	33 - 110
Pentachloronitrobenzene	51.2	43.47		ug/L		85	65 - 127
Pentachlorophenol	200	142.5		ug/L		71	26 - 133
Phenacetin	51.2	42.26		ug/L		83	56 - 146
Phenanthrene	100	82.52		ug/L		83	51 - 117
Phenol	100	55.49		ug/L		55	29 - 110
1,4-phenylenediamine	51.2	<10.0	*-	ug/L		-1	20 - 120
Phorate	44.8	38.86		ug/L		87	57 - 135
Pronamide	51.2	45.35		ug/L		89	61 - 144
Pyrene	100	83.51		ug/L		84	48 - 127
Safrole	44.8	38.06		ug/L		85	34 - 110
1,2,4,5-Tetrachlorobenzene	100	72.51		ug/L		73	36 - 110
2,3,4,6-Tetrachlorophenol	100	79.95		ug/L		80	33 - 134
Thionazin	44.8	40.86		ug/L		91	52 - 147
2,4,5-Trichlorophenol	100	85.87		ug/L		86	35 - 133
2,4,6-Trichlorophenol	100	87.11		ug/L		87	28 - 139
1,3,5-Trinitrobenzene	51.2	38.69		ug/L		76	39 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*78*		*39 - 118*
2-Fluorophenol (Surr)	*62*		*25 - 110*
Nitrobenzene-d5 (Surr)	*83*		*45 - 129*
Phenol-d5 (Surr)	*53*		*21 - 110*
Terphenyl-d14 (Surr)	*90*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*96*		*27 - 136*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-452882/2-A
Matrix: Water
Analysis Batch: 454001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	78.38		ug/L		78	43 - 110
Acenaphthylene	100	81.20		ug/L		81	40 - 110
Acetophenone	100	79.78		ug/L		80	48 - 119
2-Acetylaminofluorene	51.2	37.60		ug/L		73	35 - 150
4-Aminobiphenyl	51.2	37.49		ug/L		73	24 - 138
Anthracene	100	82.52		ug/L		83	51 - 120
Benzo[a]anthracene	100	81.26		ug/L		81	51 - 123
Benzo[a]pyrene	100	77.49		ug/L		77	48 - 125
Benzo[b]fluoranthene	100	69.45		ug/L		69	49 - 129
Benzo[g,h,i]perylene	100	68.98		ug/L		69	43 - 139
Benzo[k]fluoranthene	100	98.64		ug/L		99	47 - 130
Benzyl alcohol	100	79.97		ug/L		80	39 - 128
Bis(2-chloroethoxy)methane	100	85.03		ug/L		85	48 - 121
Bis(2-chloroethyl)ether	100	75.37		ug/L		75	43 - 123
bis (2-chloroisopropyl) ether	100	79.20		ug/L		79	34 - 123
Bis(2-ethylhexyl) phthalate	100	82.52		ug/L		83	43 - 143
4-Bromophenyl phenyl ether	100	79.26		ug/L		79	45 - 119
Butyl benzyl phthalate	100	88.44		ug/L		88	46 - 135
4-Chloroaniline	100	80.74		ug/L		81	21 - 139
Chlorobenzilate	51.2	23.12	*-	ug/L		45	52 - 138
4-Chloro-3-methylphenol	100	89.83		ug/L		90	49 - 130
2-Chloronaphthalene	100	72.55		ug/L		73	37 - 110
2-Chlorophenol	100	79.55		ug/L		80	44 - 117
4-Chlorophenyl phenyl ether	100	77.37		ug/L		77	44 - 116
Chrysene	100	83.31		ug/L		83	51 - 125
Diallate	44.8	44.04		ug/L		98	42 - 141
Dibenzo(a,h)anthracene	100	70.80		ug/L		71	38 - 149
Dibenzofuran	100	79.08		ug/L		79	45 - 112
2,4-Dichlorophenol	100	86.20		ug/L		86	41 - 124
2,6-Dichlorophenol	100	84.29		ug/L		84	30 - 130
Diethyl phthalate	100	85.73		ug/L		86	43 - 135
Dimethoate	44.8	50.27		ug/L		112	51 - 150
7,12-Dimethylbenz(a)anthracene	51.2	39.52		ug/L		77	51 - 129
3,3'-Dimethylbenzidine	51.2	24.46		ug/L		48	10 - 150
2,4-Dimethylphenol	100	81.60		ug/L		82	31 - 142
Dimethyl phthalate	100	85.70		ug/L		86	43 - 129
Di-n-butyl phthalate	100	94.09		ug/L		94	50 - 133
1,3-Dinitrobenzene	100	95.33		ug/L		95	45 - 138
4,6-Dinitro-2-methylphenol	200	165.3		ug/L		83	22 - 143
2,4-Dinitrophenol	200	133.3		ug/L		67	10 - 138
2,4-Dinitrotoluene	100	98.32		ug/L		98	47 - 137
2,6-Dinitrotoluene	100	91.05		ug/L		91	51 - 130
Di-n-octyl phthalate	100	65.16		ug/L		65	34 - 150
Dinoseb	51.2	44.75		ug/L		87	25 - 146
Disulfoton	44.8	38.03		ug/L		85	54 - 131
Ethyl methanesulfonate	51.2	39.87		ug/L		78	48 - 120
Ethyl Parathion	44.8	43.31		ug/L		97	52 - 149
Fluoranthene	100	86.33		ug/L		86	47 - 128

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-452882/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454001
Prep Batch: 452882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluorene	100	79.82		ug/L		80	45 - 119
Hexachlorobenzene	100	77.07		ug/L		77	48 - 119
Hexachlorobutadiene	100	59.98		ug/L		60	32 - 110
Hexachlorocyclopentadiene	100	60.11		ug/L		60	10 - 110
Hexachloroethane	100	53.36		ug/L		53	31 - 110
Hexachloropropene	51.2	12.04		ug/L		24	10 - 110
Indeno[1,2,3-cd]pyrene	100	62.67		ug/L		63	37 - 150
Isodrin	51.2	38.63		ug/L		75	52 - 125
Isophorone	100	84.32		ug/L		84	50 - 125
Methapyrilene	44.8	13.29		ug/L		30	10 - 110
Methyl methanesulfonate	51.2	33.95		ug/L		66	36 - 110
2-Methylnaphthalene	100	73.33		ug/L		73	33 - 110
Methyl parathion	44.8	54.99		ug/L		123	50 - 150
2-Methylphenol	100	76.42		ug/L		76	47 - 118
Methylphenol, 3 & 4	100	76.45		ug/L		76	46 - 117
1,4-Naphthoquinone	51.2	48.75		ug/L		95	37 - 149
1-Naphthylamine	51.2	26.02		ug/L		51	19 - 110
2-Naphthylamine	51.2	38.87		ug/L		76	18 - 127
2-Nitroaniline	100	98.17		ug/L		98	50 - 135
3-Nitroaniline	100	97.03		ug/L		97	42 - 139
4-Nitroaniline	100	92.46		ug/L		92	31 - 145
Nitrobenzene	100	82.50		ug/L		82	47 - 116
5-Nitro-o-toluidine	51.2	49.94		ug/L		98	47 - 145
2-Nitrophenol	100	96.98		ug/L		97	41 - 129
4-Nitrophenol	200	110.2		ug/L		55	18 - 110
N-Nitrosodiethylamine	51.2	41.87		ug/L		82	47 - 138
N-Nitrosodimethylamine	100	70.60		ug/L		71	37 - 110
N-Nitrosodi-n-butylamine	51.2	42.62		ug/L		83	52 - 142
N-Nitrosodi-n-propylamine	100	79.53		ug/L		80	45 - 130
N-Nitrosodiphenylamine	100	86.89		ug/L		87	49 - 121
N-Nitrosomethylethylamine	51.2	41.18		ug/L		80	54 - 123
N-Nitrosopiperidine	51.2	45.01		ug/L		88	60 - 127
N-Nitrosopyrrolidine	51.2	44.34		ug/L		87	56 - 143
o,o',o''-Triethylphosphorothioate	44.8	35.30		ug/L		79	45 - 113
o-Toluidine	51.2	36.79		ug/L		72	24 - 142
p-Dimethylamino azobenzene	51.2	49.26		ug/L		96	42 - 138
Pentachlorobenzene	51.2	34.74		ug/L		68	33 - 110
Pentachloronitrobenzene	51.2	42.97		ug/L		84	65 - 127
Pentachlorophenol	200	136.1		ug/L		68	26 - 133
Phenacetin	51.2	44.10		ug/L		86	56 - 146
Phenanthrene	100	81.60		ug/L		82	51 - 117
Phenol	100	57.22		ug/L		57	29 - 110
1,4-phenylenediamine	51.2	<10.0	*-	ug/L		-1	20 - 120
Phorate	44.8	38.21		ug/L		85	57 - 135
Pronamide	51.2	45.91		ug/L		90	61 - 144
Pyrene	100	83.55		ug/L		84	48 - 127
Safrole	44.8	34.93		ug/L		78	34 - 110
1,2,4,5-Tetrachlorobenzene	100	69.98		ug/L		70	36 - 110
2,3,4,6-Tetrachlorophenol	100	79.59		ug/L		80	33 - 134

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-452882/2-A
Matrix: Water
Analysis Batch: 454001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thionazin	44.8	43.05		ug/L		96	52 - 147
2,4,5-Trichlorophenol	100	82.93		ug/L		83	35 - 133
2,4,6-Trichlorophenol	100	86.40		ug/L		86	28 - 139
1,3,5-Trinitrobenzene	51.2	48.39		ug/L		95	39 - 144

Lab Sample ID: LCS 310-452882/2-A
Matrix: Water
Analysis Batch: 454212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Famphur	44.8	31.75		ug/L		71	44 - 150

Lab Sample ID: LCSD 310-452882/3-A
Matrix: Water
Analysis Batch: 453654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 452882

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	100	80.51		ug/L		81	43 - 110	4	35
Acenaphthylene	100	72.11		ug/L		72	40 - 110	1	35
Acetophenone	100	74.94		ug/L		75	48 - 119	5	35
Anthracene	100	73.04		ug/L		73	51 - 120	3	35
Benzo[a]anthracene	100	85.65		ug/L		86	51 - 123	1	35
Benzo[a]pyrene	100	96.63		ug/L		97	48 - 125	0	35
Benzo[b]fluoranthene	100	91.05		ug/L		91	49 - 129	3	35
Benzo[g,h,i]perylene	100	88.65		ug/L		89	43 - 139	1	35
Benzo[k]fluoranthene	100	87.24		ug/L		87	47 - 130	5	35
Benzyl alcohol	100	77.56		ug/L		78	39 - 128	3	35
Bis(2-chloroethoxy)methane	100	80.02		ug/L		80	48 - 121	5	35
Bis(2-chloroethyl)ether	100	65.16		ug/L		65	43 - 123	5	35
bis (2-chloroisopropyl) ether	100	79.26		ug/L		79	34 - 123	5	35
Bis(2-ethylhexyl) phthalate	100	104.1		ug/L		104	43 - 143	6	35
4-Bromophenyl phenyl ether	100	80.15		ug/L		80	45 - 119	3	35
Butyl benzyl phthalate	100	91.99		ug/L		92	46 - 135	6	35
4-Chloroaniline	100	69.09		ug/L		69	21 - 139	2	35
4-Chloro-3-methylphenol	100	77.55		ug/L		78	49 - 130	5	35
2-Chloronaphthalene	100	79.30		ug/L		79	37 - 110	0	35
2-Chlorophenol	100	74.33		ug/L		74	44 - 117	2	35
4-Chlorophenyl phenyl ether	100	68.95		ug/L		69	44 - 116	2	35
Chrysene	100	85.01		ug/L		85	51 - 125	2	35
Dibenzo(a,h)anthracene	100	91.88		ug/L		92	38 - 149	6	35
Dibenzofuran	100	69.72		ug/L		70	45 - 112	1	35
2,4-Dichlorophenol	100	76.51		ug/L		77	41 - 124	4	35
2,6-Dichlorophenol	100	71.52		ug/L		72	30 - 130	5	35
Diethyl phthalate	100	76.09		ug/L		76	43 - 135	4	35
2,4-Dimethylphenol	100	75.56		ug/L		76	31 - 142	6	35
Dimethyl phthalate	100	78.00		ug/L		78	43 - 129	4	35
Di-n-butyl phthalate	100	84.35		ug/L		84	50 - 133	3	35
1,3-Dinitrobenzene	100	89.76		ug/L		90	45 - 138	7	35
4,6-Dinitro-2-methylphenol	200	164.2		ug/L		82	22 - 143	3	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-452882/3-A
Matrix: Water
Analysis Batch: 453654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 452882

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrophenol			200	106.7		ug/L		53	10 - 138	10	35
2,4-Dinitrotoluene			100	74.09		ug/L		74	47 - 137	4	35
2,6-Dinitrotoluene			100	83.44		ug/L		83	51 - 130	2	35
Di-n-octyl phthalate			100	89.54		ug/L		90	34 - 150	8	35
Fluoranthene			100	77.92		ug/L		78	47 - 128	4	35
Fluorene			100	64.25		ug/L		64	45 - 119	2	35
Hexachlorobenzene			100	73.12		ug/L		73	48 - 119	2	35
Hexachlorobutadiene			100	57.21		ug/L		57	32 - 110	8	35
Hexachlorocyclopentadiene			100	66.56		ug/L		67	10 - 110	3	35
Hexachloroethane			100	54.69		ug/L		55	31 - 110	5	35
Indeno[1,2,3-cd]pyrene			100	75.02		ug/L		75	37 - 150	5	35
Isophorone			100	78.02		ug/L		78	50 - 125	7	35
2-Methylnaphthalene			100	66.41		ug/L		66	33 - 110	5	35
2-Methylphenol			100	76.88		ug/L		77	47 - 118	2	35
Methylphenol, 3 & 4			100	73.69		ug/L		74	46 - 117	0	35
2-Nitroaniline			100	84.56		ug/L		85	50 - 135	5	35
3-Nitroaniline			100	86.75		ug/L		87	42 - 139	1	35
4-Nitroaniline			100	75.42		ug/L		75	31 - 145	1	35
Nitrobenzene			100	77.99		ug/L		78	47 - 116	5	35
2-Nitrophenol			100	82.07		ug/L		82	41 - 129	6	35
4-Nitrophenol			200	116.7		ug/L		58	18 - 110	5	35
N-Nitrosodimethylamine			100	68.65		ug/L		69	37 - 110	1	35
N-Nitrosodi-n-propylamine			100	76.27		ug/L		76	45 - 130	3	35
N-Nitrosodiphenylamine			100	86.34		ug/L		86	49 - 121	5	35
Pentachlorophenol			200	135.5		ug/L		68	26 - 133	5	35
Phenanthrene			100	72.56		ug/L		73	51 - 117	1	35
Phenol			100	53.48		ug/L		53	29 - 110	0	35
Pyrene			100	85.00		ug/L		85	48 - 127	0	35
1,2,4,5-Tetrachlorobenzene			100	65.61		ug/L		66	36 - 110	3	35
2,3,4,6-Tetrachlorophenol			100	81.94		ug/L		82	33 - 134	1	35
2,4,5-Trichlorophenol			100	71.90		ug/L		72	35 - 133	4	35
2,4,6-Trichlorophenol			100	82.31		ug/L		82	28 - 139	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*76*		*39 - 118*
2-Fluorophenol (Surr)	*64*		*25 - 110*
Nitrobenzene-d5 (Surr)	*82*		*45 - 129*
Phenol-d5 (Surr)	*52*		*21 - 110*
Terphenyl-d14 (Surr)	*79*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*78*		*27 - 136*

Lab Sample ID: LCSD 310-452882/3-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 452882

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			100	79.86		ug/L		80	43 - 110	2	35
Acenaphthylene			100	77.77		ug/L		78	40 - 110	4	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-452882/3-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 452882

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetophenone	100	76.47		ug/L		76	48 - 119	5	35
2-Acetylaminofluorene	51.2	39.39		ug/L		77	35 - 150	2	28
4-Aminobiphenyl	51.2	39.27		ug/L		77	24 - 138	3	35
Anthracene	100	82.15		ug/L		82	51 - 120	1	35
Benzo[a]anthracene	100	81.71		ug/L		82	51 - 123	2	35
Benzo[a]pyrene	100	79.90		ug/L		80	48 - 125	5	35
Benzo[b]fluoranthene	100	76.89		ug/L		77	49 - 129	7	35
Benzo[g,h,i]perylene	100	74.08		ug/L		74	43 - 139	0	35
Benzo[k]fluoranthene	100	91.69		ug/L		92	47 - 130	3	35
Benzyl alcohol	100	76.89		ug/L		77	39 - 128	3	35
Bis(2-chloroethoxy)methane	100	80.95		ug/L		81	48 - 121	5	35
Bis(2-chloroethyl)ether	100	71.38		ug/L		71	43 - 123	9	35
bis (2-chloroisopropyl) ether	100	73.49		ug/L		73	34 - 123	3	35
Bis(2-ethylhexyl) phthalate	100	82.23		ug/L		82	43 - 143	4	35
4-Bromophenyl phenyl ether	100	82.84		ug/L		83	45 - 119	3	35
Butyl benzyl phthalate	100	86.03		ug/L		86	46 - 135	1	35
4-Chloroaniline	100	75.68		ug/L		76	21 - 139	8	35
4-Chloro-3-methylphenol	100	87.03		ug/L		87	49 - 130	4	35
2-Chloronaphthalene	100	74.10		ug/L		74	37 - 110	0	35
2-Chlorophenol	100	75.57		ug/L		76	44 - 117	4	35
4-Chlorophenyl phenyl ether	100	76.77		ug/L		77	44 - 116	4	35
Chrysene	100	84.15		ug/L		84	51 - 125	1	35
Diallate	44.8	44.06		ug/L		98	42 - 141	1	35
Dibenzo(a,h)anthracene	100	80.42		ug/L		80	38 - 149	2	35
Dibenzofuran	100	77.92		ug/L		78	45 - 112	2	35
2,4-Dichlorophenol	100	84.80		ug/L		85	41 - 124	5	35
2,6-Dichlorophenol	100	83.25		ug/L		83	30 - 130	5	35
Diethyl phthalate	100	81.84		ug/L		82	43 - 135	3	35
Dimethoate	44.8	46.51		ug/L		104	51 - 150	1	26
7,12-Dimethylbenz(a)anthracene	51.2	38.21		ug/L		75	51 - 129	2	28
3,3'-Dimethylbenzidine	51.2	20.54		ug/L		40	10 - 150	25	35
2,4-Dimethylphenol	100	79.66		ug/L		80	31 - 142	6	35
Dimethyl phthalate	100	81.39		ug/L		81	43 - 129	4	35
Di-n-butyl phthalate	100	90.28		ug/L		90	50 - 133	1	35
1,3-Dinitrobenzene	100	85.33		ug/L		85	45 - 138	3	35
4,6-Dinitro-2-methylphenol	200	145.7		ug/L		73	22 - 143	4	35
2,4-Dinitrophenol	200	108.4		ug/L		54	10 - 138	6	35
2,4-Dinitrotoluene	100	87.91		ug/L		88	47 - 137	3	35
2,6-Dinitrotoluene	100	87.82		ug/L		88	51 - 130	3	35
Di-n-octyl phthalate	100	76.66		ug/L		77	34 - 150	4	35
Dinoseb	51.2	42.11		ug/L		82	25 - 146	2	35
Disulfoton	44.8	38.27		ug/L		85	54 - 131	2	24
Ethyl methanesulfonate	51.2	38.64		ug/L		75	48 - 120	2	27
Ethyl Parathion	44.8	36.52		ug/L		82	52 - 149	6	26
Fluoranthene	100	80.28		ug/L		80	47 - 128	3	35
Fluorene	100	80.26		ug/L		80	45 - 119	0	35
Hexachlorobenzene	100	81.23		ug/L		81	48 - 119	2	35
Hexachlorobutadiene	100	59.50		ug/L		59	32 - 110	8	35
Hexachlorocyclopentadiene	100	58.46		ug/L		58	10 - 110	7	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-452882/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453792
Prep Batch: 452882

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachloroethane	100	51.36		ug/L		51	31 - 110	2	35
Hexachloropropene	51.2	11.55		ug/L		23	10 - 110	7	35
Indeno[1,2,3-cd]pyrene	100	73.93		ug/L		74	37 - 150	3	35
Isodrin	51.2	41.19		ug/L		80	52 - 125	2	26
Isophorone	100	81.78		ug/L		82	50 - 125	5	35
Methapyrilene	44.8	9.985	J	ug/L		22	10 - 110	32	35
Methyl methanesulfonate	51.2	32.13		ug/L		63	36 - 110	1	26
2-Methylnaphthalene	100	74.13		ug/L		74	33 - 110	2	35
Methyl parathion	44.8	47.38		ug/L		106	50 - 150	3	25
2-Methylphenol	100	73.22		ug/L		73	47 - 118	3	35
Methylphenol, 3 & 4	100	76.04		ug/L		76	46 - 117	0	35
1,4-Naphthoquinone	51.2	47.37		ug/L		93	37 - 149	1	29
1-Naphthylamine	51.2	25.15		ug/L		49	19 - 110	1	35
2-Naphthylamine	51.2	37.40		ug/L		73	18 - 127	1	35
2-Nitroaniline	100	90.80		ug/L		91	50 - 135	3	35
3-Nitroaniline	100	89.08		ug/L		89	42 - 139	1	35
4-Nitroaniline	100	81.55		ug/L		82	31 - 145	1	35
Nitrobenzene	100	79.25		ug/L		79	47 - 116	4	35
5-Nitro-o-toluidine	51.2	46.62		ug/L		91	47 - 145	1	31
2-Nitrophenol	100	93.36		ug/L		93	41 - 129	4	35
4-Nitrophenol	200	103.9		ug/L		52	18 - 110	2	35
N-Nitrosodiethylamine	51.2	41.04		ug/L		80	47 - 138	3	26
N-Nitrosodimethylamine	100	66.01		ug/L		66	37 - 110	1	35
N-Nitrosodi-n-butylamine	51.2	45.66		ug/L		89	52 - 142	2	27
N-Nitrosodi-n-propylamine	100	76.14		ug/L		76	45 - 130	5	35
N-Nitrosodiphenylamine	100	85.26		ug/L		85	49 - 121	0	35
N-Nitrosomethylethylamine	51.2	39.05		ug/L		76	54 - 123	3	26
N-Nitrosopiperidine	51.2	43.35		ug/L		85	60 - 127	4	26
N-Nitrosopyrrolidine	51.2	43.04		ug/L		84	56 - 143	4	25
o,o',o''-Triethylphosphorothioate	44.8	37.39		ug/L		83	45 - 113	1	33
o-Toluidine	51.2	33.58		ug/L		66	24 - 142	7	35
p-Dimethylamino azobenzene	51.2	51.21		ug/L		100	42 - 138	0	29
Pentachlorobenzene	51.2	37.62		ug/L		73	33 - 110	5	35
Pentachloronitrobenzene	51.2	41.73		ug/L		81	65 - 127	4	29
Pentachlorophenol	200	136.2		ug/L		68	26 - 133	5	35
Phenacetin	51.2	40.96		ug/L		80	56 - 146	3	25
Phenanthrene	100	78.84		ug/L		79	51 - 117	5	35
Phenol	100	56.32		ug/L		56	29 - 110	1	35
1,4-phenylenediamine	51.2	<10.0	*-	ug/L		-1	20 - 120	15	35
Phorate	44.8	38.90		ug/L		87	57 - 135	0	26
Pronamide	51.2	46.96		ug/L		92	61 - 144	4	27
Pyrene	100	81.66		ug/L		82	48 - 127	2	35
Safrole	44.8	36.97		ug/L		83	34 - 110	3	35
1,2,4,5-Tetrachlorobenzene	100	70.32		ug/L		70	36 - 110	3	35
2,3,4,6-Tetrachlorophenol	100	78.97		ug/L		79	33 - 134	1	35
Thionazin	44.8	41.65		ug/L		93	52 - 147	2	28
2,4,5-Trichlorophenol	100	79.72		ug/L		80	35 - 133	7	35
2,4,6-Trichlorophenol	100	83.58		ug/L		84	28 - 139	4	35
1,3,5-Trinitrobenzene	51.2	38.78		ug/L		76	39 - 144	0	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	77		39 - 118
2-Fluorophenol (Surr)	62		25 - 110
Nitrobenzene-d5 (Surr)	80		45 - 129
Phenol-d5 (Surr)	54		21 - 110
Terphenyl-d14 (Surr)	92		12 - 144
2,4,6-Tribromophenol (Surr)	95		27 - 136

Lab Sample ID: LCSD 310-452882/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454001
Prep Batch: 452882

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			100	78.84		ug/L		79	43 - 110	1	35
Acenaphthylene			100	79.22		ug/L		79	40 - 110	2	35
Acetophenone			100	77.24		ug/L		77	48 - 119	3	35
2-Acetylaminofluorene			51.2	37.74		ug/L		74	35 - 150	0	28
4-Aminobiphenyl			51.2	38.08		ug/L		74	24 - 138	2	35
Anthracene			100	80.04		ug/L		80	51 - 120	3	35
Benzo[a]anthracene			100	82.03		ug/L		82	51 - 123	1	35
Benzo[a]pyrene			100	77.87		ug/L		78	48 - 125	0	35
Benzo[b]fluoranthene			100	72.28		ug/L		72	49 - 129	4	35
Benzo[g,h,i]perylene			100	66.14		ug/L		66	43 - 139	4	35
Benzo[k]fluoranthene			100	96.44		ug/L		96	47 - 130	2	35
Benzyl alcohol			100	76.50		ug/L		76	39 - 128	4	35
Bis(2-chloroethoxy)methane			100	82.05		ug/L		82	48 - 121	4	35
Bis(2-chloroethyl)ether			100	73.14		ug/L		73	43 - 123	3	35
bis (2-chloroisopropyl) ether			100	76.05		ug/L		76	34 - 123	4	35
Bis(2-ethylhexyl) phthalate			100	82.01		ug/L		82	43 - 143	1	35
4-Bromophenyl phenyl ether			100	75.95		ug/L		76	45 - 119	4	35
Butyl benzyl phthalate			100	89.53		ug/L		90	46 - 135	1	35
4-Chloroaniline			100	76.55		ug/L		77	21 - 139	5	35
Chlorobenzilate			51.2	23.05	*-	ug/L		45	52 - 138	0	28
4-Chloro-3-methylphenol			100	87.58		ug/L		88	49 - 130	3	35
2-Chloronaphthalene			100	73.09		ug/L		73	37 - 110	1	35
2-Chlorophenol			100	77.49		ug/L		77	44 - 117	3	35
4-Chlorophenyl phenyl ether			100	77.20		ug/L		77	44 - 116	0	35
Chrysene			100	86.25		ug/L		86	51 - 125	3	35
Diallate			44.8	43.92		ug/L		98	42 - 141	0	35
Dibenzo(a,h)anthracene			100	65.04		ug/L		65	38 - 149	8	35
Dibenzofuran			100	78.27		ug/L		78	45 - 112	1	35
2,4-Dichlorophenol			100	83.87		ug/L		84	41 - 124	3	35
2,6-Dichlorophenol			100	81.17		ug/L		81	30 - 130	4	35
Diethyl phthalate			100	84.13		ug/L		84	43 - 135	2	35
Dimethoate			44.8	48.76		ug/L		109	51 - 150	3	26
7,12-Dimethylbenz(a)anthracene			51.2	41.06		ug/L		80	51 - 129	4	28
3,3'-Dimethylbenzidine			51.2	19.88		ug/L		39	10 - 150	21	35
2,4-Dimethylphenol			100	78.55		ug/L		79	31 - 142	4	35
Dimethyl phthalate			100	83.35		ug/L		83	43 - 129	3	35
Di-n-butyl phthalate			100	89.64		ug/L		90	50 - 133	5	35
1,3-Dinitrobenzene			100	94.20		ug/L		94	45 - 138	1	35
4,6-Dinitro-2-methylphenol			200	156.5		ug/L		78	22 - 143	5	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-452882/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454001
Prep Batch: 452882

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrophenol	200	116.6		ug/L		58	10 - 138	13	35
2,4-Dinitrotoluene	100	96.00		ug/L		96	47 - 137	2	35
2,6-Dinitrotoluene	100	91.50		ug/L		92	51 - 130	1	35
Di-n-octyl phthalate	100	65.54		ug/L		66	34 - 150	1	35
Dinoseb	51.2	42.47		ug/L		83	25 - 146	5	35
Disulfoton	44.8	37.54		ug/L		84	54 - 131	1	24
Ethyl methanesulfonate	51.2	39.55		ug/L		77	48 - 120	1	27
Ethyl Parathion	44.8	40.24		ug/L		90	52 - 149	7	26
Fluoranthene	100	82.39		ug/L		82	47 - 128	5	35
Fluorene	100	79.07		ug/L		79	45 - 119	1	35
Hexachlorobenzene	100	76.09		ug/L		76	48 - 119	1	35
Hexachlorobutadiene	100	57.59		ug/L		58	32 - 110	4	35
Hexachlorocyclopentadiene	100	59.40		ug/L		59	10 - 110	1	35
Hexachloroethane	100	51.03		ug/L		51	31 - 110	4	35
Hexachloropropene	51.2	12.19		ug/L		24	10 - 110	1	35
Indeno[1,2,3-cd]pyrene	100	60.06		ug/L		60	37 - 150	4	35
Isodrin	51.2	37.88		ug/L		74	52 - 125	2	26
Isophorone	100	80.99		ug/L		81	50 - 125	4	35
Methapyrilene	44.8	9.883	J	ug/L		22	10 - 110	29	35
Methyl methanesulfonate	51.2	33.89		ug/L		66	36 - 110	0	26
2-Methylnaphthalene	100	71.83		ug/L		72	33 - 110	2	35
Methyl parathion	44.8	53.32		ug/L		119	50 - 150	3	25
2-Methylphenol	100	74.44		ug/L		74	47 - 118	3	35
Methylphenol, 3 & 4	100	75.71		ug/L		76	46 - 117	1	35
1,4-Naphthoquinone	51.2	49.60		ug/L		97	37 - 149	2	29
1-Naphthylamine	51.2	26.13		ug/L		51	19 - 110	0	35
2-Naphthylamine	51.2	38.67		ug/L		76	18 - 127	1	35
2-Nitroaniline	100	95.73		ug/L		96	50 - 135	3	35
3-Nitroaniline	100	96.54		ug/L		97	42 - 139	1	35
4-Nitroaniline	100	92.67		ug/L		93	31 - 145	0	35
Nitrobenzene	100	79.51		ug/L		80	47 - 116	4	35
5-Nitro-o-toluidine	51.2	51.95		ug/L		101	47 - 145	4	31
2-Nitrophenol	100	93.02		ug/L		93	41 - 129	4	35
4-Nitrophenol	200	116.1		ug/L		58	18 - 110	5	35
N-Nitrosodiethylamine	51.2	40.26		ug/L		79	47 - 138	4	26
N-Nitrosodimethylamine	100	69.55		ug/L		70	37 - 110	1	35
N-Nitrosodi-n-butylamine	51.2	41.72		ug/L		81	52 - 142	2	27
N-Nitrosodi-n-propylamine	100	75.52		ug/L		76	45 - 130	5	35
N-Nitrosodiphenylamine	100	84.60		ug/L		85	49 - 121	3	35
N-Nitrosomethylethylamine	51.2	40.93		ug/L		80	54 - 123	1	26
N-Nitrosopiperidine	51.2	44.28		ug/L		86	60 - 127	2	26
N-Nitrosopyrrolidine	51.2	45.35		ug/L		89	56 - 143	2	25
o,o',o''-Triethylphosphorothioate	44.8	35.62		ug/L		79	45 - 113	1	33
o-Toluidine	51.2	33.12		ug/L		65	24 - 142	11	35
p-Dimethylamino azobenzene	51.2	50.55		ug/L		99	42 - 138	3	29
Pentachlorobenzene	51.2	35.80		ug/L		70	33 - 110	3	35
Pentachloronitrobenzene	51.2	39.92		ug/L		78	65 - 127	7	29
Pentachlorophenol	200	129.2		ug/L		65	26 - 133	5	35
Phenacetin	51.2	42.63		ug/L		83	56 - 146	3	25

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-452882/3-A
Matrix: Water
Analysis Batch: 454001

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 452882

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene	100	78.29		ug/L		78	51 - 117	4	35
Phenol	100	59.40		ug/L		59	29 - 110	4	35
1,4-phenylenediamine	51.2	<10.0	*-	ug/L		-1	20 - 120	4	35
Phorate	44.8	36.85		ug/L		82	57 - 135	4	26
Pronamide	51.2	43.84		ug/L		86	61 - 144	5	27
Pyrene	100	86.54		ug/L		87	48 - 127	4	35
Safrole	44.8	35.22		ug/L		79	34 - 110	1	35
1,2,4,5-Tetrachlorobenzene	100	70.85		ug/L		71	36 - 110	1	35
2,3,4,6-Tetrachlorophenol	100	78.03		ug/L		78	33 - 134	2	35
Thionazin	44.8	42.47		ug/L		95	52 - 147	1	28
2,4,5-Trichlorophenol	100	83.76		ug/L		84	35 - 133	1	35
2,4,6-Trichlorophenol	100	84.43		ug/L		84	28 - 139	2	35
1,3,5-Trinitrobenzene	51.2	46.81		ug/L		91	39 - 144	3	35

Lab Sample ID: LCSD 310-452882/3-A
Matrix: Water
Analysis Batch: 454212

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 452882

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Famphur	44.8	33.83		ug/L		76	44 - 150	6	35

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Lab Sample ID: MB 310-452702/4
Matrix: Water
Analysis Batch: 452702

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			04/28/25 09:24	1
Isobutanol	<10.0		10.0	2.40	mg/L			04/28/25 09:24	1

Lab Sample ID: LCS 310-452702/5
Matrix: Water
Analysis Batch: 452702

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetonitrile	53.1	54.64		mg/L		103	67 - 131
Isobutanol	48.4	55.15		mg/L		114	80 - 120

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LB 310-452343/1-E
Matrix: Water
Analysis Batch: 453168

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452879

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0936		0.0936	0.0234	ug/L		04/28/25 10:59	04/30/25 17:22	1
4,4'-DDE	<0.0936		0.0936	0.0281	ug/L		04/28/25 10:59	04/30/25 17:22	1
4,4'-DDT	<0.0936		0.0936	0.0187	ug/L		04/28/25 10:59	04/30/25 17:22	1
Aldrin	<0.0936		0.0936	0.0206	ug/L		04/28/25 10:59	04/30/25 17:22	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 310-452343/1-E
Matrix: Water
Analysis Batch: 453168

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452879

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.0936		0.0936	0.00936	ug/L		04/28/25 10:59	04/30/25 17:22	1
beta-BHC	<0.0936		0.0936	0.0393	ug/L		04/28/25 10:59	04/30/25 17:22	1
Chlordane (technical)	<1.87		1.87	0.365	ug/L		04/28/25 10:59	04/30/25 17:22	1
delta-BHC	<0.0936		0.0936	0.0299	ug/L		04/28/25 10:59	04/30/25 17:22	1
Dieldrin	<0.0936		0.0936	0.0197	ug/L		04/28/25 10:59	04/30/25 17:22	1
Endosulfan I	<0.0936		0.0936	0.0262	ug/L		04/28/25 10:59	04/30/25 17:22	1
Endosulfan II	<0.0936		0.0936	0.0243	ug/L		04/28/25 10:59	04/30/25 17:22	1
Endosulfan sulfate	<0.0936		0.0936	0.0168	ug/L		04/28/25 10:59	04/30/25 17:22	1
Endrin	<0.0936		0.0936	0.0262	ug/L		04/28/25 10:59	04/30/25 17:22	1
Endrin aldehyde	<0.0936		0.0936	0.0253	ug/L		04/28/25 10:59	04/30/25 17:22	1
gamma-BHC (Lindane)	<0.0936		0.0936	0.00936	ug/L		04/28/25 10:59	04/30/25 17:22	1
Heptachlor	<0.0936		0.0936	0.0215	ug/L		04/28/25 10:59	04/30/25 17:22	1
Heptachlor epoxide	<0.0936		0.0936	0.0299	ug/L		04/28/25 10:59	04/30/25 17:22	1
Methoxychlor	<0.0936		0.0936	0.0299	ug/L		04/28/25 10:59	04/30/25 17:22	1
Toxaphene	<1.87		1.87	0.936	ug/L		04/28/25 10:59	04/30/25 17:22	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*45*		*10 - 150*	*04/28/25 10:59*	*04/30/25 17:22*	*1*
Tetrachloro-m-xylene	*76*		*17 - 150*	*04/28/25 10:59*	*04/30/25 17:22*	*1*

Lab Sample ID: MB 310-452879/1-A
Matrix: Water
Analysis Batch: 453168

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0983		0.0983	0.0246	ug/L		04/28/25 10:59	04/30/25 17:09	1
4,4'-DDE	<0.0983		0.0983	0.0295	ug/L		04/28/25 10:59	04/30/25 17:09	1
4,4'-DDT	<0.0983		0.0983	0.0197	ug/L		04/28/25 10:59	04/30/25 17:09	1
Aldrin	<0.0983		0.0983	0.0216	ug/L		04/28/25 10:59	04/30/25 17:09	1
alpha-BHC	<0.0983		0.0983	0.00983	ug/L		04/28/25 10:59	04/30/25 17:09	1
beta-BHC	<0.0983		0.0983	0.0413	ug/L		04/28/25 10:59	04/30/25 17:09	1
Chlordane (technical)	<1.97		1.97	0.383	ug/L		04/28/25 10:59	04/30/25 17:09	1
delta-BHC	<0.0983		0.0983	0.0315	ug/L		04/28/25 10:59	04/30/25 17:09	1
Dieldrin	<0.0983		0.0983	0.0206	ug/L		04/28/25 10:59	04/30/25 17:09	1
Endosulfan I	<0.0983		0.0983	0.0275	ug/L		04/28/25 10:59	04/30/25 17:09	1
Endosulfan II	<0.0983		0.0983	0.0256	ug/L		04/28/25 10:59	04/30/25 17:09	1
Endosulfan sulfate	<0.0983		0.0983	0.0177	ug/L		04/28/25 10:59	04/30/25 17:09	1
Endrin	<0.0983		0.0983	0.0275	ug/L		04/28/25 10:59	04/30/25 17:09	1
Endrin aldehyde	<0.0983		0.0983	0.0265	ug/L		04/28/25 10:59	04/30/25 17:09	1
gamma-BHC (Lindane)	<0.0983		0.0983	0.00983	ug/L		04/28/25 10:59	04/30/25 17:09	1
Heptachlor	<0.0983		0.0983	0.0226	ug/L		04/28/25 10:59	04/30/25 17:09	1
Heptachlor epoxide	<0.0983		0.0983	0.0315	ug/L		04/28/25 10:59	04/30/25 17:09	1
Methoxychlor	<0.0983		0.0983	0.0315	ug/L		04/28/25 10:59	04/30/25 17:09	1
Toxaphene	<1.97		1.97	0.983	ug/L		04/28/25 10:59	04/30/25 17:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*41*		*10 - 150*	*04/28/25 10:59*	*04/30/25 17:09*	*1*
Tetrachloro-m-xylene	*69*		*17 - 150*	*04/28/25 10:59*	*04/30/25 17:09*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LCS 310-452879/2-A
Matrix: Water
Analysis Batch: 453168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452879

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.78	2.732		ug/L		98	28 - 150
4,4'-DDE	2.78	2.479		ug/L		89	10 - 150
4,4'-DDT	2.78	2.195		ug/L		79	10 - 150
Aldrin	2.78	1.593		ug/L		57	10 - 146
alpha-BHC	2.78	2.765		ug/L		100	57 - 149
beta-BHC	2.78	2.600		ug/L		94	53 - 145
delta-BHC	2.78	2.497		ug/L		90	49 - 148
Dieldrin	2.78	2.606		ug/L		94	43 - 150
Endosulfan I	2.78	1.606		ug/L		58	26 - 133
Endosulfan II	2.78	2.040		ug/L		73	38 - 139
Endosulfan sulfate	2.78	3.319		ug/L		119	54 - 150
Endrin	2.78	2.888		ug/L		104	41 - 150
Endrin aldehyde	2.78	2.467		ug/L		89	42 - 147
gamma-BHC (Lindane)	2.78	2.802		ug/L		101	57 - 150
Heptachlor	2.78	2.012		ug/L		72	16 - 135
Heptachlor epoxide	2.78	2.923		ug/L		105	49 - 150
Methoxychlor	2.78	2.688	p	ug/L		97	16 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*42*		*10 - 150*
Tetrachloro-m-xylene	*58*		*17 - 150*

Lab Sample ID: MB 310-453170/1-A
Matrix: Water
Analysis Batch: 453474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0992		0.0992	0.0248	ug/L		04/30/25 08:47	05/02/25 12:11	1
4,4'-DDE	<0.0992		0.0992	0.0297	ug/L		04/30/25 08:47	05/02/25 12:11	1
4,4'-DDT	<0.0992		0.0992	0.0198	ug/L		04/30/25 08:47	05/02/25 12:11	1
Aldrin	<0.0992		0.0992	0.0218	ug/L		04/30/25 08:47	05/02/25 12:11	1
alpha-BHC	<0.0992		0.0992	0.00992	ug/L		04/30/25 08:47	05/02/25 12:11	1
beta-BHC	<0.0992		0.0992	0.0416	ug/L		04/30/25 08:47	05/02/25 12:11	1
Chlordane (technical)	<1.98		1.98	0.387	ug/L		04/30/25 08:47	05/02/25 12:11	1
delta-BHC	<0.0992		0.0992	0.0317	ug/L		04/30/25 08:47	05/02/25 12:11	1
Dieldrin	<0.0992		0.0992	0.0208	ug/L		04/30/25 08:47	05/02/25 12:11	1
Endosulfan I	<0.0992		0.0992	0.0278	ug/L		04/30/25 08:47	05/02/25 12:11	1
Endosulfan II	<0.0992		0.0992	0.0258	ug/L		04/30/25 08:47	05/02/25 12:11	1
Endosulfan sulfate	<0.0992		0.0992	0.0178	ug/L		04/30/25 08:47	05/02/25 12:11	1
Endrin	<0.0992		0.0992	0.0278	ug/L		04/30/25 08:47	05/02/25 12:11	1
Endrin aldehyde	<0.0992		0.0992	0.0268	ug/L		04/30/25 08:47	05/02/25 12:11	1
gamma-BHC (Lindane)	<0.0992		0.0992	0.00992	ug/L		04/30/25 08:47	05/02/25 12:11	1
Heptachlor	<0.0992		0.0992	0.0228	ug/L		04/30/25 08:47	05/02/25 12:11	1
Heptachlor epoxide	<0.0992		0.0992	0.0317	ug/L		04/30/25 08:47	05/02/25 12:11	1
Methoxychlor	<0.0992		0.0992	0.0317	ug/L		04/30/25 08:47	05/02/25 12:11	1
Toxaphene	<1.98		1.98	0.992	ug/L		04/30/25 08:47	05/02/25 12:11	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 310-453170/1-A
Matrix: Water
Analysis Batch: 453474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453170

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	25		10 - 150	04/30/25 08:47	05/02/25 12:11	1
Tetrachloro-m-xylene	46		17 - 150	04/30/25 08:47	05/02/25 12:11	1

Lab Sample ID: LCS 310-453170/2-A
Matrix: Water
Analysis Batch: 453474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.79	1.491		ug/L		54	28 - 150
4,4'-DDE	2.79	1.712		ug/L		61	10 - 150
4,4'-DDT	2.79	1.548		ug/L		56	10 - 150
Aldrin	2.79	1.126		ug/L		40	10 - 146
alpha-BHC	2.79	2.062		ug/L		74	57 - 149
beta-BHC	2.79	1.869		ug/L		67	53 - 145
delta-BHC	2.79	1.960		ug/L		70	49 - 148
Dieldrin	2.79	1.946		ug/L		70	43 - 150
Endosulfan I	2.79	1.096		ug/L		39	26 - 133
Endosulfan II	2.79	1.233		ug/L		44	38 - 139
Endosulfan sulfate	2.79	1.846		ug/L		66	54 - 150
Endrin	2.79	1.821		ug/L		65	41 - 150
Endrin aldehyde	2.79	1.387		ug/L		50	42 - 147
gamma-BHC (Lindane)	2.79	2.076		ug/L		75	57 - 150
Heptachlor	2.79	1.438		ug/L		52	16 - 135
Heptachlor epoxide	2.79	2.105		ug/L		76	49 - 150
Methoxychlor	2.79	1.492	p	ug/L		54	16 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	31		10 - 150
Tetrachloro-m-xylene	57		17 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 310-452879/1-A
Matrix: Water
Analysis Batch: 453165

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.97		1.97	0.806	ug/L		04/28/25 10:59	04/30/25 17:09	1
PCB-1221	<1.97		1.97	0.806	ug/L		04/28/25 10:59	04/30/25 17:09	1
PCB-1232	<1.97		1.97	0.806	ug/L		04/28/25 10:59	04/30/25 17:09	1
PCB-1242	<1.97		1.97	0.806	ug/L		04/28/25 10:59	04/30/25 17:09	1
PCB-1248	<1.97		1.97	0.678	ug/L		04/28/25 10:59	04/30/25 17:09	1
PCB-1254	<1.97		1.97	0.678	ug/L		04/28/25 10:59	04/30/25 17:09	1
PCB-1260	<1.97		1.97	0.678	ug/L		04/28/25 10:59	04/30/25 17:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	41		10 - 150	04/28/25 10:59	04/30/25 17:09	1
Tetrachloro-m-xylene	69		17 - 150	04/28/25 10:59	04/30/25 17:09	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: LCS 310-452879/26-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453319
Prep Batch: 452879

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			27.9	29.69		ug/L		107	25 - 150		
PCB-1260			27.9	33.28		ug/L		119	14 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*89*		*10 - 150*
Tetrachloro-m-xylene	*76*		*17 - 150*

Lab Sample ID: 310-305114-1 MS
Client Sample ID: MW-14B
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453319
Prep Batch: 452879

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	<1.81		25.8	23.23		ug/L		90	25 - 150		
PCB-1260	<1.81		25.8	24.33		ug/L		94	10 - 150		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*75*		*10 - 150*
Tetrachloro-m-xylene	*79*		*17 - 150*

Lab Sample ID: 310-305114-1 MSD
Client Sample ID: MW-14B
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453319
Prep Batch: 452879

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<1.81		25.8	22.68		ug/L		88	25 - 150	2	35
PCB-1260	<1.81		25.8	23.57		ug/L		91	10 - 150	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*62*		*10 - 150*
Tetrachloro-m-xylene	*80*		*17 - 150*

Lab Sample ID: MB 310-453170/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453472
Prep Batch: 453170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.98		1.98	0.813	ug/L		04/30/25 08:47	05/02/25 12:11	1
PCB-1221	<1.98		1.98	0.813	ug/L		04/30/25 08:47	05/02/25 12:11	1
PCB-1232	<1.98		1.98	0.813	ug/L		04/30/25 08:47	05/02/25 12:11	1
PCB-1242	<1.98		1.98	0.813	ug/L		04/30/25 08:47	05/02/25 12:11	1
PCB-1248	<1.98		1.98	0.684	ug/L		04/30/25 08:47	05/02/25 12:11	1
PCB-1254	<1.98		1.98	0.684	ug/L		04/30/25 08:47	05/02/25 12:11	1
PCB-1260	<1.98		1.98	0.684	ug/L		04/30/25 08:47	05/02/25 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*28*		*10 - 150*	*04/30/25 08:47*	*05/02/25 12:11*	*1*
Tetrachloro-m-xylene	*47*		*17 - 150*	*04/30/25 08:47*	*05/02/25 12:11*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 310-453170/25-A
Matrix: Water
Analysis Batch: 453472

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453170

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			27.8	20.67		ug/L		74	25 - 150		
PCB-1260			27.8	20.42		ug/L		74	14 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*36*		*10 - 150*
Tetrachloro-m-xylene	*33*		*17 - 150*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-637791/1-A
Matrix: Water
Analysis Batch: 637983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 637791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.600		0.600	0.250	ug/L		04/30/25 15:32	05/01/25 06:47	1
Silvex (2,4,5-TP)	<0.0500		0.0500	0.0220	ug/L		04/30/25 15:32	05/01/25 06:47	1
2,4,5-T	<0.150		0.150	0.0650	ug/L		04/30/25 15:32	05/01/25 06:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*67*		*34 - 142*	*04/30/25 15:32*	*05/01/25 06:47*	*1*
DCAA	*63*		*34 - 142*	*04/30/25 15:32*	*05/01/25 06:47*	*1*

Lab Sample ID: LCS 410-637791/2-A
Matrix: Water
Analysis Batch: 637983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637791

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-D			2.00	1.464		ug/L		73	53 - 159		
2,4,5-T			0.400	0.3161		ug/L		79	57 - 171		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA	*70*		*34 - 142*
DCAA	*68*		*34 - 142*

Lab Sample ID: LCSD 410-637791/3-A
Matrix: Water
Analysis Batch: 637983

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 637791

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D			2.00	1.349		ug/L		67	53 - 159	8	30
2,4,5-T			0.400	0.3005		ug/L		75	57 - 171	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCAA	*69*		*34 - 142*
DCAA	*65*		*34 - 142*

Method: 8151A - Herbicides (GC) - DL

Lab Sample ID: LCS 410-637791/2-A
Matrix: Water
Analysis Batch: 637983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637791

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silvex (2,4,5-TP) - DL			4.01	2.707		ug/L		68	62 - 170		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA - DL	*84*		*34 - 142*
DCAA - DL	*81*		*34 - 142*

Lab Sample ID: LCSD 410-637791/3-A
Matrix: Water
Analysis Batch: 637983

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 637791

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silvex (2,4,5-TP) - DL			4.01	2.407	*-	ug/L		60	62 - 170	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCAA - DL	*82*		*34 - 142*
DCAA - DL	*77*		*34 - 142*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-452923/1-A
Matrix: Water
Analysis Batch: 453317

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452923

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000500		0.000500	0.000170	mg/L		04/29/25 09:00	04/30/25 15:10	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		04/29/25 09:00	04/30/25 15:10	1

Lab Sample ID: LCS 310-452923/2-A
Matrix: Water
Analysis Batch: 453317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452923

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt			0.100	0.1103		mg/L		110	80 - 120		
Arsenic			0.200	0.1957		mg/L		98	80 - 120		

Lab Sample ID: 310-305114-9 MS
Matrix: Water
Analysis Batch: 453317

Client Sample ID: MW-409
Prep Type: Total/NA
Prep Batch: 452923

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cobalt	0.00889		0.100	0.1094		mg/L		100	75 - 125		
Arsenic	0.0510		0.200	0.2515		mg/L		100	75 - 125		

Lab Sample ID: 310-305114-9 MSD
Matrix: Water
Analysis Batch: 453317

Client Sample ID: MW-409
Prep Type: Total/NA
Prep Batch: 452923

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	0.00889		0.100	0.1081		mg/L		99	75 - 125	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-305114-9 MSD — **Client Sample ID: MW-409**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 453317 — **Prep Batch: 452923**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0510		0.200	0.2455		mg/L		97	75 - 125	2	20

Lab Sample ID: MB 310-453423/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 453796 — **Prep Batch: 453423**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00200		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 14:42	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/05/25 14:42	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/05/25 14:42	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/05/25 14:42	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/05/25 14:42	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/02/25 09:00	05/05/25 14:42	1

Lab Sample ID: LCS 310-453423/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 453796 — **Prep Batch: 453423**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.100	0.09603		mg/L		96	80 - 120
Cobalt	0.100	0.09602		mg/L		96	80 - 120
Copper	0.200	0.1896		mg/L		95	80 - 120
Lead	0.200	0.1955		mg/L		98	80 - 120
Nickel	0.200	0.1875		mg/L		94	80 - 120
Arsenic	0.200	0.1922		mg/L		96	80 - 120

Lab Sample ID: MB 310-453426/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 453657 — **Prep Batch: 453426**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00200		0.00200	0.000660	mg/L		05/02/25 09:00	05/02/25 17:39	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/02/25 17:39	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/02/25 17:39	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/02/25 17:39	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/02/25 17:39	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/02/25 17:39	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/02/25 17:39	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/02/25 17:39	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/02/25 17:39	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/02/25 17:39	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/02/25 17:39	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/02/25 17:39	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/02/25 17:39	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/02/25 17:39	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/02/25 09:00	05/02/25 17:39	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-453426/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453796
Prep Batch: 453426

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 13:25	1

Lab Sample ID: LCS 310-453426/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453657
Prep Batch: 453426

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.100	0.09091		mg/L		91	80 - 120
Beryllium	0.100	0.08723		mg/L		87	80 - 120
Cadmium	0.100	0.09729		mg/L		97	80 - 120
Chromium	0.100	0.09496		mg/L		95	80 - 120
Cobalt	0.100	0.09733		mg/L		97	80 - 120
Copper	0.200	0.1920		mg/L		96	80 - 120
Lead	0.200	0.2027		mg/L		101	80 - 120
Nickel	0.200	0.1896		mg/L		95	80 - 120
Selenium	0.400	0.3570		mg/L		89	80 - 120
Silver	0.100	0.1090		mg/L		109	80 - 120
Thallium	0.100	0.09268		mg/L		93	80 - 120
Vanadium	0.100	0.09265		mg/L		93	80 - 120
Zinc	0.200	0.1901		mg/L		95	80 - 120
Tin	0.200	0.1799		mg/L		90	80 - 120
Arsenic	0.200	0.1927		mg/L		96	80 - 120

Lab Sample ID: LCS 310-453426/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453796
Prep Batch: 453426

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2043		mg/L		102	80 - 120

Lab Sample ID: 310-305114-3 DU
Client Sample ID: MW-17A-00
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453657
Prep Batch: 453426

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	<0.000200		<0.000200		mg/L		NC	20
Lead	<0.000500		<0.000500		mg/L		NC	20
Silver	<0.00100		<0.00100		mg/L		NC	20
Thallium	<0.00100		<0.00100		mg/L		NC	20

Lab Sample ID: 310-305114-3 DU
Client Sample ID: MW-17A-00
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453796
Prep Batch: 453426

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00200		<0.00200		mg/L		NC	20
Barium	0.481		0.4869		mg/L		1	20
Beryllium	<0.00100		<0.00100		mg/L		NC	20
Tin	<0.00500		<0.00500		mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-453838/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454008
Prep Batch: 453838

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/06/25 11:53	05/07/25 11:46	1

Lab Sample ID: LCS 310-453838/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454008
Prep Batch: 453838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001733		mg/L		104	80 - 120

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 310-453007/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453279
Prep Batch: 453007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0100		0.0100	0.00350	mg/L		04/29/25 09:53	04/30/25 19:25	1

Lab Sample ID: LCS 310-453007/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453279
Prep Batch: 453007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.2014		mg/L		101	90 - 110

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-815682/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 815682

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.00		1.00	0.231	mg/L			04/29/25 23:41	1

Lab Sample ID: LCS 500-815682/2
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 815682

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.745		mg/L		94	80 - 120

Lab Sample ID: 310-305114-1 MS
Client Sample ID: MW-14B
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 815682

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<1.00		9.92	7.968		mg/L		80	75 - 125

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: 310-305114-1 MSD
Matrix: Water
Analysis Batch: 815682

Client Sample ID: MW-14B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<1.00		9.92	8.725		mg/L		88	75 - 125	9	20

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-452960/1
Matrix: Water
Analysis Batch: 452960

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			04/28/25 19:51	1

Lab Sample ID: LCS 310-452960/2
Matrix: Water
Analysis Batch: 452960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	100.0		mg/L		100	81 - 116

Lab Sample ID: MB 310-453110/1
Matrix: Water
Analysis Batch: 453110

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			04/29/25 15:25	1

Lab Sample ID: LCS 310-453110/2
Matrix: Water
Analysis Batch: 453110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	97.00		mg/L		97	81 - 116

Lab Sample ID: MB 310-453225/1
Matrix: Water
Analysis Batch: 453225

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			04/30/25 11:54	1

Lab Sample ID: LCS 310-453225/2
Matrix: Water
Analysis Batch: 453225

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	94.00		mg/L		94	81 - 116

GC/MS VOA

Analysis Batch: 452932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	8260D	
310-305114-2	MW-202A	Total/NA	Water	8260D	
310-305114-3	MW-17A-00	Total/NA	Water	8260D	
310-305114-4	MW-214A	Total/NA	Water	8260D	
310-305114-5	MW-204A	Total/NA	Water	8260D	
310-305114-10	Trip Blank 1	Total/NA	Water	8260D	
310-305114-11	Trip Blank 2	Total/NA	Water	8260D	
310-305114-12	Trip Blank 3	Total/NA	Water	8260D	
MB 310-452932/6	Method Blank	Total/NA	Water	8260D	
LCS 310-452932/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-452932/8	Lab Control Sample	Total/NA	Water	8260D	
310-305114-1 MS	MW-14B	Total/NA	Water	8260D	
310-305114-1 MSD	MW-14B	Total/NA	Water	8260D	

Analysis Batch: 453064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-7	MW-306A	Total/NA	Water	8260D	
MB 310-453064/5	Method Blank	Total/NA	Water	8260D	
LCS 310-453064/6	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 453819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-3	MW-17A-00	Total/NA	Water	8260D	
MB 310-453819/7	Method Blank	Total/NA	Water	8260D	
LCS 310-453819/8	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-453819/9	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 452882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	3510C	
310-305114-2	MW-202A	Total/NA	Water	3510C	
310-305114-3	MW-17A-00	Total/NA	Water	3510C	
310-305114-4	MW-214A	Total/NA	Water	3510C	
310-305114-5	MW-204A	Total/NA	Water	3510C	
MB 310-452882/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-452882/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-452882/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 453654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-5	MW-204A	Total/NA	Water	8270E	452882
MB 310-452882/1-A	Method Blank	Total/NA	Water	8270E	452882
LCS 310-452882/2-A	Lab Control Sample	Total/NA	Water	8270E	452882
LCSD 310-452882/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	452882

Analysis Batch: 453792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-5	MW-204A	Total/NA	Water	8270E	452882
MB 310-452882/1-A	Method Blank	Total/NA	Water	8270E	452882

GC/MS Semi VOA (Continued)

Analysis Batch: 453792 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-452882/2-A	Lab Control Sample	Total/NA	Water	8270E	452882
LCSD 310-452882/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	452882

Analysis Batch: 454001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	8270E	452882
310-305114-2	MW-202A	Total/NA	Water	8270E	452882
310-305114-3	MW-17A-00	Total/NA	Water	8270E	452882
310-305114-4	MW-214A	Total/NA	Water	8270E	452882
310-305114-5	MW-204A	Total/NA	Water	8270E	452882
MB 310-452882/1-A	Method Blank	Total/NA	Water	8270E	452882
LCS 310-452882/2-A	Lab Control Sample	Total/NA	Water	8270E	452882
LCSD 310-452882/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	452882

Analysis Batch: 454212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	8270E	452882
310-305114-2	MW-202A	Total/NA	Water	8270E	452882
310-305114-3	MW-17A-00	Total/NA	Water	8270E	452882
310-305114-4	MW-214A	Total/NA	Water	8270E	452882
310-305114-5	MW-204A	Total/NA	Water	8270E	452882
MB 310-452882/1-A	Method Blank	Total/NA	Water	8270E	452882
LCS 310-452882/2-A	Lab Control Sample	Total/NA	Water	8270E	452882
LCSD 310-452882/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	452882

GC Semi VOA

Leach Batch: 452343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-452343/1-E	Method Blank	Total/NA	Water	1311	

Analysis Batch: 452702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	8015C	
310-305114-2	MW-202A	Total/NA	Water	8015C	
310-305114-3	MW-17A-00	Total/NA	Water	8015C	
310-305114-4	MW-214A	Total/NA	Water	8015C	
310-305114-5	MW-204A	Total/NA	Water	8015C	
MB 310-452702/4	Method Blank	Total/NA	Water	8015C	
LCS 310-452702/5	Lab Control Sample	Total/NA	Water	8015C	

Prep Batch: 452879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	3511	
310-305114-2	MW-202A	Total/NA	Water	3511	
310-305114-3	MW-17A-00	Total/NA	Water	3511	
310-305114-4	MW-214A	Total/NA	Water	3511	
LB 310-452343/1-E	Method Blank	Total/NA	Water	3511	452343
MB 310-452879/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-452879/26-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-452879/2-A	Lab Control Sample	Total/NA	Water	3511	

GC Semi VOA (Continued)

Prep Batch: 452879 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1 MS	MW-14B	Total/NA	Water	3511	
310-305114-1 MSD	MW-14B	Total/NA	Water	3511	

Analysis Batch: 453165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-452879/1-A	Method Blank	Total/NA	Water	8082A	452879

Analysis Batch: 453168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-452343/1-E	Method Blank	Total/NA	Water	8081B	452879
MB 310-452879/1-A	Method Blank	Total/NA	Water	8081B	452879
LCS 310-452879/2-A	Lab Control Sample	Total/NA	Water	8081B	452879

Prep Batch: 453170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-5	MW-204A	Total/NA	Water	3511	
MB 310-453170/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-453170/25-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-453170/2-A	Lab Control Sample	Total/NA	Water	3511	

Analysis Batch: 453319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	8082A	452879
310-305114-2	MW-202A	Total/NA	Water	8082A	452879
310-305114-3	MW-17A-00	Total/NA	Water	8082A	452879
310-305114-4	MW-214A	Total/NA	Water	8082A	452879
LCS 310-452879/26-A	Lab Control Sample	Total/NA	Water	8082A	452879
310-305114-1 MS	MW-14B	Total/NA	Water	8082A	452879
310-305114-1 MSD	MW-14B	Total/NA	Water	8082A	452879

Analysis Batch: 453322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	8081B	452879
310-305114-2	MW-202A	Total/NA	Water	8081B	452879
310-305114-3	MW-17A-00	Total/NA	Water	8081B	452879
310-305114-4	MW-214A	Total/NA	Water	8081B	452879

Analysis Batch: 453472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-453170/1-A	Method Blank	Total/NA	Water	8082A	453170
LCS 310-453170/25-A	Lab Control Sample	Total/NA	Water	8082A	453170

Analysis Batch: 453474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-453170/1-A	Method Blank	Total/NA	Water	8081B	453170
LCS 310-453170/2-A	Lab Control Sample	Total/NA	Water	8081B	453170

Analysis Batch: 453581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-5	MW-204A	Total/NA	Water	8082A	453170

GC Semi VOA

Analysis Batch: 453583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-5	MW-204A	Total/NA	Water	8081B	453170

Prep Batch: 637791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	8151A	
310-305114-2	MW-202A	Total/NA	Water	8151A	
310-305114-3	MW-17A-00	Total/NA	Water	8151A	
310-305114-4	MW-214A	Total/NA	Water	8151A	
310-305114-5	MW-204A	Total/NA	Water	8151A	
MB 410-637791/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-637791/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	
LCS 410-637791/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-637791/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	
LCSD 410-637791/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 637983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	8151A	637791
310-305114-2	MW-202A	Total/NA	Water	8151A	637791
310-305114-3	MW-17A-00	Total/NA	Water	8151A	637791
310-305114-4	MW-214A	Total/NA	Water	8151A	637791
310-305114-5	MW-204A	Total/NA	Water	8151A	637791
MB 410-637791/1-A	Method Blank	Total/NA	Water	8151A	637791
LCS 410-637791/2-A	Lab Control Sample	Total/NA	Water	8151A	637791
LCS 410-637791/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	637791
LCSD 410-637791/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	637791
LCSD 410-637791/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	637791

Metals

Prep Batch: 452923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-8	MW-15A	Total/NA	Water	3005A	
310-305114-9	MW-409	Total/NA	Water	3005A	
MB 310-452923/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-452923/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-305114-9 MS	MW-409	Total/NA	Water	3005A	
310-305114-9 MSD	MW-409	Total/NA	Water	3005A	

Analysis Batch: 453317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-9	MW-409	Total/NA	Water	6020B	452923
MB 310-452923/1-A	Method Blank	Total/NA	Water	6020B	452923
LCS 310-452923/2-A	Lab Control Sample	Total/NA	Water	6020B	452923
310-305114-9 MS	MW-409	Total/NA	Water	6020B	452923
310-305114-9 MSD	MW-409	Total/NA	Water	6020B	452923

Prep Batch: 453423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-6	MW-205A	Total/NA	Water	3005A	
MB 310-453423/1-A	Method Blank	Total/NA	Water	3005A	

Metals (Continued)

Prep Batch: 453423 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-453423/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 453426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	3005A	
310-305114-2	MW-202A	Total/NA	Water	3005A	
310-305114-3	MW-17A-00	Total/NA	Water	3005A	
310-305114-4	MW-214A	Total/NA	Water	3005A	
310-305114-5	MW-204A	Total/NA	Water	3005A	
310-305114-7	MW-306A	Total/NA	Water	3005A	
MB 310-453426/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-453426/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-305114-3 DU	MW-17A-00	Total/NA	Water	3005A	

Analysis Batch: 453470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-8	MW-15A	Total/NA	Water	6020B	452923

Analysis Batch: 453657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	6020B	453426
310-305114-2	MW-202A	Total/NA	Water	6020B	453426
310-305114-3	MW-17A-00	Total/NA	Water	6020B	453426
310-305114-4	MW-214A	Total/NA	Water	6020B	453426
310-305114-5	MW-204A	Total/NA	Water	6020B	453426
310-305114-7	MW-306A	Total/NA	Water	6020B	453426
MB 310-453426/1-A	Method Blank	Total/NA	Water	6020B	453426
LCS 310-453426/2-A	Lab Control Sample	Total/NA	Water	6020B	453426
310-305114-3 DU	MW-17A-00	Total/NA	Water	6020B	453426

Analysis Batch: 453796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	6020B	453426
310-305114-2	MW-202A	Total/NA	Water	6020B	453426
310-305114-3	MW-17A-00	Total/NA	Water	6020B	453426
310-305114-4	MW-214A	Total/NA	Water	6020B	453426
310-305114-5	MW-204A	Total/NA	Water	6020B	453426
310-305114-6	MW-205A	Total/NA	Water	6020B	453423
MB 310-453423/1-A	Method Blank	Total/NA	Water	6020B	453423
MB 310-453426/1-A	Method Blank	Total/NA	Water	6020B	453426
LCS 310-453423/2-A	Lab Control Sample	Total/NA	Water	6020B	453423
LCS 310-453426/2-A	Lab Control Sample	Total/NA	Water	6020B	453426
310-305114-3 DU	MW-17A-00	Total/NA	Water	6020B	453426

Prep Batch: 453838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	7470A	
310-305114-2	MW-202A	Total/NA	Water	7470A	
310-305114-3	MW-17A-00	Total/NA	Water	7470A	
310-305114-4	MW-214A	Total/NA	Water	7470A	
310-305114-5	MW-204A	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 453838 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-453838/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-453838/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 454008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	7470A	453838
310-305114-2	MW-202A	Total/NA	Water	7470A	453838
310-305114-3	MW-17A-00	Total/NA	Water	7470A	453838
310-305114-4	MW-214A	Total/NA	Water	7470A	453838
310-305114-5	MW-204A	Total/NA	Water	7470A	453838
MB 310-453838/1-A	Method Blank	Total/NA	Water	7470A	453838
LCS 310-453838/2-A	Lab Control Sample	Total/NA	Water	7470A	453838

General Chemistry

Analysis Batch: 452960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	I-3765-85	
310-305114-2	MW-202A	Total/NA	Water	I-3765-85	
310-305114-3	MW-17A-00	Total/NA	Water	I-3765-85	
310-305114-4	MW-214A	Total/NA	Water	I-3765-85	
MB 310-452960/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-452960/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Prep Batch: 453007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	9012B	
310-305114-2	MW-202A	Total/NA	Water	9012B	
310-305114-3	MW-17A-00	Total/NA	Water	9012B	
310-305114-4	MW-214A	Total/NA	Water	9012B	
310-305114-5	MW-204A	Total/NA	Water	9012B	
MB 310-453007/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-453007/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 453110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-7	MW-306A	Total/NA	Water	I-3765-85	
310-305114-8	MW-15A	Total/NA	Water	I-3765-85	
310-305114-9	MW-409	Total/NA	Water	I-3765-85	
MB 310-453110/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-453110/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 453225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-5	MW-204A	Total/NA	Water	I-3765-85	
310-305114-6	MW-205A	Total/NA	Water	I-3765-85	
MB 310-453225/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-453225/2	Lab Control Sample	Total/NA	Water	I-3765-85	

QC Association Summary

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

General Chemistry

Analysis Batch: 453279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	9012B	453007
310-305114-2	MW-202A	Total/NA	Water	9012B	453007
310-305114-3	MW-17A-00	Total/NA	Water	9012B	453007
310-305114-4	MW-214A	Total/NA	Water	9012B	453007
310-305114-5	MW-204A	Total/NA	Water	9012B	453007
MB 310-453007/1-A	Method Blank	Total/NA	Water	9012B	453007
LCS 310-453007/2-A	Lab Control Sample	Total/NA	Water	9012B	453007

Analysis Batch: 815682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305114-1	MW-14B	Total/NA	Water	9034	
310-305114-2	MW-202A	Total/NA	Water	9034	
310-305114-3	MW-17A-00	Total/NA	Water	9034	
310-305114-4	MW-214A	Total/NA	Water	9034	
310-305114-5	MW-204A	Total/NA	Water	9034	
MB 500-815682/1	Method Blank	Total/NA	Water	9034	
LCS 500-815682/2	Lab Control Sample	Total/NA	Water	9034	
310-305114-1 MS	MW-14B	Total/NA	Water	9034	
310-305114-1 MSD	MW-14B	Total/NA	Water	9034	

Lab Chronicle

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-14B
Lab Sample ID: 310-305114-1
Date Collected: 04/23/25 10:30
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452932	WSE8	EET CF	04/29/25 11:09
Total/NA	Prep	3510C			452882	J5BR	EET CF	04/28/25 11:23
Total/NA	Analysis	8270E		1	454001	V7YZ	EET CF	05/07/25 15:16
Total/NA	Prep	3510C			452882	J5BR	EET CF	04/28/25 11:23
Total/NA	Analysis	8270E		1	454212	V7YZ	EET CF	05/09/25 11:08
Total/NA	Analysis	8015C		1	452702	BW2O	EET CF	04/28/25 15:18
Total/NA	Prep	3511			452879	BW2O	EET CF	04/28/25 10:59
Total/NA	Analysis	8081B		1	453322	BW2O	EET CF	05/01/25 13:36
Total/NA	Prep	3511			452879	BW2O	EET CF	04/28/25 10:59
Total/NA	Analysis	8082A		1	453319	BW2O	EET CF	05/01/25 13:36
Total/NA	Prep	8151A			637791	QJZ6	ELLE	04/30/25 15:32
Total/NA	Analysis	8151A		1	637983	UAMZ	ELLE	05/01/25 10:33
Total/NA	Prep	3005A			453426	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453657	NFT2	EET CF	05/02/25 18:42
Total/NA	Prep	3005A			453426	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453796	NFT2	EET CF	05/05/25 14:01
Total/NA	Prep	7470A			453838	QTZ5	EET CF	05/06/25 11:53
Total/NA	Analysis	7470A		1	454008	F5MW	EET CF	05/07/25 12:30
Total/NA	Prep	9012B			453007	ENB7	EET CF	04/29/25 09:53
Total/NA	Analysis	9012B		1	453279	ZJX4	EET CF	04/30/25 19:41
Total/NA	Analysis	9034		1	815682	CLB	EET CHI	04/29/25 23:47 - 04/29/25 23:50 [1]
Total/NA	Analysis	I-3765-85		1	452960	MDU9	EET CF	04/28/25 19:51

Client Sample ID: MW-202A
Lab Sample ID: 310-305114-2
Date Collected: 04/23/25 12:48
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452932	WSE8	EET CF	04/29/25 11:31
Total/NA	Prep	3510C			452882	J5BR	EET CF	04/28/25 11:23
Total/NA	Analysis	8270E		1	454001	V7YZ	EET CF	05/07/25 15:42
Total/NA	Prep	3510C			452882	J5BR	EET CF	04/28/25 11:23
Total/NA	Analysis	8270E		1	454212	V7YZ	EET CF	05/09/25 11:27
Total/NA	Analysis	8015C		1	452702	BW2O	EET CF	04/28/25 15:38
Total/NA	Prep	3511			452879	BW2O	EET CF	04/28/25 10:59
Total/NA	Analysis	8081B		1	453322	BW2O	EET CF	05/01/25 13:49
Total/NA	Prep	3511			452879	BW2O	EET CF	04/28/25 10:59
Total/NA	Analysis	8082A		1	453319	BW2O	EET CF	05/01/25 13:49
Total/NA	Prep	8151A			637791	QJZ6	ELLE	04/30/25 15:32
Total/NA	Analysis	8151A		1	637983	UAMZ	ELLE	05/01/25 11:01
Total/NA	Prep	3005A			453426	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453657	NFT2	EET CF	05/02/25 18:13
Total/NA	Prep	3005A			453426	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453796	NFT2	EET CF	05/05/25 13:45

Client Sample ID: MW-202A
Lab Sample ID: 310-305114-2

Date Collected: 04/23/25 12:48
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			453838	QTZ5	EET CF	05/06/25 11:53
Total/NA	Analysis	7470A		1	454008	F5MW	EET CF	05/07/25 12:32
Total/NA	Prep	9012B			453007	ENB7	EET CF	04/29/25 09:53
Total/NA	Analysis	9012B		1	453279	ZJX4	EET CF	04/30/25 19:38
Total/NA	Analysis	9034		1	815682	CLB	EET CHI	04/29/25 23:57 - 04/30/25 00:00 [1]
Total/NA	Analysis	I-3765-85		1	452960	MDU9	EET CF	04/28/25 19:51

Client Sample ID: MW-17A-00
Lab Sample ID: 310-305114-3

Date Collected: 04/23/25 13:45
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452932	WSE8	EET CF	04/29/25 11:54
Total/NA	Analysis	8260D		1	453819	WSE8	EET CF	05/07/25 00:34
Total/NA	Prep	3510C			452882	J5BR	EET CF	04/28/25 11:23
Total/NA	Analysis	8270E		1	454001	V7YZ	EET CF	05/07/25 16:08
Total/NA	Prep	3510C			452882	J5BR	EET CF	04/28/25 11:23
Total/NA	Analysis	8270E		1	454212	V7YZ	EET CF	05/09/25 11:46
Total/NA	Analysis	8015C		1	452702	BW2O	EET CF	04/28/25 15:58
Total/NA	Prep	3511			452879	BW2O	EET CF	04/28/25 10:59
Total/NA	Analysis	8081B		1	453322	BW2O	EET CF	05/01/25 14:02
Total/NA	Prep	3511			452879	BW2O	EET CF	04/28/25 10:59
Total/NA	Analysis	8082A		1	453319	BW2O	EET CF	05/01/25 14:02
Total/NA	Prep	8151A			637791	QJZ6	ELLE	04/30/25 15:32
Total/NA	Analysis	8151A		1	637983	UAMZ	ELLE	05/01/25 12:55
Total/NA	Prep	3005A			453426	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453657	NFT2	EET CF	05/02/25 18:25
Total/NA	Prep	3005A			453426	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453796	NFT2	EET CF	05/05/25 13:47
Total/NA	Prep	7470A			453838	QTZ5	EET CF	05/06/25 11:53
Total/NA	Analysis	7470A		1	454008	F5MW	EET CF	05/07/25 12:39
Total/NA	Prep	9012B			453007	ENB7	EET CF	04/29/25 09:53
Total/NA	Analysis	9012B		1	453279	ZJX4	EET CF	04/30/25 19:33
Total/NA	Analysis	9034		1	815682	CLB	EET CHI	04/30/25 00:00 - 04/30/25 00:03 [1]
Total/NA	Analysis	I-3765-85		1	452960	MDU9	EET CF	04/28/25 19:51

Client Sample ID: MW-214A
Lab Sample ID: 310-305114-4

Date Collected: 04/23/25 15:00
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452932	WSE8	EET CF	04/29/25 12:16
Total/NA	Prep	3510C			452882	J5BR	EET CF	04/28/25 11:23
Total/NA	Analysis	8270E		1	454001	V7YZ	EET CF	05/07/25 16:35

Lab Chronicle

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-214A
Lab Sample ID: 310-305114-4
Date Collected: 04/23/25 15:00
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			452882	J5BR	EET CF	04/28/25 11:23
Total/NA	Analysis	8270E		1	454212	V7YZ	EET CF	05/09/25 12:06
Total/NA	Analysis	8015C		1	452702	BW2O	EET CF	04/28/25 16:18
Total/NA	Prep	3511			452879	BW2O	EET CF	04/28/25 10:59
Total/NA	Analysis	8081B		1	453322	BW2O	EET CF	05/01/25 14:15
Total/NA	Prep	3511			452879	BW2O	EET CF	04/28/25 10:59
Total/NA	Analysis	8082A		1	453319	BW2O	EET CF	05/01/25 14:15
Total/NA	Prep	8151A			637791	QJZ6	ELLE	04/30/25 15:32
Total/NA	Analysis	8151A		1	637983	UAMZ	ELLE	05/01/25 13:23
Total/NA	Prep	3005A			453426	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453657	NFT2	EET CF	05/02/25 18:35
Total/NA	Prep	3005A			453426	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453796	NFT2	EET CF	05/05/25 13:54
Total/NA	Prep	7470A			453838	QTZ5	EET CF	05/06/25 11:53
Total/NA	Analysis	7470A		1	454008	F5MW	EET CF	05/07/25 12:41
Total/NA	Prep	9012B			453007	ENB7	EET CF	04/29/25 09:53
Total/NA	Analysis	9012B		1	453279	ZJX4	EET CF	04/30/25 19:42
Total/NA	Analysis	9034		1	815682	CLB	EET CHI	04/30/25 00:03 - 04/30/25 00:06 [1]
Total/NA	Analysis	I-3765-85		1	452960	MDU9	EET CF	04/28/25 19:51

Client Sample ID: MW-204A
Lab Sample ID: 310-305114-5
Date Collected: 04/24/25 10:25
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452932	WSE8	EET CF	04/29/25 12:39
Total/NA	Prep	3510C			452882	J5BR	EET CF	04/28/25 11:23
Total/NA	Analysis	8270E		1	453792	V7YZ	EET CF	05/06/25 13:04
Total/NA	Prep	3510C			452882	J5BR	EET CF	04/28/25 11:23
Total/NA	Analysis	8270E		1	454001	V7YZ	EET CF	05/07/25 17:01
Total/NA	Prep	3510C			452882	J5BR	EET CF	04/28/25 11:23
Total/NA	Analysis	8270E		1	454212	V7YZ	EET CF	05/09/25 12:25
Total/NA	Prep	3510C			452882	J5BR	EET CF	04/28/25 11:23
Total/NA	Analysis	8270E		1	453654	V7YZ	EET CF	05/05/25 21:35
Total/NA	Analysis	8015C		1	452702	BW2O	EET CF	04/28/25 16:37
Total/NA	Prep	3511			453170	BW2O	EET CF	04/30/25 08:47
Total/NA	Analysis	8081B		1	453583	BW2O	EET CF	05/03/25 11:14
Total/NA	Prep	3511			453170	BW2O	EET CF	04/30/25 08:47
Total/NA	Analysis	8082A		1	453581	BW2O	EET CF	05/03/25 11:14
Total/NA	Prep	8151A			637791	QJZ6	ELLE	04/30/25 15:32
Total/NA	Analysis	8151A		1	637983	UAMZ	ELLE	05/01/25 13:51
Total/NA	Prep	3005A			453426	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453657	NFT2	EET CF	05/02/25 18:39

Lab Chronicle

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-204A
Lab Sample ID: 310-305114-5
Date Collected: 04/24/25 10:25
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			453426	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453796	NFT2	EET CF	05/05/25 13:59
Total/NA	Prep	7470A			453838	QTZ5	EET CF	05/06/25 11:53
Total/NA	Analysis	7470A		1	454008	F5MW	EET CF	05/07/25 12:43
Total/NA	Prep	9012B			453007	ENB7	EET CF	04/29/25 09:53
Total/NA	Analysis	9012B		1	453279	ZJX4	EET CF	04/30/25 19:42
Total/NA	Analysis	9034		1	815682	CLB	EET CHI	04/30/25 00:06 - 04/30/25 00:09 [1]
Total/NA	Analysis	I-3765-85		1	453225	HE7K	EET CF	04/30/25 11:54

Client Sample ID: MW-205A
Lab Sample ID: 310-305114-6
Date Collected: 04/24/25 13:25
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			453423	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453796	NFT2	EET CF	05/05/25 15:46
Total/NA	Analysis	I-3765-85		1	453225	HE7K	EET CF	04/30/25 11:54

Client Sample ID: MW-306A
Lab Sample ID: 310-305114-7
Date Collected: 04/24/25 12:45
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453064	FE5V	EET CF	04/29/25 14:47
Total/NA	Prep	3005A			453426	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453657	NFT2	EET CF	05/02/25 17:59
Total/NA	Analysis	I-3765-85		1	453110	XJ7V	EET CF	04/29/25 15:25

Client Sample ID: MW-15A
Lab Sample ID: 310-305114-8
Date Collected: 04/24/25 14:05
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			452923	QTZ5	EET CF	04/29/25 09:00
Total/NA	Analysis	6020B		1	453470	NFT2	EET CF	05/01/25 16:25
Total/NA	Analysis	I-3765-85		1	453110	XJ7V	EET CF	04/29/25 15:25

Client Sample ID: MW-409
Lab Sample ID: 310-305114-9
Date Collected: 04/24/25 14:35
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			452923	QTZ5	EET CF	04/29/25 09:00
Total/NA	Analysis	6020B		1	453317	ZRI4	EET CF	04/30/25 15:16
Total/NA	Analysis	I-3765-85		1	453110	XJ7V	EET CF	04/29/25 15:25

Lab Chronicle

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 1
Lab Sample ID: 310-305114-10
Date Collected: 04/24/25 00:00
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452932	WSE8	EET CF	04/29/25 13:01

Client Sample ID: Trip Blank 2
Lab Sample ID: 310-305114-11
Date Collected: 04/24/25 00:00
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452932	WSE8	EET CF	04/29/25 10:24

Client Sample ID: Trip Blank 3
Lab Sample ID: 310-305114-12
Date Collected: 04/24/25 00:00
Matrix: Water
Date Received: 04/25/25 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	452932	WSE8	EET CF	04/29/25 10:47

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,2,4-Trichlorobenzene
8260D		Water	Allyl chloride
8260D		Water	Ethyl methacrylate

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	05-06-25
A2LA	Dept. of Energy	0001.01	05-06-25
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	05-04-25
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	05-04-25
California	State	2792	05-04-25
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	05-04-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	05-04-25
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	05-04-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	05-04-25
Iowa	State	361	05-04-25
Kansas	NELAP	E-10151	05-04-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	05-06-25
Kentucky (WW)	State	KY90088	05-04-25
Louisiana (All)	NELAP	02055	05-04-25
Maine	State	2019012	05-04-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	05-04-25
New Hampshire	NELAP	2730	05-04-25

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA011	05-04-25
New York	NELAP	10670	05-04-25
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	05-07-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	05-04-25
Oregon	NELAP	PA200001	05-04-25
Pennsylvania	NELAP	36-00037	05-04-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	05-04-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	05-04-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	05-04-25
Washington	State	C457	04-11-26
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	05-06-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8015C	Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
8151A	Herbicides (GC)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9012B	Cyanide, Total andor Amenable	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	ELLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

eurofins | Environment Testing America

310-305114 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR Inc.

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received. DATE 4-25-25 TIME 1510 Received By: CGC

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes:* Cooler ID.

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 1 of 3

Cooler Custody Seals Present? ☐ Yes ☑ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? HCl & Unpreserved ☑ Yes ☐ No *If yes.* Which VOA samples are in cooler? ↓

MW-214A, MW-204A

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.8 | Corrected Temp (°C): 1.8

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR Inc.

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 4-25-25 | TIME 1510 | Received By: CGC

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 2 of 3

Cooler Custody Seals Present? ☐ Yes ☑ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? (HCl, Unpreserved) ☑ Yes ☐ No *If yes.* Which VOA samples are in cooler? ↓

MW-14B, MW-306A

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 3.3 | Corrected Temp (°C): 3.3

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR Inc.

City/State. CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 4.25.25 | TIME 1510 | Received By: CGC

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes:* Cooler ID.

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 3 of 3

Cooler Custody Seals Present? ☐ Yes ☑ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☑ Yes ☐ No *If yes.* Which VOA samples are in cooler? ↓

MW202A, MW-17A-00

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 2.5 | Corrected Temp (°C): 2.5

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used.		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

2 Yared Amber vials received broken for MW-202A

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

Client Information	Sampler: Joel Fuhrmeister	Lab PM: Calhoun Conner M	Carrier Tracking No(s):	COC No: 310-105392-28018 1
Client Contact: Richard Wilson	Phone: 319-936-5194	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin:	Page: Page of
Company: HDR Inc	PWSID:			Job #:
Address: 1917 S 67th Street	Due Date Requested:			
City: Omaha	TAT Requested (days):			
State, Zip: NE, 68106	Compliance Project: ☐ Yes ☐ No			
Phone: 402-392-6714(Tel)	PO #:			
Email: richard.wilson2@hdrinc.com	WO #:			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL
N None
D HNO3
B NaOH
CB ZnAcetate/NaOH
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil,	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix 1	Appendix 2	TSS	Metals List- As, Ba Co Cu Pb Ni	App 1 VOCs Only	Sulfide	Natural Attenuation: Nitrate sulfate TOC Fe Mn	Dichlorodifluoromethane- 8260D	Bis(2-ethylhexyl) phthalate 8270E	Arsenic	Cobalt	Benzene only	Tetrachloroethene trichloroethene vinyl chloride 8260D	Total Number of containers	Special Instructions/Note.
			Preservation Code:																		
MW-14B	4-23-25	10.30	G	Water				X	X												Natural Attenuation = NITRATE, Sulfate, TOC, 6020- Fe, Mn
MW-202A	4-23-25	1249	G	Water				X	X												
MW-17A-00	4-23-25	1345	G	Water				X	X												
MW-214A	4-23-25	1500	G	Water				X	X												
MW-204A	4-24-25	10.25	G	Water				X	X												
MW-205A	4-24-25	1325	G	Water					X	X											
MW-306A	4-24-25	1245	G	Water					X							X		X			
MW-15A	4-24-25	1405	G	Water					X							X					
MW-409	4-24-25	1435	G	Water					X							X	X				
				Water																	
				Water																	

Possible Hazard Identification
Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client Disposal By Lab Archive For Months

Deliverable Requested: I II III IV Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date	Time.	Method of Shipment:

Relinquished by:	Date/Time: 4-25-25 12:36	Company: CGC	Received by: CGC	Date/Time: 4-25-25 1510	Company: Eurofins
Relinquished by:	Date/Time: 4-25-25 12:36	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temperature(s) oC and Other Remarks.

Ver: 05/06 2024

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-82455.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State - Iowa; State Program - Iowa		Job #: 310-305114-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/8/2025			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_AP Appendix II Herbicides	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-14B (310-305114-1)	4/23/25	10:30 Central	G	Water			X	2	
MW-202A (310-305114-2)	4/23/25	12:48 Central	G	Water			X	2	
MW-17A-00 (310-305114-3)	4/23/25	13:45 Central	G	Water			X	2	
MW-214A (310-305114-4)	4/23/25	15:00 Central	G	Water			X	2	
MW-204A (310-305114-5)	4/24/25	10:25 Central	G	Water			X	2	

Preservation Codes:

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4/28/25 1350				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4/25/25 10:40	Company ESLF

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2: 1.7 C: 1.7

HAA

Ver: 10/10/2024

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-82451 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et eurofinsus com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State - Iowa, State Program - Iowa		Job #: 310-305114-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 5/8/2025			
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

310-305114 COC

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-14B (310-305114-1)	4/23/25	10 30 Central	G	Water			X	1	
MW-202A (310-305114-2)	4/23/25	12 48 Central	G	Water			X	1	
MW-17A-00 (310-305114-3)	4/23/25	13 45 Central	G	Water			X	1	
MW-214A (310-305114-4)	4/23/25	15 00 Central	G	Water			X	1	
MW-204A (310-305114-5)	4/24/25	10 25 Central	G	Water			X	1	

Note Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4/25 1310		Stephanie Hemanez	4/29/25 0905	EETA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		5 → 5.4

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305114-1

Login Number: 305114

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Hirsch, Preston

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305114-1

Login Number: 305114
List Number: 3
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago
List Creation: 04/29/25 03:09 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305114-1

Login Number: 305114
List Number: 2
Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 04/29/25 12:09 PM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Quantitation Limit Exceptions Summary

Client: HDR Inc
Job ID: 310-305114-1
Project/Site: Iowa City Landfill Spring 2025

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260D	1,2-Dibromo-3-Chloropropane	Water	Total/NA	ug/L	1.20	5
8260D	1,2-Dibromoethane (EDB)	Water	Total/NA	ug/L	0.340	1

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Wilson
HDR Inc
1917 S 67th Street
Omaha, Nebraska 68106

Generated 5/13/2025 12:10:32 AM

JOB DESCRIPTION

Iowa City Landfill Spring 2025

JOB NUMBER

310-305203-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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5/13/2025 12:10:32 AM

Authorized for release by
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Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 7
Detection Summary 8
Client Sample Results 11
Definitions 67
Surrogate Summary 69
QC Sample Results 72
QC Association 108
Chronicle 116
Certification Summary 123
Method Summary 125
Chain of Custody 126
Receipt Checklists 135
Detection Limit Exceptions Summary 138

Job Narrative
310-305203-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/29/2025 4:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 2.6°C, 2.9°C, 3.6°C, 4.4°C and 4.4°C.

GC/MS VOA
Method 8260D: The initial calibration verification (ICV) result for batch 310-453153 was above the upper control limit. The affected analyte is: 1,1,1,2-Tetrachloroethane. Sample results were non-detects, and have been reported as qualified data.

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-453153 recovered above the upper control limit for 1,1,1,2-Tetrachloroethane (22.7%D). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is:(CCV 310-453153/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-453153 recovered above the upper control limit for Trichlorofluoromethane (29.5%D) and Dichlorodifluoromethane (43.9%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-453153/4).

Method 8260D: The initial calibration verification (ICV) result for batch 310-453177 was above the upper control limit. The affected analyte is: 1,1,1,2-Tetrachloroethane. Sample results were non-detects, and have been reported as qualified data.

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-453177 recovered above the upper control limit for 1,1,1,2-Tetrachloroethane (24.5%D). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is:(CCV 310-453177/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-453177 recovered above the upper control limit for Trichlorofluoromethane (29.4%D) and Dichlorodifluoromethane (42.7%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-453177/4).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-453661 recovered outside of the control limits for Bromomethane (-22.4%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is impacted: (CCV 310-453661/4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: The laboratory control sample (LCS) for preparation batch 310-453201 and analytical batch 310-453747 recovered outside control limits for the following analytes: Benzo[a]pyrene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-453747 recovered above the upper control limit for bis (2-chloroisopropyl) ether(20.6%D) and Bis(2-ethylhexyl) phthalate(23.9%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-453747/2).

Method 8270E: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-453201 and analytical batch 310-453792 recovered outside control limits for the following analyte(s): 1,4-phenylenediamine. 1,4-phenylenediamine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-453201 and analytical batch 310-453792 recovered outside control limits for the following analytes: Indeno[1,2,3-cd]pyrene and 1,4-phenylenediamine.

Method 8270E: The laboratory control sample (LCS) for preparation batch 310-453201 and analytical batch 310-453792 recovered outside control limits for the following analytes: Benzo[k]fluoranthene, Kepone and Methyl parathion. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The laboratory control sample duplicate (LCSD) for preparation batch 310-453201 and analytical batch 310-453792 recovered outside control limits for the following analytes: Kepone. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
Method 8151A: The laboratory control sample (LCS) for preparation batch 410-638965 and analytical batch 410-639091 recovered outside control limits for the following analytes: 2,4-D, Silvex (2,4,5-TP) and 2,4,5-T. There is insufficient sample remaining to re-extract, therefore the data are reported. MW-6B (310-305203-4), MW-209B (310-305203-5), MW-212A (310-305203-7) and MW-207A (310-305203-8)

Method 8151A: The laboratory control sample (LCS) for preparation batch 410-638965 and analytical batch 410-639091 recovered outside control limits for the following analytes: 2,4-D, Silvex (2,4,5-TP) and 2,4,5-T. The associated sample(s) was re-prepared and/or re-analyzed outside holding time and the LCS is within control limits. Results are reported from the initial analysis. MW-8B (310-305203-1), MW-10B (310-305203-2) and MW-208B (310-305203-3)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
Method 8082A: Surrogate compounds were inadvertently omitted during the extraction process for the following QC: (LCS 310-453384/11-A), (240-222634-C-1-F MS) and (240-222634-C-1-G MSD) due to analyst error. The blank and samples all contained surrogate and passed recovery limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B: The continuing calibration verification (CCV) associated with batch 310-453587 recovered above the upper control limit for 4,4'-DDE. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: Surrogate compounds were inadvertently omitted during the extraction process for the following QC: (LCS 310-453384/30-A), (310-304884-B-1-B MS) and (310-304884-B-1-C MSD) due to analyst error. The blank and samples all contained surrogate and passed recovery limits.

Method 8081B: The continuing calibration verification (CCV) associated with batch 310-453583 recovered above the upper control limit for 4,4'-DDE. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6020B: The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of >2: MW-212A (310-305203-7). The sample(s) was preserved to the appropriate pH in the laboratory.

Method 6020B: The reference method requires samples to be preserved to a pH of <2.The following sample was received with insufficient preservation at a pH of >2: MW-209B (310-305203-5). The sample(s) was preserved to the appropriate pH in the laboratory.

Method 6020B: The continuing calibration verification (CCV) associated with batch 310-454358 recovered above the upper control limit for Tin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 7470A: The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of >2: MW-209B (310-305203-5) and MW-212A (310-305203-7). The sample(s) was preserved to the appropriate pH in the laboratory.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 9034_Calc: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-816040 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 9060A: The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of >2: MW-6B (310-305203-4), MW-209B (310-305203-5), MW-212A (310-305203-7) and MW-207A (310-305203-8). The sample(s) was preserved to the appropriate pH in the laboratory.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-305203-1	MW-8B	Water	04/25/25 08:44	04/29/25 16:35
310-305203-2	MW-10B	Water	04/25/25 09:45	04/29/25 16:35
310-305203-3	MW-208B	Water	04/25/25 10:27	04/29/25 16:35
310-305203-4	MW-6B	Water	04/28/25 07:50	04/29/25 16:35
310-305203-5	MW-209B	Water	04/28/25 09:06	04/29/25 16:35
310-305203-6	MW-211B	Water	04/28/25 10:10	04/29/25 16:35
310-305203-7	MW-212A	Water	04/28/25 12:43	04/29/25 16:35
310-305203-8	MW-207A	Water	04/28/25 13:53	04/29/25 16:35
310-305203-9	Trip Blank 1	Water	04/28/25 00:00	04/29/25 16:35
310-305203-10	Trip Blank 2	Water	04/28/25 00:00	04/29/25 16:35
310-305203-11	Trip Blank 3	Water	04/28/25 00:00	04/29/25 16:35
310-305203-12	Trip Blank 4	Water	04/28/25 00:00	04/29/25 16:35
310-305203-13	Trip Blank 5	Water	04/28/25 00:00	04/29/25 16:35
310-305203-14	Trip Blank 6	Water	04/28/25 00:00	04/29/25 16:35

Detection Summary

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-8B — Lab Sample ID: 310-305203-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0110		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.220		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000832		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	30.0		7.50	5.25	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-10B — Lab Sample ID: 310-305203-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.146		0.00200	0.000660	mg/L	1		6020B	Total/NA
Selenium	0.00170	J	0.00500	0.00140	mg/L	1		6020B	Total/NA

Client Sample ID: MW-208B — Lab Sample ID: 310-305203-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000921	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0622		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000268	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.88		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-6B — Lab Sample ID: 310-305203-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0279		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.467		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.0145		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0102		0.00500	0.00230	mg/L	1		6020B	Total/NA
Iron	28.2		0.100	0.0500	mg/L	1		6020B	Total/NA
Manganese	13.2		0.0400	0.0144	mg/L	4		6020B	Total/NA
Sulfate	309		50.0	18.0	mg/L	10		9038	Total/NA
Total Organic Carbon	10.0		1.00	0.500	mg/L	1		9060A	Total/NA
Total Suspended Solids	110		30.0	21.0	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-209B — Lab Sample ID: 310-305203-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.54	J	10.0	3.10	ug/L	1		8260D	Total/NA
Benzene	9.20		0.500	0.220	ug/L	1		8260D	Total/NA
Chlorobenzene	0.651	J	1.00	0.400	ug/L	1		8260D	Total/NA
Xylenes, Total	4.57		3.00	0.400	ug/L	1		8260D	Total/NA
Silvex (2,4,5-TP)	0.800	*- *1	0.0580	0.0255	ug/L	1		8151A	Total/NA
Nitrate as N	0.759		0.200	0.0780	mg/L	1		9056A	Total/NA
Arsenic	0.0295		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.686		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00218		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0601		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00319	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Iron	60.1		0.100	0.0500	mg/L	1		6020B	Total/NA
Manganese	4.45		0.0100	0.00360	mg/L	1		6020B	Total/NA
Sulfide	1.04		1.00	0.231	mg/L	1		9034	Total/NA
Sulfate	11.6		5.00	1.80	mg/L	1		9038	Total/NA
Total Organic Carbon	19.1		1.00	0.500	mg/L	1		9060A	Total/NA
Total Suspended Solids	168		60.0	42.0	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-211B — Lab Sample ID: 310-305203-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.139		0.0100	0.00265	mg/L	1		6020B	Total/NA
Barium	2.72		0.0100	0.00330	mg/L	1		6020B	Total/NA
Cobalt	0.223		0.00250	0.000850	mg/L	1		6020B	Total/NA
Nickel	0.195		0.0250	0.0115	mg/L	1		6020B	Total/NA
Iron	207		0.500	0.250	mg/L	1		6020B	Total/NA
Manganese	43.4		0.0500	0.0180	mg/L	1		6020B	Total/NA
Sulfate	22.2		5.00	1.80	mg/L	1		9038	Total/NA
Total Organic Carbon	7.34		1.00	0.500	mg/L	1		9060A	Total/NA
Total Suspended Solids	60.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-212A — Lab Sample ID: 310-305203-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00186	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.358		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000423	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Vanadium	0.00280	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Iron	12.2		0.100	0.0500	mg/L	1		6020B	Total/NA
Manganese	12.5		0.0400	0.0144	mg/L	4		6020B	Total/NA
Sulfate	373		50.0	18.0	mg/L	10		9038	Total/NA
Total Organic Carbon	11.9		1.00	0.500	mg/L	1		9060A	Total/NA
Total Suspended Solids	48.0		30.0	21.0	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-207A — Lab Sample ID: 310-305203-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.259		0.0100	0.00265	mg/L	1		6020B	Total/NA
Barium	1.96		0.0100	0.00330	mg/L	1		6020B	Total/NA
Cobalt	0.00324		0.00250	0.000850	mg/L	1		6020B	Total/NA
Iron	136		0.500	0.250	mg/L	1		6020B	Total/NA
Manganese	6.64		0.0500	0.0180	mg/L	1		6020B	Total/NA
Sulfate	66.0		10.0	3.60	mg/L	2		9038	Total/NA
Total Organic Carbon	10.0		1.00	0.500	mg/L	1		9060A	Total/NA
Total Suspended Solids	68.0		30.0	21.0	mg/L	1		I-3765-85	Total/NA

Client Sample ID: Trip Blank 1 — Lab Sample ID: 310-305203-9

No Detections.

Client Sample ID: Trip Blank 2 — Lab Sample ID: 310-305203-10

No Detections.

Client Sample ID: Trip Blank 3 — Lab Sample ID: 310-305203-11

No Detections.

Client Sample ID: Trip Blank 4 — Lab Sample ID: 310-305203-12

No Detections.

Client Sample ID: Trip Blank 5 — Lab Sample ID: 310-305203-13

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 6
Lab Sample ID: 310-305203-14

No Detections.

This Detection Summary does not include radiochemical test results.

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-8B
Lab Sample ID: 310-305203-1
Date Collected: 04/25/25 08:44
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/30/25 13:03	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/30/25 13:03	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/30/25 13:03	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/30/25 13:03	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/30/25 13:03	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/30/25 13:03	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/30/25 13:03	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/30/25 13:03	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/30/25 13:03	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/30/25 13:03	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/30/25 13:03	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/30/25 13:03	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/30/25 13:03	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/30/25 13:03	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/30/25 13:03	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/30/25 13:03	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/30/25 13:03	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/30/25 13:03	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/30/25 13:03	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/30/25 13:03	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/30/25 13:03	1
Acetone	<10.0		10.0	3.10	ug/L			04/30/25 13:03	1
Acrolein	<10.0		10.0	3.60	ug/L			04/30/25 13:03	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/30/25 13:03	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/30/25 13:03	1
Benzene	<0.500		0.500	0.220	ug/L			04/30/25 13:03	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/30/25 13:03	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/30/25 13:03	1
Bromoform	<5.00		5.00	0.780	ug/L			04/30/25 13:03	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/30/25 13:03	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/30/25 13:03	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/30/25 13:03	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/30/25 13:03	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/30/25 13:03	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/30/25 13:03	1
Chloroform	<3.00		3.00	1.30	ug/L			04/30/25 13:03	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/30/25 13:03	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/30/25 13:03	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/30/25 13:03	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/30/25 13:03	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/30/25 13:03	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/30/25 13:03	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/30/25 13:03	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/30/25 13:03	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/30/25 13:03	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/30/25 13:03	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/30/25 13:03	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/30/25 13:03	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/30/25 13:03	1

Client Sample ID: MW-8B
Lab Sample ID: 310-305203-1
Date Collected: 04/25/25 08:44
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/30/25 13:03	1
Styrene	<1.00		1.00	0.370	ug/L			04/30/25 13:03	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/30/25 13:03	1
Toluene	<1.00		1.00	0.430	ug/L			04/30/25 13:03	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/30/25 13:03	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/30/25 13:03	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/30/25 13:03	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/30/25 13:03	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/30/25 13:03	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/30/25 13:03	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/30/25 13:03	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/30/25 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*76 - 130*		*04/30/25 13:03*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*04/30/25 13:03*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*04/30/25 13:03*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.4		10.4	0.667	ug/L		04/30/25 10:50	05/06/25 05:34	1
Acenaphthylene	<10.4		10.4	0.750	ug/L		04/30/25 10:50	05/06/25 05:34	1
Acetophenone	<10.4		10.4	0.719	ug/L		04/30/25 10:50	05/06/25 05:34	1
2-Acetylaminofluorene	<10.4		10.4	2.81	ug/L		04/30/25 10:50	05/06/25 18:23	1
4-Aminobiphenyl	<10.4		10.4	2.29	ug/L		04/30/25 10:50	05/06/25 18:23	1
Anthracene	<10.4		10.4	0.906	ug/L		04/30/25 10:50	05/06/25 05:34	1
Benzo[a]anthracene	<10.4		10.4	0.885	ug/L		04/30/25 10:50	05/06/25 05:34	1
Benzo[a]pyrene	<10.4	*+	10.4	8.44	ug/L		04/30/25 10:50	05/06/25 05:34	1
Benzo[b]fluoranthene	<10.4		10.4	5.10	ug/L		04/30/25 10:50	05/06/25 05:34	1
Benzo[g,h,i]perylene	<10.4		10.4	6.56	ug/L		04/30/25 10:50	05/06/25 05:34	1
Benzo[k]fluoranthene	<10.4		10.4	2.29	ug/L		04/30/25 10:50	05/06/25 05:34	1
Benzyl alcohol	<10.4		10.4	1.35	ug/L		04/30/25 10:50	05/06/25 05:34	1
Bis(2-chloroethoxy)methane	<10.4		10.4	0.792	ug/L		04/30/25 10:50	05/06/25 05:34	1
Bis(2-chloroethyl)ether	<10.4		10.4	0.854	ug/L		04/30/25 10:50	05/06/25 05:34	1
bis (2-chloroisopropyl) ether	<10.4		10.4	0.563	ug/L		04/30/25 10:50	05/06/25 05:34	1
Bis(2-ethylhexyl) phthalate	<10.4		10.4	5.73	ug/L		04/30/25 10:50	05/06/25 05:34	1
4-Bromophenyl phenyl ether	<10.4		10.4	0.729	ug/L		04/30/25 10:50	05/06/25 05:34	1
Butyl benzyl phthalate	<10.4		10.4	5.63	ug/L		04/30/25 10:50	05/06/25 05:34	1
4-Chloroaniline	<10.4		10.4	0.646	ug/L		04/30/25 10:50	05/06/25 05:34	1
Chlorobenzilate	<10.4		10.4	3.75	ug/L		04/30/25 10:50	05/07/25 18:47	1
4-Chloro-3-methylphenol	<10.4		10.4	0.875	ug/L		04/30/25 10:50	05/06/25 05:34	1
2-Chloronaphthalene	<10.4		10.4	0.667	ug/L		04/30/25 10:50	05/06/25 05:34	1
2-Chlorophenol	<10.4		10.4	0.563	ug/L		04/30/25 10:50	05/06/25 05:34	1
4-Chlorophenyl phenyl ether	<10.4		10.4	0.719	ug/L		04/30/25 10:50	05/06/25 05:34	1
Chrysene	<10.4		10.4	0.906	ug/L		04/30/25 10:50	05/06/25 05:34	1
Diallate	<10.4		10.4	4.17	ug/L		04/30/25 10:50	05/06/25 18:23	1
Dibenzo(a,h)anthracene	<10.4		10.4	4.06	ug/L		04/30/25 10:50	05/06/25 05:34	1
Dibenzofuran	<10.4		10.4	0.771	ug/L		04/30/25 10:50	05/06/25 05:34	1
3,3'-Dichlorobenzidine	<10.4		10.4	1.46	ug/L		04/30/25 10:50	05/06/25 05:34	1
2,4-Dichlorophenol	<10.4		10.4	0.885	ug/L		04/30/25 10:50	05/06/25 05:34	1

Client Sample ID: MW-8B
Lab Sample ID: 310-305203-1
Date Collected: 04/25/25 08:44
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.4		10.4	0.719	ug/L		04/30/25 10:50	05/06/25 05:34	1
Diethyl phthalate	<10.4		10.4	1.77	ug/L		04/30/25 10:50	05/06/25 05:34	1
Dimethoate	<10.4		10.4	3.75	ug/L		04/30/25 10:50	05/06/25 18:23	1
7,12-Dimethylbenz(a)anthracene	<10.4		10.4	1.98	ug/L		04/30/25 10:50	05/06/25 18:23	1
3,3'-Dimethylbenzidine	<10.4		10.4	1.56	ug/L		04/30/25 10:50	05/06/25 18:23	1
2,4-Dimethylphenol	<10.4		10.4	0.604	ug/L		04/30/25 10:50	05/06/25 05:34	1
Dimethyl phthalate	<10.4		10.4	1.04	ug/L		04/30/25 10:50	05/06/25 05:34	1
Di-n-butyl phthalate	<10.4		10.4	5.83	ug/L		04/30/25 10:50	05/06/25 05:34	1
1,3-Dinitrobenzene	<10.4		10.4	3.33	ug/L		04/30/25 10:50	05/06/25 05:34	1
4,6-Dinitro-2-methylphenol	<10.4		10.4	7.19	ug/L		04/30/25 10:50	05/06/25 05:34	1
2,4-Dinitrophenol	<20.8		20.8	13.5	ug/L		04/30/25 10:50	05/06/25 05:34	1
2,4-Dinitrotoluene	<10.4		10.4	6.67	ug/L		04/30/25 10:50	05/06/25 05:34	1
2,6-Dinitrotoluene	<10.4		10.4	0.542	ug/L		04/30/25 10:50	05/06/25 05:34	1
Di-n-octyl phthalate	<20.8		20.8	7.29	ug/L		04/30/25 10:50	05/06/25 05:34	1
Dinoseb	<10.4		10.4	2.50	ug/L		04/30/25 10:50	05/06/25 18:23	1
Diphenylamine	<10.4		10.4	6.25	ug/L		04/30/25 10:50	05/06/25 05:34	1
Disulfoton	<10.4		10.4	2.50	ug/L		04/30/25 10:50	05/06/25 18:23	1
Ethyl methanesulfonate	<10.4		10.4	3.75	ug/L		04/30/25 10:50	05/06/25 18:23	1
Ethyl Parathion	<10.4		10.4	2.29	ug/L		04/30/25 10:50	05/06/25 18:23	1
Famphur	<10.4		10.4	3.96	ug/L		04/30/25 10:50	05/09/25 13:43	1
Fluoranthene	<10.4		10.4	1.77	ug/L		04/30/25 10:50	05/06/25 05:34	1
Fluorene	<10.4		10.4	0.823	ug/L		04/30/25 10:50	05/06/25 05:34	1
Hexachlorobenzene	<10.4		10.4	0.729	ug/L		04/30/25 10:50	05/06/25 05:34	1
Hexachlorobutadiene	<10.4		10.4	0.896	ug/L		04/30/25 10:50	05/06/25 05:34	1
Hexachlorocyclopentadiene	<10.4		10.4	5.31	ug/L		04/30/25 10:50	05/06/25 05:34	1
Hexachloroethane	<10.4		10.4	1.01	ug/L		04/30/25 10:50	05/06/25 05:34	1
Hexachloropropene	<10.4		10.4	2.71	ug/L		04/30/25 10:50	05/06/25 18:23	1
Indeno[1,2,3-cd]pyrene	<10.4		10.4	4.38	ug/L		04/30/25 10:50	05/06/25 05:34	1
Isodrin	<10.4		10.4	4.90	ug/L		04/30/25 10:50	05/06/25 18:23	1
Isophorone	<10.4		10.4	0.969	ug/L		04/30/25 10:50	05/06/25 05:34	1
Isosafrole	<10.4		10.4	2.40	ug/L		04/30/25 10:50	05/06/25 18:23	1
Kepone	<10.4	*+	10.4	1.04	ug/L		04/30/25 10:50	05/06/25 18:23	1
Methapyrilene	<10.4		10.4	0.792	ug/L		04/30/25 10:50	05/06/25 18:23	1
3-Methylcholanthrene	<10.4		10.4	0.333	ug/L		04/30/25 10:50	05/06/25 18:23	1
Methyl methanesulfonate	<10.4		10.4	3.44	ug/L		04/30/25 10:50	05/06/25 18:23	1
2-Methylnaphthalene	<10.4		10.4	0.615	ug/L		04/30/25 10:50	05/06/25 05:34	1
Methyl parathion	<10.4	*+	10.4	2.40	ug/L		04/30/25 10:50	05/06/25 18:23	1
2-Methylphenol	<10.4		10.4	0.677	ug/L		04/30/25 10:50	05/06/25 05:34	1
Methylphenol, 3 & 4	<10.4		10.4	0.729	ug/L		04/30/25 10:50	05/06/25 05:34	1
1,4-Naphthoquinone	<10.4		10.4	3.75	ug/L		04/30/25 10:50	05/06/25 18:23	1
1-Naphthylamine	<10.4		10.4	2.60	ug/L		04/30/25 10:50	05/06/25 18:23	1
2-Naphthylamine	<10.4		10.4	2.19	ug/L		04/30/25 10:50	05/06/25 18:23	1
2-Nitroaniline	<10.4		10.4	6.15	ug/L		04/30/25 10:50	05/06/25 05:34	1
3-Nitroaniline	<10.4		10.4	2.81	ug/L		04/30/25 10:50	05/06/25 05:34	1
4-Nitroaniline	<10.4		10.4	1.35	ug/L		04/30/25 10:50	05/06/25 05:34	1
Nitrobenzene	<10.4		10.4	0.833	ug/L		04/30/25 10:50	05/06/25 05:34	1
5-Nitro-o-toluidine	<10.4		10.4	2.92	ug/L		04/30/25 10:50	05/06/25 18:23	1
2-Nitrophenol	<10.4		10.4	7.08	ug/L		04/30/25 10:50	05/06/25 05:34	1
4-Nitrophenol	<10.4		10.4	7.92	ug/L		04/30/25 10:50	05/06/25 05:34	1

Client Sample ID: MW-8B
Lab Sample ID: 310-305203-1
Date Collected: 04/25/25 08:44
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.4		10.4	3.54	ug/L		04/30/25 10:50	05/06/25 18:23	1
N-Nitrosodimethylamine	<10.4		10.4	0.750	ug/L		04/30/25 10:50	05/06/25 05:34	1
N-Nitrosodi-n-butylamine	<10.4		10.4	4.06	ug/L		04/30/25 10:50	05/06/25 18:23	1
N-Nitrosodi-n-propylamine	<10.4		10.4	0.958	ug/L		04/30/25 10:50	05/06/25 05:34	1
N-Nitrosodiphenylamine	<10.4		10.4	0.781	ug/L		04/30/25 10:50	05/06/25 05:34	1
N-Nitrosomethylethylamine	<10.4		10.4	5.10	ug/L		04/30/25 10:50	05/06/25 18:23	1
N-Nitrosopiperidine	<10.4		10.4	2.81	ug/L		04/30/25 10:50	05/06/25 18:23	1
N-Nitrosopyrrolidine	<10.4		10.4	3.75	ug/L		04/30/25 10:50	05/06/25 18:23	1
o,o',o''-Triethylphosphorothioate	<10.4		10.4	3.33	ug/L		04/30/25 10:50	05/06/25 18:23	1
o-Toluidine	<10.4		10.4	3.02	ug/L		04/30/25 10:50	05/06/25 18:23	1
p-Dimethylamino azobenzene	<10.4		10.4	2.29	ug/L		04/30/25 10:50	05/06/25 18:23	1
Pentachlorobenzene	<10.4		10.4	2.92	ug/L		04/30/25 10:50	05/06/25 18:23	1
Pentachloronitrobenzene	<10.4		10.4	6.04	ug/L		04/30/25 10:50	05/06/25 18:23	1
Pentachlorophenol	<10.4		10.4	10.0	ug/L		04/30/25 10:50	05/06/25 05:34	1
Phenacetin	<10.4		10.4	1.98	ug/L		04/30/25 10:50	05/06/25 18:23	1
Phenanthrene	<10.4		10.4	0.823	ug/L		04/30/25 10:50	05/06/25 05:34	1
Phenol	<10.4		10.4	1.15	ug/L		04/30/25 10:50	05/06/25 05:34	1
1,4-phenylenediamine	<10.4	*- *1	10.4	1.98	ug/L		04/30/25 10:50	05/06/25 18:23	1
Phorate	<10.4		10.4	3.33	ug/L		04/30/25 10:50	05/06/25 18:23	1
Pronamide	<10.4		10.4	2.81	ug/L		04/30/25 10:50	05/06/25 18:23	1
Pyrene	<10.4		10.4	0.823	ug/L		04/30/25 10:50	05/06/25 05:34	1
Safrole	<10.4		10.4	2.92	ug/L		04/30/25 10:50	05/06/25 18:23	1
1,2,4,5-Tetrachlorobenzene	<10.4		10.4	0.563	ug/L		04/30/25 10:50	05/06/25 05:34	1
2,3,4,6-Tetrachlorophenol	<10.4		10.4	5.52	ug/L		04/30/25 10:50	05/06/25 05:34	1
Thionazin	<10.4		10.4	3.65	ug/L		04/30/25 10:50	05/06/25 18:23	1
2,4,5-Trichlorophenol	<10.4		10.4	5.52	ug/L		04/30/25 10:50	05/06/25 05:34	1
2,4,6-Trichlorophenol	<10.4		10.4	5.21	ug/L		04/30/25 10:50	05/06/25 05:34	1
1,3,5-Trinitrobenzene	<10.4		10.4	2.40	ug/L		04/30/25 10:50	05/06/25 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*82*		*39 - 118*	*04/30/25 10:50*	*05/06/25 05:34*	*1*
2-Fluorophenol (Surr)	*60*		*25 - 110*	*04/30/25 10:50*	*05/06/25 05:34*	*1*
Nitrobenzene-d5 (Surr)	*84*		*45 - 129*	*04/30/25 10:50*	*05/06/25 05:34*	*1*
Phenol-d5 (Surr)	*56*		*21 - 110*	*04/30/25 10:50*	*05/06/25 05:34*	*1*
Terphenyl-d14 (Surr)	*82*		*12 - 144*	*04/30/25 10:50*	*05/06/25 05:34*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*27 - 136*	*04/30/25 10:50*	*05/06/25 05:34*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/02/25 15:58	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/02/25 15:58	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0921		0.0921	0.0230	ug/L		04/30/25 08:47	05/03/25 11:27	1
4,4'-DDE	<0.0921		0.0921	0.0276	ug/L		04/30/25 08:47	05/03/25 11:27	1
4,4'-DDT	<0.0921		0.0921	0.0184	ug/L		04/30/25 08:47	05/03/25 11:27	1
Aldrin	<0.0921		0.0921	0.0203	ug/L		04/30/25 08:47	05/03/25 11:27	1
alpha-BHC	<0.0921		0.0921	0.00921	ug/L		04/30/25 08:47	05/03/25 11:27	1
beta-BHC	<0.0921		0.0921	0.0387	ug/L		04/30/25 08:47	05/03/25 11:27	1

Client Sample ID: MW-8B
Lab Sample ID: 310-305203-1
Date Collected: 04/25/25 08:44
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.84		1.84	0.359	ug/L		04/30/25 08:47	05/03/25 11:27	1
delta-BHC	<0.0921		0.0921	0.0295	ug/L		04/30/25 08:47	05/03/25 11:27	1
Dieldrin	<0.0921		0.0921	0.0193	ug/L		04/30/25 08:47	05/03/25 11:27	1
Endosulfan I	<0.0921		0.0921	0.0258	ug/L		04/30/25 08:47	05/03/25 11:27	1
Endosulfan II	<0.0921		0.0921	0.0239	ug/L		04/30/25 08:47	05/03/25 11:27	1
Endosulfan sulfate	<0.0921		0.0921	0.0166	ug/L		04/30/25 08:47	05/03/25 11:27	1
Endrin	<0.0921		0.0921	0.0258	ug/L		04/30/25 08:47	05/03/25 11:27	1
Endrin aldehyde	<0.0921		0.0921	0.0249	ug/L		04/30/25 08:47	05/03/25 11:27	1
gamma-BHC (Lindane)	<0.0921		0.0921	0.00921	ug/L		04/30/25 08:47	05/03/25 11:27	1
Heptachlor	<0.0921		0.0921	0.0212	ug/L		04/30/25 08:47	05/03/25 11:27	1
Heptachlor epoxide	<0.0921		0.0921	0.0295	ug/L		04/30/25 08:47	05/03/25 11:27	1
Methoxychlor	<0.0921		0.0921	0.0295	ug/L		04/30/25 08:47	05/03/25 11:27	1
Toxaphene	<1.84		1.84	0.921	ug/L		04/30/25 08:47	05/03/25 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*43*		*10 - 150*	*04/30/25 08:47*	*05/03/25 11:27*	*1*
Tetrachloro-m-xylene	*42*		*17 - 150*	*04/30/25 08:47*	*05/03/25 11:27*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.84		1.84	0.755	ug/L		04/30/25 08:47	05/03/25 11:27	1
PCB-1221	<1.84		1.84	0.755	ug/L		04/30/25 08:47	05/03/25 11:27	1
PCB-1232	<1.84		1.84	0.755	ug/L		04/30/25 08:47	05/03/25 11:27	1
PCB-1242	<1.84		1.84	0.755	ug/L		04/30/25 08:47	05/03/25 11:27	1
PCB-1248	<1.84		1.84	0.636	ug/L		04/30/25 08:47	05/03/25 11:27	1
PCB-1254	<1.84		1.84	0.636	ug/L		04/30/25 08:47	05/03/25 11:27	1
PCB-1260	<1.84		1.84	0.636	ug/L		04/30/25 08:47	05/03/25 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*43*		*10 - 150*	*04/30/25 08:47*	*05/03/25 11:27*	*1*
Tetrachloro-m-xylene	*42*		*17 - 150*	*04/30/25 08:47*	*05/03/25 11:27*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.684	*- *1	0.684	0.285	ug/L		05/02/25 15:51	05/03/25 14:24	1
Silvex (2,4,5-TP)	<0.0570	*- *1	0.0570	0.0251	ug/L		05/02/25 15:51	05/03/25 14:24	1
2,4,5-T	<0.171	*- *1	0.171	0.0741	ug/L		05/02/25 15:51	05/03/25 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*63*		*34 - 142*	*05/02/25 15:51*	*05/03/25 14:24*	*1*
DCAA	*59*		*34 - 142*	*05/02/25 15:51*	*05/03/25 14:24*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 15:13	1
Arsenic	**0.0110**		0.00200	0.000530	mg/L		05/02/25 09:00	05/05/25 15:13	1
Barium	**0.220**		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 15:13	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/05/25 15:13	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/05/25 15:13	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/05/25 15:13	1
Cobalt	**0.000832**		0.000500	0.000170	mg/L		05/02/25 09:00	05/05/25 15:13	1

Client Sample ID: MW-8B
Lab Sample ID: 310-305203-1
Date Collected: 04/25/25 08:44
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/05/25 15:13	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/05/25 15:13	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/05/25 15:13	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/05/25 15:13	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/05/25 15:13	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/05/25 15:13	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/05/25 15:13	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/05/25 15:13	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 15:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/06/25 11:53	05/07/25 12:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/01/25 11:30	05/02/25 19:24	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/01/25 13:38	1
Total Suspended Solids (USGS I-3765-85)	**30.0**		7.50	5.25	mg/L			04/30/25 12:39	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-10B
Lab Sample ID: 310-305203-2
Date Collected: 04/25/25 09:45
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/30/25 13:25	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/30/25 13:25	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/30/25 13:25	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/30/25 13:25	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/30/25 13:25	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/30/25 13:25	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/30/25 13:25	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/30/25 13:25	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/30/25 13:25	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/30/25 13:25	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/30/25 13:25	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/30/25 13:25	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/30/25 13:25	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/30/25 13:25	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/30/25 13:25	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/30/25 13:25	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/30/25 13:25	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/30/25 13:25	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/30/25 13:25	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/30/25 13:25	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/30/25 13:25	1
Acetone	<10.0		10.0	3.10	ug/L			04/30/25 13:25	1
Acrolein	<10.0		10.0	3.60	ug/L			04/30/25 13:25	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/30/25 13:25	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/30/25 13:25	1
Benzene	<0.500		0.500	0.220	ug/L			04/30/25 13:25	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/30/25 13:25	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/30/25 13:25	1
Bromoform	<5.00		5.00	0.780	ug/L			04/30/25 13:25	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/30/25 13:25	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/30/25 13:25	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/30/25 13:25	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/30/25 13:25	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/30/25 13:25	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/30/25 13:25	1
Chloroform	<3.00		3.00	1.30	ug/L			04/30/25 13:25	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/30/25 13:25	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/30/25 13:25	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/30/25 13:25	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/30/25 13:25	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/30/25 13:25	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/30/25 13:25	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/30/25 13:25	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/30/25 13:25	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/30/25 13:25	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/30/25 13:25	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/30/25 13:25	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/30/25 13:25	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/30/25 13:25	1

Client Sample ID: MW-10B
Lab Sample ID: 310-305203-2
Date Collected: 04/25/25 09:45
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/30/25 13:25	1
Styrene	<1.00		1.00	0.370	ug/L			04/30/25 13:25	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/30/25 13:25	1
Toluene	<1.00		1.00	0.430	ug/L			04/30/25 13:25	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/30/25 13:25	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/30/25 13:25	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/30/25 13:25	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/30/25 13:25	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/30/25 13:25	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/30/25 13:25	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/30/25 13:25	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/30/25 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*04/30/25 13:25*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*04/30/25 13:25*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*04/30/25 13:25*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.6		10.6	0.681	ug/L		04/30/25 10:50	05/06/25 06:04	1
Acenaphthylene	<10.6		10.6	0.766	ug/L		04/30/25 10:50	05/06/25 06:04	1
Acetophenone	<10.6		10.6	0.734	ug/L		04/30/25 10:50	05/06/25 06:04	1
2-Acetylaminofluorene	<10.6		10.6	2.87	ug/L		04/30/25 10:50	05/06/25 18:50	1
4-Aminobiphenyl	<10.6		10.6	2.34	ug/L		04/30/25 10:50	05/06/25 18:50	1
Anthracene	<10.6		10.6	0.926	ug/L		04/30/25 10:50	05/06/25 06:04	1
Benzo[a]anthracene	<10.6		10.6	0.904	ug/L		04/30/25 10:50	05/06/25 06:04	1
Benzo[a]pyrene	<10.6	*+	10.6	8.62	ug/L		04/30/25 10:50	05/06/25 06:04	1
Benzo[b]fluoranthene	<10.6		10.6	5.21	ug/L		04/30/25 10:50	05/06/25 06:04	1
Benzo[g,h,i]perylene	<10.6		10.6	6.70	ug/L		04/30/25 10:50	05/06/25 06:04	1
Benzo[k]fluoranthene	<10.6		10.6	2.34	ug/L		04/30/25 10:50	05/06/25 06:04	1
Benzyl alcohol	<10.6		10.6	1.38	ug/L		04/30/25 10:50	05/06/25 06:04	1
Bis(2-chloroethoxy)methane	<10.6		10.6	0.809	ug/L		04/30/25 10:50	05/06/25 06:04	1
Bis(2-chloroethyl)ether	<10.6		10.6	0.872	ug/L		04/30/25 10:50	05/06/25 06:04	1
bis (2-chloroisopropyl) ether	<10.6		10.6	0.574	ug/L		04/30/25 10:50	05/06/25 06:04	1
Bis(2-ethylhexyl) phthalate	<10.6		10.6	5.85	ug/L		04/30/25 10:50	05/06/25 06:04	1
4-Bromophenyl phenyl ether	<10.6		10.6	0.745	ug/L		04/30/25 10:50	05/06/25 06:04	1
Butyl benzyl phthalate	<10.6		10.6	5.74	ug/L		04/30/25 10:50	05/06/25 06:04	1
4-Chloroaniline	<10.6		10.6	0.660	ug/L		04/30/25 10:50	05/06/25 06:04	1
Chlorobenzilate	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/07/25 19:14	1
4-Chloro-3-methylphenol	<10.6		10.6	0.894	ug/L		04/30/25 10:50	05/06/25 06:04	1
2-Chloronaphthalene	<10.6		10.6	0.681	ug/L		04/30/25 10:50	05/06/25 06:04	1
2-Chlorophenol	<10.6		10.6	0.574	ug/L		04/30/25 10:50	05/06/25 06:04	1
4-Chlorophenyl phenyl ether	<10.6		10.6	0.734	ug/L		04/30/25 10:50	05/06/25 06:04	1
Chrysene	<10.6		10.6	0.926	ug/L		04/30/25 10:50	05/06/25 06:04	1
Diallate	<10.6		10.6	4.26	ug/L		04/30/25 10:50	05/06/25 18:50	1
Dibenzo(a,h)anthracene	<10.6		10.6	4.15	ug/L		04/30/25 10:50	05/06/25 06:04	1
Dibenzofuran	<10.6		10.6	0.787	ug/L		04/30/25 10:50	05/06/25 06:04	1
3,3'-Dichlorobenzidine	<10.6		10.6	1.49	ug/L		04/30/25 10:50	05/06/25 06:04	1
2,4-Dichlorophenol	<10.6		10.6	0.904	ug/L		04/30/25 10:50	05/06/25 06:04	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-10B
Lab Sample ID: 310-305203-2
Date Collected: 04/25/25 09:45
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.6		10.6	0.734	ug/L		04/30/25 10:50	05/06/25 06:04	1
Diethyl phthalate	<10.6		10.6	1.81	ug/L		04/30/25 10:50	05/06/25 06:04	1
Dimethoate	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/06/25 18:50	1
7,12-Dimethylbenz(a)anthracene	<10.6		10.6	2.02	ug/L		04/30/25 10:50	05/06/25 18:50	1
3,3'-Dimethylbenzidine	<10.6		10.6	1.60	ug/L		04/30/25 10:50	05/06/25 18:50	1
2,4-Dimethylphenol	<10.6		10.6	0.617	ug/L		04/30/25 10:50	05/06/25 06:04	1
Dimethyl phthalate	<10.6		10.6	1.06	ug/L		04/30/25 10:50	05/06/25 06:04	1
Di-n-butyl phthalate	<10.6		10.6	5.96	ug/L		04/30/25 10:50	05/06/25 06:04	1
1,3-Dinitrobenzene	<10.6		10.6	3.40	ug/L		04/30/25 10:50	05/06/25 06:04	1
4,6-Dinitro-2-methylphenol	<10.6		10.6	7.34	ug/L		04/30/25 10:50	05/06/25 06:04	1
2,4-Dinitrophenol	<21.3		21.3	13.8	ug/L		04/30/25 10:50	05/06/25 06:04	1
2,4-Dinitrotoluene	<10.6		10.6	6.81	ug/L		04/30/25 10:50	05/06/25 06:04	1
2,6-Dinitrotoluene	<10.6		10.6	0.553	ug/L		04/30/25 10:50	05/06/25 06:04	1
Di-n-octyl phthalate	<21.3		21.3	7.45	ug/L		04/30/25 10:50	05/06/25 06:04	1
Dinoseb	<10.6		10.6	2.55	ug/L		04/30/25 10:50	05/06/25 18:50	1
Diphenylamine	<10.6		10.6	6.38	ug/L		04/30/25 10:50	05/06/25 06:04	1
Disulfoton	<10.6		10.6	2.55	ug/L		04/30/25 10:50	05/06/25 18:50	1
Ethyl methanesulfonate	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/06/25 18:50	1
Ethyl Parathion	<10.6		10.6	2.34	ug/L		04/30/25 10:50	05/06/25 18:50	1
Famphur	<10.6		10.6	4.04	ug/L		04/30/25 10:50	05/09/25 14:02	1
Fluoranthene	<10.6		10.6	1.81	ug/L		04/30/25 10:50	05/06/25 06:04	1
Fluorene	<10.6		10.6	0.840	ug/L		04/30/25 10:50	05/06/25 06:04	1
Hexachlorobenzene	<10.6		10.6	0.745	ug/L		04/30/25 10:50	05/06/25 06:04	1
Hexachlorobutadiene	<10.6		10.6	0.915	ug/L		04/30/25 10:50	05/06/25 06:04	1
Hexachlorocyclopentadiene	<10.6		10.6	5.43	ug/L		04/30/25 10:50	05/06/25 06:04	1
Hexachloroethane	<10.6		10.6	1.03	ug/L		04/30/25 10:50	05/06/25 06:04	1
Hexachloropropene	<10.6		10.6	2.77	ug/L		04/30/25 10:50	05/06/25 18:50	1
Indeno[1,2,3-cd]pyrene	<10.6		10.6	4.47	ug/L		04/30/25 10:50	05/06/25 06:04	1
Isodrin	<10.6		10.6	5.00	ug/L		04/30/25 10:50	05/06/25 18:50	1
Isophorone	<10.6		10.6	0.989	ug/L		04/30/25 10:50	05/06/25 06:04	1
Isosafrole	<10.6		10.6	2.45	ug/L		04/30/25 10:50	05/06/25 18:50	1
Kepone	<10.6	*+	10.6	1.06	ug/L		04/30/25 10:50	05/06/25 18:50	1
Methapyrilene	<10.6		10.6	0.809	ug/L		04/30/25 10:50	05/06/25 18:50	1
3-Methylcholanthrene	<10.6		10.6	0.340	ug/L		04/30/25 10:50	05/06/25 18:50	1
Methyl methanesulfonate	<10.6		10.6	3.51	ug/L		04/30/25 10:50	05/06/25 18:50	1
2-Methylnaphthalene	<10.6		10.6	0.628	ug/L		04/30/25 10:50	05/06/25 06:04	1
Methyl parathion	<10.6	*+	10.6	2.45	ug/L		04/30/25 10:50	05/06/25 18:50	1
2-Methylphenol	<10.6		10.6	0.691	ug/L		04/30/25 10:50	05/06/25 06:04	1
Methylphenol, 3 & 4	<10.6		10.6	0.745	ug/L		04/30/25 10:50	05/06/25 06:04	1
1,4-Naphthoquinone	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/06/25 18:50	1
1-Naphthylamine	<10.6		10.6	2.66	ug/L		04/30/25 10:50	05/06/25 18:50	1
2-Naphthylamine	<10.6		10.6	2.23	ug/L		04/30/25 10:50	05/06/25 18:50	1
2-Nitroaniline	<10.6		10.6	6.28	ug/L		04/30/25 10:50	05/06/25 06:04	1
3-Nitroaniline	<10.6		10.6	2.87	ug/L		04/30/25 10:50	05/06/25 06:04	1
4-Nitroaniline	<10.6		10.6	1.38	ug/L		04/30/25 10:50	05/06/25 06:04	1
Nitrobenzene	<10.6		10.6	0.851	ug/L		04/30/25 10:50	05/06/25 06:04	1
5-Nitro-o-toluidine	<10.6		10.6	2.98	ug/L		04/30/25 10:50	05/06/25 18:50	1
2-Nitrophenol	<10.6		10.6	7.23	ug/L		04/30/25 10:50	05/06/25 06:04	1
4-Nitrophenol	<10.6		10.6	8.09	ug/L		04/30/25 10:50	05/06/25 06:04	1

Client Sample ID: MW-10B
Lab Sample ID: 310-305203-2
Date Collected: 04/25/25 09:45
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.6		10.6	3.62	ug/L		04/30/25 10:50	05/06/25 18:50	1
N-Nitrosodimethylamine	<10.6		10.6	0.766	ug/L		04/30/25 10:50	05/06/25 06:04	1
N-Nitrosodi-n-butylamine	<10.6		10.6	4.15	ug/L		04/30/25 10:50	05/06/25 18:50	1
N-Nitrosodi-n-propylamine	<10.6		10.6	0.979	ug/L		04/30/25 10:50	05/06/25 06:04	1
N-Nitrosodiphenylamine	<10.6		10.6	0.798	ug/L		04/30/25 10:50	05/06/25 06:04	1
N-Nitrosomethylethylamine	<10.6		10.6	5.21	ug/L		04/30/25 10:50	05/06/25 18:50	1
N-Nitrosopiperidine	<10.6		10.6	2.87	ug/L		04/30/25 10:50	05/06/25 18:50	1
N-Nitrosopyrrolidine	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/06/25 18:50	1
o,o',o''-Triethylphosphorothioate	<10.6		10.6	3.40	ug/L		04/30/25 10:50	05/06/25 18:50	1
o-Toluidine	<10.6		10.6	3.09	ug/L		04/30/25 10:50	05/06/25 18:50	1
p-Dimethylamino azobenzene	<10.6		10.6	2.34	ug/L		04/30/25 10:50	05/06/25 18:50	1
Pentachlorobenzene	<10.6		10.6	2.98	ug/L		04/30/25 10:50	05/06/25 18:50	1
Pentachloronitrobenzene	<10.6		10.6	6.17	ug/L		04/30/25 10:50	05/06/25 18:50	1
Pentachlorophenol	<10.6		10.6	10.2	ug/L		04/30/25 10:50	05/06/25 06:04	1
Phenacetin	<10.6		10.6	2.02	ug/L		04/30/25 10:50	05/06/25 18:50	1
Phenanthrene	<10.6		10.6	0.840	ug/L		04/30/25 10:50	05/06/25 06:04	1
Phenol	<10.6		10.6	1.17	ug/L		04/30/25 10:50	05/06/25 06:04	1
1,4-phenylenediamine	<10.6	*- *1	10.6	2.02	ug/L		04/30/25 10:50	05/06/25 18:50	1
Phorate	<10.6		10.6	3.40	ug/L		04/30/25 10:50	05/06/25 18:50	1
Pronamide	<10.6		10.6	2.87	ug/L		04/30/25 10:50	05/06/25 18:50	1
Pyrene	<10.6		10.6	0.840	ug/L		04/30/25 10:50	05/06/25 06:04	1
Safrole	<10.6		10.6	2.98	ug/L		04/30/25 10:50	05/06/25 18:50	1
1,2,4,5-Tetrachlorobenzene	<10.6		10.6	0.574	ug/L		04/30/25 10:50	05/06/25 06:04	1
2,3,4,6-Tetrachlorophenol	<10.6		10.6	5.64	ug/L		04/30/25 10:50	05/06/25 06:04	1
Thionazin	<10.6		10.6	3.72	ug/L		04/30/25 10:50	05/06/25 18:50	1
2,4,5-Trichlorophenol	<10.6		10.6	5.64	ug/L		04/30/25 10:50	05/06/25 06:04	1
2,4,6-Trichlorophenol	<10.6		10.6	5.32	ug/L		04/30/25 10:50	05/06/25 06:04	1
1,3,5-Trinitrobenzene	<10.6		10.6	2.45	ug/L		04/30/25 10:50	05/06/25 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*80*		*39 - 118*	*04/30/25 10:50*	*05/06/25 06:04*	*1*
2-Fluorophenol (Surr)	*62*		*25 - 110*	*04/30/25 10:50*	*05/06/25 06:04*	*1*
Nitrobenzene-d5 (Surr)	*83*		*45 - 129*	*04/30/25 10:50*	*05/06/25 06:04*	*1*
Phenol-d5 (Surr)	*57*		*21 - 110*	*04/30/25 10:50*	*05/06/25 06:04*	*1*
Terphenyl-d14 (Surr)	*84*		*12 - 144*	*04/30/25 10:50*	*05/06/25 06:04*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*27 - 136*	*04/30/25 10:50*	*05/06/25 06:04*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/02/25 16:18	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/02/25 16:18	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0964		0.0964	0.0241	ug/L		04/30/25 08:47	05/03/25 11:40	1
4,4'-DDE	<0.0964		0.0964	0.0289	ug/L		04/30/25 08:47	05/03/25 11:40	1
4,4'-DDT	<0.0964		0.0964	0.0193	ug/L		04/30/25 08:47	05/03/25 11:40	1
Aldrin	<0.0964		0.0964	0.0212	ug/L		04/30/25 08:47	05/03/25 11:40	1
alpha-BHC	<0.0964		0.0964	0.00964	ug/L		04/30/25 08:47	05/03/25 11:40	1
beta-BHC	<0.0964		0.0964	0.0405	ug/L		04/30/25 08:47	05/03/25 11:40	1

Client Sample ID: MW-10B
Lab Sample ID: 310-305203-2
Date Collected: 04/25/25 09:45
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.93		1.93	0.376	ug/L		04/30/25 08:47	05/03/25 11:40	1
delta-BHC	<0.0964		0.0964	0.0309	ug/L		04/30/25 08:47	05/03/25 11:40	1
Dieldrin	<0.0964		0.0964	0.0202	ug/L		04/30/25 08:47	05/03/25 11:40	1
Endosulfan I	<0.0964		0.0964	0.0270	ug/L		04/30/25 08:47	05/03/25 11:40	1
Endosulfan II	<0.0964		0.0964	0.0251	ug/L		04/30/25 08:47	05/03/25 11:40	1
Endosulfan sulfate	<0.0964		0.0964	0.0174	ug/L		04/30/25 08:47	05/03/25 11:40	1
Endrin	<0.0964		0.0964	0.0270	ug/L		04/30/25 08:47	05/03/25 11:40	1
Endrin aldehyde	<0.0964		0.0964	0.0260	ug/L		04/30/25 08:47	05/03/25 11:40	1
gamma-BHC (Lindane)	<0.0964		0.0964	0.00964	ug/L		04/30/25 08:47	05/03/25 11:40	1
Heptachlor	<0.0964		0.0964	0.0222	ug/L		04/30/25 08:47	05/03/25 11:40	1
Heptachlor epoxide	<0.0964		0.0964	0.0309	ug/L		04/30/25 08:47	05/03/25 11:40	1
Methoxychlor	<0.0964		0.0964	0.0309	ug/L		04/30/25 08:47	05/03/25 11:40	1
Toxaphene	<1.93		1.93	0.964	ug/L		04/30/25 08:47	05/03/25 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*10 - 150*	*04/30/25 08:47*	*05/03/25 11:40*	*1*
Tetrachloro-m-xylene	*52*		*17 - 150*	*04/30/25 08:47*	*05/03/25 11:40*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.93		1.93	0.791	ug/L		04/30/25 08:47	05/03/25 11:40	1
PCB-1221	<1.93		1.93	0.791	ug/L		04/30/25 08:47	05/03/25 11:40	1
PCB-1232	<1.93		1.93	0.791	ug/L		04/30/25 08:47	05/03/25 11:40	1
PCB-1242	<1.93		1.93	0.791	ug/L		04/30/25 08:47	05/03/25 11:40	1
PCB-1248	<1.93		1.93	0.665	ug/L		04/30/25 08:47	05/03/25 11:40	1
PCB-1254	<1.93		1.93	0.665	ug/L		04/30/25 08:47	05/03/25 11:40	1
PCB-1260	<1.93		1.93	0.665	ug/L		04/30/25 08:47	05/03/25 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*78*		*10 - 150*	*04/30/25 08:47*	*05/03/25 11:40*	*1*
Tetrachloro-m-xylene	*52*		*17 - 150*	*04/30/25 08:47*	*05/03/25 11:40*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.635	*- *1	0.635	0.265	ug/L		05/02/25 15:51	05/03/25 14:53	1
Silvex (2,4,5-TP)	<0.0529	*- *1	0.0529	0.0233	ug/L		05/02/25 15:51	05/03/25 14:53	1
2,4,5-T	<0.159	*- *1	0.159	0.0688	ug/L		05/02/25 15:51	05/03/25 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*59*		*34 - 142*	*05/02/25 15:51*	*05/03/25 14:53*	*1*
DCAA	*54*		*34 - 142*	*05/02/25 15:51*	*05/03/25 14:53*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 15:48	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/02/25 09:00	05/05/25 15:48	1
Barium	**0.146**		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 15:48	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/05/25 15:48	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/05/25 15:48	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/05/25 15:48	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/05/25 15:48	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-10B
Lab Sample ID: 310-305203-2
Date Collected: 04/25/25 09:45
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/05/25 15:48	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/05/25 15:48	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/05/25 15:48	1
Selenium	**0.00170**	**J**	0.00500	0.00140	mg/L		05/02/25 09:00	05/05/25 15:48	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/05/25 15:48	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/05/25 15:48	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/05/25 15:48	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/05/25 15:48	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 15:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/08/25 12:33	05/09/25 13:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/01/25 11:30	05/02/25 19:15	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/01/25 13:42	1
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			04/30/25 12:39	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-208B
Lab Sample ID: 310-305203-3
Date Collected: 04/25/25 10:27
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/30/25 13:47	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/30/25 13:47	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/30/25 13:47	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/30/25 13:47	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/30/25 13:47	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/30/25 13:47	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/30/25 13:47	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/30/25 13:47	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/30/25 13:47	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/30/25 13:47	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/30/25 13:47	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/30/25 13:47	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/30/25 13:47	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/30/25 13:47	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/30/25 13:47	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/30/25 13:47	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/30/25 13:47	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/30/25 13:47	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/30/25 13:47	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/30/25 13:47	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/30/25 13:47	1
Acetone	<10.0		10.0	3.10	ug/L			04/30/25 13:47	1
Acrolein	<10.0		10.0	3.60	ug/L			04/30/25 13:47	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/30/25 13:47	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/30/25 13:47	1
Benzene	<0.500		0.500	0.220	ug/L			04/30/25 13:47	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/30/25 13:47	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/30/25 13:47	1
Bromoform	<5.00		5.00	0.780	ug/L			04/30/25 13:47	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/30/25 13:47	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/30/25 13:47	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/30/25 13:47	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/30/25 13:47	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/30/25 13:47	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/30/25 13:47	1
Chloroform	<3.00		3.00	1.30	ug/L			04/30/25 13:47	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/30/25 13:47	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/30/25 13:47	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/30/25 13:47	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/30/25 13:47	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/30/25 13:47	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/30/25 13:47	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/30/25 13:47	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/30/25 13:47	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/30/25 13:47	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/30/25 13:47	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/30/25 13:47	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/30/25 13:47	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/30/25 13:47	1

Client Sample ID: MW-208B
Lab Sample ID: 310-305203-3
Date Collected: 04/25/25 10:27
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/30/25 13:47	1
Styrene	<1.00		1.00	0.370	ug/L			04/30/25 13:47	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/30/25 13:47	1
Toluene	<1.00		1.00	0.430	ug/L			04/30/25 13:47	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/30/25 13:47	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/30/25 13:47	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/30/25 13:47	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/30/25 13:47	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/30/25 13:47	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/30/25 13:47	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/30/25 13:47	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/30/25 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*04/30/25 13:47*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*04/30/25 13:47*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*04/30/25 13:47*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.2		10.2	0.653	ug/L		04/30/25 10:50	05/06/25 06:33	1
Acenaphthylene	<10.2		10.2	0.735	ug/L		04/30/25 10:50	05/06/25 06:33	1
Acetophenone	<10.2		10.2	0.704	ug/L		04/30/25 10:50	05/06/25 06:33	1
2-Acetylaminofluorene	<10.2		10.2	2.76	ug/L		04/30/25 10:50	05/06/25 19:17	1
4-Aminobiphenyl	<10.2		10.2	2.24	ug/L		04/30/25 10:50	05/06/25 19:17	1
Anthracene	<10.2		10.2	0.888	ug/L		04/30/25 10:50	05/06/25 06:33	1
Benzo[a]anthracene	<10.2		10.2	0.867	ug/L		04/30/25 10:50	05/06/25 06:33	1
Benzo[a]pyrene	<10.2	*+	10.2	8.27	ug/L		04/30/25 10:50	05/06/25 06:33	1
Benzo[b]fluoranthene	<10.2		10.2	5.00	ug/L		04/30/25 10:50	05/06/25 06:33	1
Benzo[g,h,i]perylene	<10.2		10.2	6.43	ug/L		04/30/25 10:50	05/06/25 06:33	1
Benzo[k]fluoranthene	<10.2		10.2	2.24	ug/L		04/30/25 10:50	05/06/25 06:33	1
Benzyl alcohol	<10.2		10.2	1.33	ug/L		04/30/25 10:50	05/06/25 06:33	1
Bis(2-chloroethoxy)methane	<10.2		10.2	0.776	ug/L		04/30/25 10:50	05/06/25 06:33	1
Bis(2-chloroethyl)ether	<10.2		10.2	0.837	ug/L		04/30/25 10:50	05/06/25 06:33	1
bis (2-chloroisopropyl) ether	<10.2		10.2	0.551	ug/L		04/30/25 10:50	05/06/25 06:33	1
Bis(2-ethylhexyl) phthalate	<10.2		10.2	5.61	ug/L		04/30/25 10:50	05/06/25 06:33	1
4-Bromophenyl phenyl ether	<10.2		10.2	0.714	ug/L		04/30/25 10:50	05/06/25 06:33	1
Butyl benzyl phthalate	<10.2		10.2	5.51	ug/L		04/30/25 10:50	05/06/25 06:33	1
4-Chloroaniline	<10.2		10.2	0.633	ug/L		04/30/25 10:50	05/06/25 06:33	1
Chlorobenzilate	<10.2		10.2	3.67	ug/L		04/30/25 10:50	05/07/25 19:41	1
4-Chloro-3-methylphenol	<10.2		10.2	0.857	ug/L		04/30/25 10:50	05/06/25 06:33	1
2-Chloronaphthalene	<10.2		10.2	0.653	ug/L		04/30/25 10:50	05/06/25 06:33	1
2-Chlorophenol	<10.2		10.2	0.551	ug/L		04/30/25 10:50	05/06/25 06:33	1
4-Chlorophenyl phenyl ether	<10.2		10.2	0.704	ug/L		04/30/25 10:50	05/06/25 06:33	1
Chrysene	<10.2		10.2	0.888	ug/L		04/30/25 10:50	05/06/25 06:33	1
Diallate	<10.2		10.2	4.08	ug/L		04/30/25 10:50	05/06/25 19:17	1
Dibenzo(a,h)anthracene	<10.2		10.2	3.98	ug/L		04/30/25 10:50	05/06/25 06:33	1
Dibenzofuran	<10.2		10.2	0.755	ug/L		04/30/25 10:50	05/06/25 06:33	1
3,3'-Dichlorobenzidine	<10.2		10.2	1.43	ug/L		04/30/25 10:50	05/06/25 06:33	1
2,4-Dichlorophenol	<10.2		10.2	0.867	ug/L		04/30/25 10:50	05/06/25 06:33	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-208B
Lab Sample ID: 310-305203-3
Date Collected: 04/25/25 10:27
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.2		10.2	0.704	ug/L		04/30/25 10:50	05/06/25 06:33	1
Diethyl phthalate	<10.2		10.2	1.73	ug/L		04/30/25 10:50	05/06/25 06:33	1
Dimethoate	<10.2		10.2	3.67	ug/L		04/30/25 10:50	05/06/25 19:17	1
7,12-Dimethylbenz(a)anthracene	<10.2		10.2	1.94	ug/L		04/30/25 10:50	05/06/25 19:17	1
3,3'-Dimethylbenzidine	<10.2		10.2	1.53	ug/L		04/30/25 10:50	05/06/25 19:17	1
2,4-Dimethylphenol	<10.2		10.2	0.592	ug/L		04/30/25 10:50	05/06/25 06:33	1
Dimethyl phthalate	<10.2		10.2	1.02	ug/L		04/30/25 10:50	05/06/25 06:33	1
Di-n-butyl phthalate	<10.2		10.2	5.71	ug/L		04/30/25 10:50	05/06/25 06:33	1
1,3-Dinitrobenzene	<10.2		10.2	3.27	ug/L		04/30/25 10:50	05/06/25 06:33	1
4,6-Dinitro-2-methylphenol	<10.2		10.2	7.04	ug/L		04/30/25 10:50	05/06/25 06:33	1
2,4-Dinitrophenol	<20.4		20.4	13.3	ug/L		04/30/25 10:50	05/06/25 06:33	1
2,4-Dinitrotoluene	<10.2		10.2	6.53	ug/L		04/30/25 10:50	05/06/25 06:33	1
2,6-Dinitrotoluene	<10.2		10.2	0.531	ug/L		04/30/25 10:50	05/06/25 06:33	1
Di-n-octyl phthalate	<20.4		20.4	7.14	ug/L		04/30/25 10:50	05/06/25 06:33	1
Dinoseb	<10.2		10.2	2.45	ug/L		04/30/25 10:50	05/06/25 19:17	1
Diphenylamine	<10.2		10.2	6.12	ug/L		04/30/25 10:50	05/06/25 06:33	1
Disulfoton	<10.2		10.2	2.45	ug/L		04/30/25 10:50	05/06/25 19:17	1
Ethyl methanesulfonate	<10.2		10.2	3.67	ug/L		04/30/25 10:50	05/06/25 19:17	1
Ethyl Parathion	<10.2		10.2	2.24	ug/L		04/30/25 10:50	05/06/25 19:17	1
Famphur	<10.2		10.2	3.88	ug/L		04/30/25 10:50	05/09/25 14:21	1
Fluoranthene	<10.2		10.2	1.73	ug/L		04/30/25 10:50	05/06/25 06:33	1
Fluorene	<10.2		10.2	0.806	ug/L		04/30/25 10:50	05/06/25 06:33	1
Hexachlorobenzene	<10.2		10.2	0.714	ug/L		04/30/25 10:50	05/06/25 06:33	1
Hexachlorobutadiene	<10.2		10.2	0.878	ug/L		04/30/25 10:50	05/06/25 06:33	1
Hexachlorocyclopentadiene	<10.2		10.2	5.20	ug/L		04/30/25 10:50	05/06/25 06:33	1
Hexachloroethane	<10.2		10.2	0.990	ug/L		04/30/25 10:50	05/06/25 06:33	1
Hexachloropropene	<10.2		10.2	2.65	ug/L		04/30/25 10:50	05/06/25 19:17	1
Indeno[1,2,3-cd]pyrene	<10.2		10.2	4.29	ug/L		04/30/25 10:50	05/06/25 06:33	1
Isodrin	<10.2		10.2	4.80	ug/L		04/30/25 10:50	05/06/25 19:17	1
Isophorone	<10.2		10.2	0.949	ug/L		04/30/25 10:50	05/06/25 06:33	1
Isosafrole	<10.2		10.2	2.35	ug/L		04/30/25 10:50	05/06/25 19:17	1
Kepone	<10.2	*+	10.2	1.02	ug/L		04/30/25 10:50	05/06/25 19:17	1
Methapyrilene	<10.2		10.2	0.776	ug/L		04/30/25 10:50	05/06/25 19:17	1
3-Methylcholanthrene	<10.2		10.2	0.327	ug/L		04/30/25 10:50	05/06/25 19:17	1
Methyl methanesulfonate	<10.2		10.2	3.37	ug/L		04/30/25 10:50	05/06/25 19:17	1
2-Methylnaphthalene	<10.2		10.2	0.602	ug/L		04/30/25 10:50	05/06/25 06:33	1
Methyl parathion	<10.2	*+	10.2	2.35	ug/L		04/30/25 10:50	05/06/25 19:17	1
2-Methylphenol	<10.2		10.2	0.663	ug/L		04/30/25 10:50	05/06/25 06:33	1
Methylphenol, 3 & 4	<10.2		10.2	0.714	ug/L		04/30/25 10:50	05/06/25 06:33	1
1,4-Naphthoquinone	<10.2		10.2	3.67	ug/L		04/30/25 10:50	05/06/25 19:17	1
1-Naphthylamine	<10.2		10.2	2.55	ug/L		04/30/25 10:50	05/06/25 19:17	1
2-Naphthylamine	<10.2		10.2	2.14	ug/L		04/30/25 10:50	05/06/25 19:17	1
2-Nitroaniline	<10.2		10.2	6.02	ug/L		04/30/25 10:50	05/06/25 06:33	1
3-Nitroaniline	<10.2		10.2	2.76	ug/L		04/30/25 10:50	05/06/25 06:33	1
4-Nitroaniline	<10.2		10.2	1.33	ug/L		04/30/25 10:50	05/06/25 06:33	1
Nitrobenzene	<10.2		10.2	0.816	ug/L		04/30/25 10:50	05/06/25 06:33	1
5-Nitro-o-toluidine	<10.2		10.2	2.86	ug/L		04/30/25 10:50	05/06/25 19:17	1
2-Nitrophenol	<10.2		10.2	6.94	ug/L		04/30/25 10:50	05/06/25 06:33	1
4-Nitrophenol	<10.2		10.2	7.76	ug/L		04/30/25 10:50	05/06/25 06:33	1

Client Sample ID: MW-208B
Lab Sample ID: 310-305203-3
Date Collected: 04/25/25 10:27
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.2		10.2	3.47	ug/L		04/30/25 10:50	05/06/25 19:17	1
N-Nitrosodimethylamine	<10.2		10.2	0.735	ug/L		04/30/25 10:50	05/06/25 06:33	1
N-Nitrosodi-n-butylamine	<10.2		10.2	3.98	ug/L		04/30/25 10:50	05/06/25 19:17	1
N-Nitrosodi-n-propylamine	<10.2		10.2	0.939	ug/L		04/30/25 10:50	05/06/25 06:33	1
N-Nitrosodiphenylamine	<10.2		10.2	0.765	ug/L		04/30/25 10:50	05/06/25 06:33	1
N-Nitrosomethylethylamine	<10.2		10.2	5.00	ug/L		04/30/25 10:50	05/06/25 19:17	1
N-Nitrosopiperidine	<10.2		10.2	2.76	ug/L		04/30/25 10:50	05/06/25 19:17	1
N-Nitrosopyrrolidine	<10.2		10.2	3.67	ug/L		04/30/25 10:50	05/06/25 19:17	1
o,o',o''-Triethylphosphorothioate	<10.2		10.2	3.27	ug/L		04/30/25 10:50	05/06/25 19:17	1
o-Toluidine	<10.2		10.2	2.96	ug/L		04/30/25 10:50	05/06/25 19:17	1
p-Dimethylamino azobenzene	<10.2		10.2	2.24	ug/L		04/30/25 10:50	05/06/25 19:17	1
Pentachlorobenzene	<10.2		10.2	2.86	ug/L		04/30/25 10:50	05/06/25 19:17	1
Pentachloronitrobenzene	<10.2		10.2	5.92	ug/L		04/30/25 10:50	05/06/25 19:17	1
Pentachlorophenol	<10.2		10.2	9.80	ug/L		04/30/25 10:50	05/06/25 06:33	1
Phenacetin	<10.2		10.2	1.94	ug/L		04/30/25 10:50	05/06/25 19:17	1
Phenanthrene	<10.2		10.2	0.806	ug/L		04/30/25 10:50	05/06/25 06:33	1
Phenol	<10.2		10.2	1.12	ug/L		04/30/25 10:50	05/06/25 06:33	1
1,4-phenylenediamine	<10.2	*- *1	10.2	1.94	ug/L		04/30/25 10:50	05/06/25 19:17	1
Phorate	<10.2		10.2	3.27	ug/L		04/30/25 10:50	05/06/25 19:17	1
Pronamide	<10.2		10.2	2.76	ug/L		04/30/25 10:50	05/06/25 19:17	1
Pyrene	<10.2		10.2	0.806	ug/L		04/30/25 10:50	05/06/25 06:33	1
Safrole	<10.2		10.2	2.86	ug/L		04/30/25 10:50	05/06/25 19:17	1
1,2,4,5-Tetrachlorobenzene	<10.2		10.2	0.551	ug/L		04/30/25 10:50	05/06/25 06:33	1
2,3,4,6-Tetrachlorophenol	<10.2		10.2	5.41	ug/L		04/30/25 10:50	05/06/25 06:33	1
Thionazin	<10.2		10.2	3.57	ug/L		04/30/25 10:50	05/06/25 19:17	1
2,4,5-Trichlorophenol	<10.2		10.2	5.41	ug/L		04/30/25 10:50	05/06/25 06:33	1
2,4,6-Trichlorophenol	<10.2		10.2	5.10	ug/L		04/30/25 10:50	05/06/25 06:33	1
1,3,5-Trinitrobenzene	<10.2		10.2	2.35	ug/L		04/30/25 10:50	05/06/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*76*		*39 - 118*	*04/30/25 10:50*	*05/06/25 06:33*	*1*
2-Fluorophenol (Surr)	*44*		*25 - 110*	*04/30/25 10:50*	*05/06/25 06:33*	*1*
Nitrobenzene-d5 (Surr)	*75*		*45 - 129*	*04/30/25 10:50*	*05/06/25 06:33*	*1*
Phenol-d5 (Surr)	*46*		*21 - 110*	*04/30/25 10:50*	*05/06/25 06:33*	*1*
Terphenyl-d14 (Surr)	*73*		*12 - 144*	*04/30/25 10:50*	*05/06/25 06:33*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*27 - 136*	*04/30/25 10:50*	*05/06/25 06:33*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/02/25 16:39	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/02/25 16:39	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0902		0.0902	0.0226	ug/L		04/30/25 08:47	05/03/25 11:53	1
4,4'-DDE	<0.0902		0.0902	0.0271	ug/L		04/30/25 08:47	05/03/25 11:53	1
4,4'-DDT	<0.0902		0.0902	0.0180	ug/L		04/30/25 08:47	05/03/25 11:53	1
Aldrin	<0.0902		0.0902	0.0198	ug/L		04/30/25 08:47	05/03/25 11:53	1
alpha-BHC	<0.0902		0.0902	0.00902	ug/L		04/30/25 08:47	05/03/25 11:53	1
beta-BHC	<0.0902		0.0902	0.0379	ug/L		04/30/25 08:47	05/03/25 11:53	1

Client Sample ID: MW-208B
Lab Sample ID: 310-305203-3
Date Collected: 04/25/25 10:27
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.80		1.80	0.352	ug/L		04/30/25 08:47	05/03/25 11:53	1
delta-BHC	<0.0902		0.0902	0.0289	ug/L		04/30/25 08:47	05/03/25 11:53	1
Dieldrin	<0.0902		0.0902	0.0189	ug/L		04/30/25 08:47	05/03/25 11:53	1
Endosulfan I	<0.0902		0.0902	0.0253	ug/L		04/30/25 08:47	05/03/25 11:53	1
Endosulfan II	<0.0902		0.0902	0.0235	ug/L		04/30/25 08:47	05/03/25 11:53	1
Endosulfan sulfate	<0.0902		0.0902	0.0162	ug/L		04/30/25 08:47	05/03/25 11:53	1
Endrin	<0.0902		0.0902	0.0253	ug/L		04/30/25 08:47	05/03/25 11:53	1
Endrin aldehyde	<0.0902		0.0902	0.0244	ug/L		04/30/25 08:47	05/03/25 11:53	1
gamma-BHC (Lindane)	<0.0902		0.0902	0.00902	ug/L		04/30/25 08:47	05/03/25 11:53	1
Heptachlor	<0.0902		0.0902	0.0207	ug/L		04/30/25 08:47	05/03/25 11:53	1
Heptachlor epoxide	<0.0902		0.0902	0.0289	ug/L		04/30/25 08:47	05/03/25 11:53	1
Methoxychlor	<0.0902		0.0902	0.0289	ug/L		04/30/25 08:47	05/03/25 11:53	1
Toxaphene	<1.80		1.80	0.902	ug/L		04/30/25 08:47	05/03/25 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*53*		*10 - 150*	*04/30/25 08:47*	*05/03/25 11:53*	*1*
Tetrachloro-m-xylene	*57*		*17 - 150*	*04/30/25 08:47*	*05/03/25 11:53*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.80		1.80	0.740	ug/L		04/30/25 08:47	05/03/25 11:53	1
PCB-1221	<1.80		1.80	0.740	ug/L		04/30/25 08:47	05/03/25 11:53	1
PCB-1232	<1.80		1.80	0.740	ug/L		04/30/25 08:47	05/03/25 11:53	1
PCB-1242	<1.80		1.80	0.740	ug/L		04/30/25 08:47	05/03/25 11:53	1
PCB-1248	<1.80		1.80	0.622	ug/L		04/30/25 08:47	05/03/25 11:53	1
PCB-1254	<1.80		1.80	0.622	ug/L		04/30/25 08:47	05/03/25 11:53	1
PCB-1260	<1.80		1.80	0.622	ug/L		04/30/25 08:47	05/03/25 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*53*		*10 - 150*	*04/30/25 08:47*	*05/03/25 11:53*	*1*
Tetrachloro-m-xylene	*57*		*17 - 150*	*04/30/25 08:47*	*05/03/25 11:53*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.661	*- *1	0.661	0.275	ug/L		05/02/25 15:51	05/03/25 15:21	1
Silvex (2,4,5-TP)	<0.0551	*- *1	0.0551	0.0242	ug/L		05/02/25 15:51	05/03/25 15:21	1
2,4,5-T	<0.165	*- *1	0.165	0.0716	ug/L		05/02/25 15:51	05/03/25 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*61*		*34 - 142*	*05/02/25 15:51*	*05/03/25 15:21*	*1*
DCAA	*56*		*34 - 142*	*05/02/25 15:51*	*05/03/25 15:21*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 15:27	1
Arsenic	**0.000921**	**J**	0.00200	0.000530	mg/L		05/02/25 09:00	05/05/25 15:27	1
Barium	**0.0622**		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 15:27	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/05/25 15:27	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/05/25 15:27	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/05/25 15:27	1
Cobalt	**0.000268**	**J**	0.000500	0.000170	mg/L		05/02/25 09:00	05/05/25 15:27	1

Client Sample ID: MW-208B
Lab Sample ID: 310-305203-3
Date Collected: 04/25/25 10:27
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/05/25 15:27	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/05/25 15:27	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/05/25 15:27	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/05/25 15:27	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/05/25 15:27	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/05/25 15:27	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/05/25 15:27	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/05/25 15:27	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 15:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/08/25 12:33	05/09/25 13:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/01/25 11:30	05/02/25 19:18	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/01/25 13:46	1
Total Suspended Solids (USGS I-3765-85)	**2.88**		1.88	1.31	mg/L			04/30/25 17:30	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-6B
Lab Sample ID: 310-305203-4
Date Collected: 04/28/25 07:50
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/05/25 13:38	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/05/25 13:38	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/05/25 13:38	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/05/25 13:38	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/05/25 13:38	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/05/25 13:38	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/05/25 13:38	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/05/25 13:38	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/05/25 13:38	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/05/25 13:38	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/05/25 13:38	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/05/25 13:38	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/05/25 13:38	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/05/25 13:38	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/05/25 13:38	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/05/25 13:38	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/05/25 13:38	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/05/25 13:38	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/05/25 13:38	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/05/25 13:38	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/05/25 13:38	1
Acetone	<10.0		10.0	3.10	ug/L			05/05/25 13:38	1
Acrolein	<10.0		10.0	3.60	ug/L			05/05/25 13:38	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/05/25 13:38	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/05/25 13:38	1
Benzene	<0.500		0.500	0.220	ug/L			05/05/25 13:38	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/05/25 13:38	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/05/25 13:38	1
Bromoform	<5.00		5.00	0.780	ug/L			05/05/25 13:38	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/05/25 13:38	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/05/25 13:38	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/05/25 13:38	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/05/25 13:38	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/05/25 13:38	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/05/25 13:38	1
Chloroform	<3.00		3.00	1.30	ug/L			05/05/25 13:38	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/05/25 13:38	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/05/25 13:38	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/05/25 13:38	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/05/25 13:38	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/05/25 13:38	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/05/25 13:38	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/05/25 13:38	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/05/25 13:38	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/05/25 13:38	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/05/25 13:38	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/05/25 13:38	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/05/25 13:38	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/05/25 13:38	1

Client Sample ID: MW-6B
Lab Sample ID: 310-305203-4
Date Collected: 04/28/25 07:50
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/05/25 13:38	1
Styrene	<1.00		1.00	0.370	ug/L			05/05/25 13:38	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/05/25 13:38	1
Toluene	<1.00		1.00	0.430	ug/L			05/05/25 13:38	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/05/25 13:38	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/05/25 13:38	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/05/25 13:38	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/05/25 13:38	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/05/25 13:38	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/05/25 13:38	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/05/25 13:38	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/05/25 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*119*		*76 - 130*		*05/05/25 13:38*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/05/25 13:38*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/05/25 13:38*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.2		10.2	0.653	ug/L		04/30/25 10:50	05/06/25 07:04	1
Acenaphthylene	<10.2		10.2	0.735	ug/L		04/30/25 10:50	05/06/25 07:04	1
Acetophenone	<10.2		10.2	0.704	ug/L		04/30/25 10:50	05/06/25 07:04	1
2-Acetylaminofluorene	<10.2		10.2	2.76	ug/L		04/30/25 10:50	05/06/25 19:43	1
4-Aminobiphenyl	<10.2		10.2	2.24	ug/L		04/30/25 10:50	05/06/25 19:43	1
Anthracene	<10.2		10.2	0.888	ug/L		04/30/25 10:50	05/06/25 07:04	1
Benzo[a]anthracene	<10.2		10.2	0.867	ug/L		04/30/25 10:50	05/06/25 07:04	1
Benzo[a]pyrene	<10.2	*+	10.2	8.27	ug/L		04/30/25 10:50	05/06/25 07:04	1
Benzo[b]fluoranthene	<10.2		10.2	5.00	ug/L		04/30/25 10:50	05/06/25 07:04	1
Benzo[g,h,i]perylene	<10.2		10.2	6.43	ug/L		04/30/25 10:50	05/06/25 07:04	1
Benzo[k]fluoranthene	<10.2		10.2	2.24	ug/L		04/30/25 10:50	05/06/25 07:04	1
Benzyl alcohol	<10.2		10.2	1.33	ug/L		04/30/25 10:50	05/06/25 07:04	1
Bis(2-chloroethoxy)methane	<10.2		10.2	0.776	ug/L		04/30/25 10:50	05/06/25 07:04	1
Bis(2-chloroethyl)ether	<10.2		10.2	0.837	ug/L		04/30/25 10:50	05/06/25 07:04	1
bis (2-chloroisopropyl) ether	<10.2		10.2	0.551	ug/L		04/30/25 10:50	05/06/25 07:04	1
Bis(2-ethylhexyl) phthalate	<10.2		10.2	5.61	ug/L		04/30/25 10:50	05/06/25 07:04	1
4-Bromophenyl phenyl ether	<10.2		10.2	0.714	ug/L		04/30/25 10:50	05/06/25 07:04	1
Butyl benzyl phthalate	<10.2		10.2	5.51	ug/L		04/30/25 10:50	05/06/25 07:04	1
4-Chloroaniline	<10.2		10.2	0.633	ug/L		04/30/25 10:50	05/06/25 07:04	1
Chlorobenzilate	<10.2		10.2	3.67	ug/L		04/30/25 10:50	05/07/25 20:07	1
4-Chloro-3-methylphenol	<10.2		10.2	0.857	ug/L		04/30/25 10:50	05/06/25 07:04	1
2-Chloronaphthalene	<10.2		10.2	0.653	ug/L		04/30/25 10:50	05/06/25 07:04	1
2-Chlorophenol	<10.2		10.2	0.551	ug/L		04/30/25 10:50	05/06/25 07:04	1
4-Chlorophenyl phenyl ether	<10.2		10.2	0.704	ug/L		04/30/25 10:50	05/06/25 07:04	1
Chrysene	<10.2		10.2	0.888	ug/L		04/30/25 10:50	05/06/25 07:04	1
Diallate	<10.2		10.2	4.08	ug/L		04/30/25 10:50	05/06/25 19:43	1
Dibenzo(a,h)anthracene	<10.2		10.2	3.98	ug/L		04/30/25 10:50	05/06/25 07:04	1
Dibenzofuran	<10.2		10.2	0.755	ug/L		04/30/25 10:50	05/06/25 07:04	1
3,3'-Dichlorobenzidine	<10.2		10.2	1.43	ug/L		04/30/25 10:50	05/06/25 07:04	1
2,4-Dichlorophenol	<10.2		10.2	0.867	ug/L		04/30/25 10:50	05/06/25 07:04	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-6B
Lab Sample ID: 310-305203-4
Date Collected: 04/28/25 07:50
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.2		10.2	0.704	ug/L		04/30/25 10:50	05/06/25 07:04	1
Diethyl phthalate	<10.2		10.2	1.73	ug/L		04/30/25 10:50	05/06/25 07:04	1
Dimethoate	<10.2		10.2	3.67	ug/L		04/30/25 10:50	05/06/25 19:43	1
7,12-Dimethylbenz(a)anthracene	<10.2		10.2	1.94	ug/L		04/30/25 10:50	05/06/25 19:43	1
3,3'-Dimethylbenzidine	<10.2		10.2	1.53	ug/L		04/30/25 10:50	05/06/25 19:43	1
2,4-Dimethylphenol	<10.2		10.2	0.592	ug/L		04/30/25 10:50	05/06/25 07:04	1
Dimethyl phthalate	<10.2		10.2	1.02	ug/L		04/30/25 10:50	05/06/25 07:04	1
Di-n-butyl phthalate	<10.2		10.2	5.71	ug/L		04/30/25 10:50	05/06/25 07:04	1
1,3-Dinitrobenzene	<10.2		10.2	3.27	ug/L		04/30/25 10:50	05/06/25 07:04	1
4,6-Dinitro-2-methylphenol	<10.2		10.2	7.04	ug/L		04/30/25 10:50	05/06/25 07:04	1
2,4-Dinitrophenol	<20.4		20.4	13.3	ug/L		04/30/25 10:50	05/06/25 07:04	1
2,4-Dinitrotoluene	<10.2		10.2	6.53	ug/L		04/30/25 10:50	05/06/25 07:04	1
2,6-Dinitrotoluene	<10.2		10.2	0.531	ug/L		04/30/25 10:50	05/06/25 07:04	1
Di-n-octyl phthalate	<20.4		20.4	7.14	ug/L		04/30/25 10:50	05/06/25 07:04	1
Dinoseb	<10.2		10.2	2.45	ug/L		04/30/25 10:50	05/06/25 19:43	1
Diphenylamine	<10.2		10.2	6.12	ug/L		04/30/25 10:50	05/06/25 07:04	1
Disulfoton	<10.2		10.2	2.45	ug/L		04/30/25 10:50	05/06/25 19:43	1
Ethyl methanesulfonate	<10.2		10.2	3.67	ug/L		04/30/25 10:50	05/06/25 19:43	1
Ethyl Parathion	<10.2		10.2	2.24	ug/L		04/30/25 10:50	05/06/25 19:43	1
Famphur	<10.2		10.2	3.88	ug/L		04/30/25 10:50	05/09/25 14:41	1
Fluoranthene	<10.2		10.2	1.73	ug/L		04/30/25 10:50	05/06/25 07:04	1
Fluorene	<10.2		10.2	0.806	ug/L		04/30/25 10:50	05/06/25 07:04	1
Hexachlorobenzene	<10.2		10.2	0.714	ug/L		04/30/25 10:50	05/06/25 07:04	1
Hexachlorobutadiene	<10.2		10.2	0.878	ug/L		04/30/25 10:50	05/06/25 07:04	1
Hexachlorocyclopentadiene	<10.2		10.2	5.20	ug/L		04/30/25 10:50	05/06/25 07:04	1
Hexachloroethane	<10.2		10.2	0.990	ug/L		04/30/25 10:50	05/06/25 07:04	1
Hexachloropropene	<10.2		10.2	2.65	ug/L		04/30/25 10:50	05/06/25 19:43	1
Indeno[1,2,3-cd]pyrene	<10.2		10.2	4.29	ug/L		04/30/25 10:50	05/06/25 07:04	1
Isodrin	<10.2		10.2	4.80	ug/L		04/30/25 10:50	05/06/25 19:43	1
Isophorone	<10.2		10.2	0.949	ug/L		04/30/25 10:50	05/06/25 07:04	1
Isosafrole	<10.2		10.2	2.35	ug/L		04/30/25 10:50	05/06/25 19:43	1
Kepone	<10.2	*+	10.2	1.02	ug/L		04/30/25 10:50	05/06/25 19:43	1
Methapyrilene	<10.2		10.2	0.776	ug/L		04/30/25 10:50	05/06/25 19:43	1
3-Methylcholanthrene	<10.2		10.2	0.327	ug/L		04/30/25 10:50	05/06/25 19:43	1
Methyl methanesulfonate	<10.2		10.2	3.37	ug/L		04/30/25 10:50	05/06/25 19:43	1
2-Methylnaphthalene	<10.2		10.2	0.602	ug/L		04/30/25 10:50	05/06/25 07:04	1
Methyl parathion	<10.2	*+	10.2	2.35	ug/L		04/30/25 10:50	05/06/25 19:43	1
2-Methylphenol	<10.2		10.2	0.663	ug/L		04/30/25 10:50	05/06/25 07:04	1
Methylphenol, 3 & 4	<10.2		10.2	0.714	ug/L		04/30/25 10:50	05/06/25 07:04	1
1,4-Naphthoquinone	<10.2		10.2	3.67	ug/L		04/30/25 10:50	05/06/25 19:43	1
1-Naphthylamine	<10.2		10.2	2.55	ug/L		04/30/25 10:50	05/06/25 19:43	1
2-Naphthylamine	<10.2		10.2	2.14	ug/L		04/30/25 10:50	05/06/25 19:43	1
2-Nitroaniline	<10.2		10.2	6.02	ug/L		04/30/25 10:50	05/06/25 07:04	1
3-Nitroaniline	<10.2		10.2	2.76	ug/L		04/30/25 10:50	05/06/25 07:04	1
4-Nitroaniline	<10.2		10.2	1.33	ug/L		04/30/25 10:50	05/06/25 07:04	1
Nitrobenzene	<10.2		10.2	0.816	ug/L		04/30/25 10:50	05/06/25 07:04	1
5-Nitro-o-toluidine	<10.2		10.2	2.86	ug/L		04/30/25 10:50	05/06/25 19:43	1
2-Nitrophenol	<10.2		10.2	6.94	ug/L		04/30/25 10:50	05/06/25 07:04	1
4-Nitrophenol	<10.2		10.2	7.76	ug/L		04/30/25 10:50	05/06/25 07:04	1

Client Sample ID: MW-6B
Lab Sample ID: 310-305203-4
Date Collected: 04/28/25 07:50
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.2		10.2	3.47	ug/L		04/30/25 10:50	05/06/25 19:43	1
N-Nitrosodimethylamine	<10.2		10.2	0.735	ug/L		04/30/25 10:50	05/06/25 07:04	1
N-Nitrosodi-n-butylamine	<10.2		10.2	3.98	ug/L		04/30/25 10:50	05/06/25 19:43	1
N-Nitrosodi-n-propylamine	<10.2		10.2	0.939	ug/L		04/30/25 10:50	05/06/25 07:04	1
N-Nitrosodiphenylamine	<10.2		10.2	0.765	ug/L		04/30/25 10:50	05/06/25 07:04	1
N-Nitrosomethylethylamine	<10.2		10.2	5.00	ug/L		04/30/25 10:50	05/06/25 19:43	1
N-Nitrosopiperidine	<10.2		10.2	2.76	ug/L		04/30/25 10:50	05/06/25 19:43	1
N-Nitrosopyrrolidine	<10.2		10.2	3.67	ug/L		04/30/25 10:50	05/06/25 19:43	1
o,o',o''-Triethylphosphorothioate	<10.2		10.2	3.27	ug/L		04/30/25 10:50	05/06/25 19:43	1
o-Toluidine	<10.2		10.2	2.96	ug/L		04/30/25 10:50	05/06/25 19:43	1
p-Dimethylamino azobenzene	<10.2		10.2	2.24	ug/L		04/30/25 10:50	05/06/25 19:43	1
Pentachlorobenzene	<10.2		10.2	2.86	ug/L		04/30/25 10:50	05/06/25 19:43	1
Pentachloronitrobenzene	<10.2		10.2	5.92	ug/L		04/30/25 10:50	05/06/25 19:43	1
Pentachlorophenol	<10.2		10.2	9.80	ug/L		04/30/25 10:50	05/06/25 07:04	1
Phenacetin	<10.2		10.2	1.94	ug/L		04/30/25 10:50	05/06/25 19:43	1
Phenanthrene	<10.2		10.2	0.806	ug/L		04/30/25 10:50	05/06/25 07:04	1
Phenol	<10.2		10.2	1.12	ug/L		04/30/25 10:50	05/06/25 07:04	1
1,4-phenylenediamine	<10.2	*- *1	10.2	1.94	ug/L		04/30/25 10:50	05/06/25 19:43	1
Phorate	<10.2		10.2	3.27	ug/L		04/30/25 10:50	05/06/25 19:43	1
Pronamide	<10.2		10.2	2.76	ug/L		04/30/25 10:50	05/06/25 19:43	1
Pyrene	<10.2		10.2	0.806	ug/L		04/30/25 10:50	05/06/25 07:04	1
Safrole	<10.2		10.2	2.86	ug/L		04/30/25 10:50	05/06/25 19:43	1
1,2,4,5-Tetrachlorobenzene	<10.2		10.2	0.551	ug/L		04/30/25 10:50	05/06/25 07:04	1
2,3,4,6-Tetrachlorophenol	<10.2		10.2	5.41	ug/L		04/30/25 10:50	05/06/25 07:04	1
Thionazin	<10.2		10.2	3.57	ug/L		04/30/25 10:50	05/06/25 19:43	1
2,4,5-Trichlorophenol	<10.2		10.2	5.41	ug/L		04/30/25 10:50	05/06/25 07:04	1
2,4,6-Trichlorophenol	<10.2		10.2	5.10	ug/L		04/30/25 10:50	05/06/25 07:04	1
1,3,5-Trinitrobenzene	<10.2		10.2	2.35	ug/L		04/30/25 10:50	05/06/25 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*85*		*39 - 118*	*04/30/25 10:50*	*05/06/25 07:04*	*1*
2-Fluorophenol (Surr)	*61*		*25 - 110*	*04/30/25 10:50*	*05/06/25 07:04*	*1*
Nitrobenzene-d5 (Surr)	*85*		*45 - 129*	*04/30/25 10:50*	*05/06/25 07:04*	*1*
Phenol-d5 (Surr)	*53*		*21 - 110*	*04/30/25 10:50*	*05/06/25 07:04*	*1*
Terphenyl-d14 (Surr)	*84*		*12 - 144*	*04/30/25 10:50*	*05/06/25 07:04*	*1*
2,4,6-Tribromophenol (Surr)	*78*		*27 - 136*	*04/30/25 10:50*	*05/06/25 07:04*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/02/25 17:00	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/02/25 17:00	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0907		0.0907	0.0227	ug/L		05/01/25 12:27	05/05/25 13:02	1
4,4'-DDE	<0.0907		0.0907	0.0272	ug/L		05/01/25 12:27	05/05/25 13:02	1
4,4'-DDT	<0.0907		0.0907	0.0181	ug/L		05/01/25 12:27	05/05/25 13:02	1
Aldrin	<0.0907		0.0907	0.0199	ug/L		05/01/25 12:27	05/05/25 13:02	1
alpha-BHC	<0.0907		0.0907	0.00907	ug/L		05/01/25 12:27	05/05/25 13:02	1
beta-BHC	<0.0907		0.0907	0.0381	ug/L		05/01/25 12:27	05/05/25 13:02	1

Client Sample ID: MW-6B
Lab Sample ID: 310-305203-4

Date Collected: 04/28/25 07:50
Matrix: Water

Date Received: 04/29/25 16:35

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.81		1.81	0.354	ug/L		05/01/25 12:27	05/05/25 13:02	1
delta-BHC	<0.0907		0.0907	0.0290	ug/L		05/01/25 12:27	05/05/25 13:02	1
Dieldrin	<0.0907		0.0907	0.0190	ug/L		05/01/25 12:27	05/05/25 13:02	1
Endosulfan I	<0.0907		0.0907	0.0254	ug/L		05/01/25 12:27	05/05/25 13:02	1
Endosulfan II	<0.0907		0.0907	0.0236	ug/L		05/01/25 12:27	05/05/25 13:02	1
Endosulfan sulfate	<0.0907		0.0907	0.0163	ug/L		05/01/25 12:27	05/05/25 13:02	1
Endrin	<0.0907		0.0907	0.0254	ug/L		05/01/25 12:27	05/05/25 13:02	1
Endrin aldehyde	<0.0907		0.0907	0.0245	ug/L		05/01/25 12:27	05/05/25 13:02	1
gamma-BHC (Lindane)	<0.0907		0.0907	0.00907	ug/L		05/01/25 12:27	05/05/25 13:02	1
Heptachlor	<0.0907		0.0907	0.0209	ug/L		05/01/25 12:27	05/05/25 13:02	1
Heptachlor epoxide	<0.0907		0.0907	0.0290	ug/L		05/01/25 12:27	05/05/25 13:02	1
Methoxychlor	<0.0907		0.0907	0.0290	ug/L		05/01/25 12:27	05/05/25 13:02	1
Toxaphene	<1.81		1.81	0.907	ug/L		05/01/25 12:27	05/05/25 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*41*		*10 - 150*	*05/01/25 12:27*	*05/05/25 13:02*	*1*
Tetrachloro-m-xylene	*56*		*17 - 150*	*05/01/25 12:27*	*05/05/25 13:02*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.81		1.81	0.744	ug/L		05/01/25 12:27	05/05/25 13:02	1
PCB-1221	<1.81		1.81	0.744	ug/L		05/01/25 12:27	05/05/25 13:02	1
PCB-1232	<1.81		1.81	0.744	ug/L		05/01/25 12:27	05/05/25 13:02	1
PCB-1242	<1.81		1.81	0.744	ug/L		05/01/25 12:27	05/05/25 13:02	1
PCB-1248	<1.81		1.81	0.626	ug/L		05/01/25 12:27	05/05/25 13:02	1
PCB-1254	<1.81		1.81	0.626	ug/L		05/01/25 12:27	05/05/25 13:02	1
PCB-1260	<1.81		1.81	0.626	ug/L		05/01/25 12:27	05/05/25 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*41*		*10 - 150*	*05/01/25 12:27*	*05/05/25 13:02*	*1*
Tetrachloro-m-xylene	*56*		*17 - 150*	*05/01/25 12:27*	*05/05/25 13:02*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.657	*- *1	0.657	0.274	ug/L		05/02/25 15:51	05/03/25 15:49	1
Silvex (2,4,5-TP)	<0.0547	*- *1	0.0547	0.0241	ug/L		05/02/25 15:51	05/03/25 15:49	1
2,4,5-T	<0.164	*- *1	0.164	0.0711	ug/L		05/02/25 15:51	05/03/25 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*65*		*34 - 142*	*05/02/25 15:51*	*05/03/25 15:49*	*1*
DCAA	*61*		*34 - 142*	*05/02/25 15:51*	*05/03/25 15:49*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200		0.200	0.0780	mg/L			04/29/25 17:27	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 15:03	1
Arsenic	**0.0279**		0.00200	0.000530	mg/L		05/02/25 09:00	05/05/25 15:03	1
Barium	**0.467**		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 15:03	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-6B
Lab Sample ID: 310-305203-4
Date Collected: 04/28/25 07:50
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/05/25 15:03	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/05/25 15:03	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/05/25 15:03	1
Cobalt	**0.0145**		0.000500	0.000170	mg/L		05/02/25 09:00	05/05/25 15:03	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/05/25 15:03	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/05/25 15:03	1
Nickel	**0.0102**		0.00500	0.00230	mg/L		05/02/25 09:00	05/05/25 15:03	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/05/25 15:03	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/05/25 15:03	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/05/25 15:03	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/05/25 15:03	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/05/25 15:03	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 15:03	1
Iron	**28.2**		0.100	0.0500	mg/L		05/02/25 09:00	05/05/25 15:03	1
Manganese	**13.2**		0.0400	0.0144	mg/L		05/02/25 09:00	05/06/25 17:03	4

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/08/25 12:33	05/09/25 13:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/01/25 11:30	05/02/25 19:18	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/01/25 13:50	1
Sulfate (SW846 9038)	**309**		50.0	18.0	mg/L			05/07/25 11:10	10
Total Organic Carbon (SW846 9060A)	**10.0**		1.00	0.500	mg/L			05/06/25 18:29	1
Total Suspended Solids (USGS I-3765-85)	**110**		30.0	21.0	mg/L			04/30/25 18:52	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-209B
Lab Sample ID: 310-305203-5
Date Collected: 04/28/25 09:06
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/01/25 02:10	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/01/25 02:10	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/01/25 02:10	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/01/25 02:10	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/01/25 02:10	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/01/25 02:10	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/01/25 02:10	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/01/25 02:10	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/01/25 02:10	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/01/25 02:10	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/01/25 02:10	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/01/25 02:10	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/01/25 02:10	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/01/25 02:10	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/01/25 02:10	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/01/25 02:10	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/01/25 02:10	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/01/25 02:10	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/01/25 02:10	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/01/25 02:10	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/01/25 02:10	1
Acetone	**6.54**	**J**	10.0	3.10	ug/L			05/01/25 02:10	1
Acrolein	<10.0		10.0	3.60	ug/L			05/01/25 02:10	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/01/25 02:10	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/01/25 02:10	1
Benzene	**9.20**		0.500	0.220	ug/L			05/01/25 02:10	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/01/25 02:10	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/01/25 02:10	1
Bromoform	<5.00		5.00	0.780	ug/L			05/01/25 02:10	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/01/25 02:10	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/01/25 02:10	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/01/25 02:10	1
Chlorobenzene	**0.651**	**J**	1.00	0.400	ug/L			05/01/25 02:10	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/01/25 02:10	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/01/25 02:10	1
Chloroform	<3.00		3.00	1.30	ug/L			05/01/25 02:10	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/01/25 02:10	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/01/25 02:10	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/01/25 02:10	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/01/25 02:10	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/01/25 02:10	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/01/25 02:10	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/01/25 02:10	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/01/25 02:10	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/01/25 02:10	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/01/25 02:10	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/01/25 02:10	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/01/25 02:10	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/01/25 02:10	1

Client Sample ID: MW-209B
Lab Sample ID: 310-305203-5
Date Collected: 04/28/25 09:06
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/01/25 02:10	1
Styrene	<1.00		1.00	0.370	ug/L			05/01/25 02:10	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/01/25 02:10	1
Toluene	<1.00		1.00	0.430	ug/L			05/01/25 02:10	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/01/25 02:10	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/01/25 02:10	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/01/25 02:10	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/01/25 02:10	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/01/25 02:10	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/01/25 02:10	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/01/25 02:10	1
Xylenes, Total	**4.57**		3.00	0.400	ug/L			05/01/25 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*05/01/25 02:10*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/01/25 02:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/01/25 02:10*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.4		10.4	0.667	ug/L		04/30/25 10:50	05/06/25 07:34	1
Acenaphthylene	<10.4		10.4	0.750	ug/L		04/30/25 10:50	05/06/25 07:34	1
Acetophenone	<10.4		10.4	0.719	ug/L		04/30/25 10:50	05/06/25 07:34	1
2-Acetylaminofluorene	<10.4		10.4	2.81	ug/L		04/30/25 10:50	05/06/25 20:10	1
4-Aminobiphenyl	<10.4		10.4	2.29	ug/L		04/30/25 10:50	05/06/25 20:10	1
Anthracene	<10.4		10.4	0.906	ug/L		04/30/25 10:50	05/06/25 07:34	1
Benzo[a]anthracene	<10.4		10.4	0.885	ug/L		04/30/25 10:50	05/06/25 07:34	1
Benzo[a]pyrene	<10.4	*+	10.4	8.44	ug/L		04/30/25 10:50	05/06/25 07:34	1
Benzo[b]fluoranthene	<10.4		10.4	5.10	ug/L		04/30/25 10:50	05/06/25 07:34	1
Benzo[g,h,i]perylene	<10.4		10.4	6.56	ug/L		04/30/25 10:50	05/06/25 07:34	1
Benzo[k]fluoranthene	<10.4		10.4	2.29	ug/L		04/30/25 10:50	05/06/25 07:34	1
Benzyl alcohol	<10.4		10.4	1.35	ug/L		04/30/25 10:50	05/06/25 07:34	1
Bis(2-chloroethoxy)methane	<10.4		10.4	0.792	ug/L		04/30/25 10:50	05/06/25 07:34	1
Bis(2-chloroethyl)ether	<10.4		10.4	0.854	ug/L		04/30/25 10:50	05/06/25 07:34	1
bis (2-chloroisopropyl) ether	<10.4		10.4	0.563	ug/L		04/30/25 10:50	05/06/25 07:34	1
Bis(2-ethylhexyl) phthalate	<10.4		10.4	5.73	ug/L		04/30/25 10:50	05/06/25 07:34	1
4-Bromophenyl phenyl ether	<10.4		10.4	0.729	ug/L		04/30/25 10:50	05/06/25 07:34	1
Butyl benzyl phthalate	<10.4		10.4	5.63	ug/L		04/30/25 10:50	05/06/25 07:34	1
4-Chloroaniline	<10.4		10.4	0.646	ug/L		04/30/25 10:50	05/06/25 07:34	1
Chlorobenzilate	<10.4		10.4	3.75	ug/L		04/30/25 10:50	05/07/25 20:33	1
4-Chloro-3-methylphenol	<10.4		10.4	0.875	ug/L		04/30/25 10:50	05/06/25 07:34	1
2-Chloronaphthalene	<10.4		10.4	0.667	ug/L		04/30/25 10:50	05/06/25 07:34	1
2-Chlorophenol	<10.4		10.4	0.563	ug/L		04/30/25 10:50	05/06/25 07:34	1
4-Chlorophenyl phenyl ether	<10.4		10.4	0.719	ug/L		04/30/25 10:50	05/06/25 07:34	1
Chrysene	<10.4		10.4	0.906	ug/L		04/30/25 10:50	05/06/25 07:34	1
Diallate	<10.4		10.4	4.17	ug/L		04/30/25 10:50	05/06/25 20:10	1
Dibenzo(a,h)anthracene	<10.4		10.4	4.06	ug/L		04/30/25 10:50	05/06/25 07:34	1
Dibenzofuran	<10.4		10.4	0.771	ug/L		04/30/25 10:50	05/06/25 07:34	1
3,3'-Dichlorobenzidine	<10.4		10.4	1.46	ug/L		04/30/25 10:50	05/06/25 07:34	1
2,4-Dichlorophenol	<10.4		10.4	0.885	ug/L		04/30/25 10:50	05/06/25 07:34	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-209B
Lab Sample ID: 310-305203-5
Date Collected: 04/28/25 09:06
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.4		10.4	0.719	ug/L		04/30/25 10:50	05/06/25 07:34	1
Diethyl phthalate	<10.4		10.4	1.77	ug/L		04/30/25 10:50	05/06/25 07:34	1
Dimethoate	<10.4		10.4	3.75	ug/L		04/30/25 10:50	05/06/25 20:10	1
7,12-Dimethylbenz(a)anthracene	<10.4		10.4	1.98	ug/L		04/30/25 10:50	05/06/25 20:10	1
3,3'-Dimethylbenzidine	<10.4		10.4	1.56	ug/L		04/30/25 10:50	05/06/25 20:10	1
2,4-Dimethylphenol	<10.4		10.4	0.604	ug/L		04/30/25 10:50	05/06/25 07:34	1
Dimethyl phthalate	<10.4		10.4	1.04	ug/L		04/30/25 10:50	05/06/25 07:34	1
Di-n-butyl phthalate	<10.4		10.4	5.83	ug/L		04/30/25 10:50	05/06/25 07:34	1
1,3-Dinitrobenzene	<10.4		10.4	3.33	ug/L		04/30/25 10:50	05/06/25 07:34	1
4,6-Dinitro-2-methylphenol	<10.4		10.4	7.19	ug/L		04/30/25 10:50	05/06/25 07:34	1
2,4-Dinitrophenol	<20.8		20.8	13.5	ug/L		04/30/25 10:50	05/06/25 07:34	1
2,4-Dinitrotoluene	<10.4		10.4	6.67	ug/L		04/30/25 10:50	05/06/25 07:34	1
2,6-Dinitrotoluene	<10.4		10.4	0.542	ug/L		04/30/25 10:50	05/06/25 07:34	1
Di-n-octyl phthalate	<20.8		20.8	7.29	ug/L		04/30/25 10:50	05/06/25 07:34	1
Dinoseb	<10.4		10.4	2.50	ug/L		04/30/25 10:50	05/06/25 20:10	1
Diphenylamine	<10.4		10.4	6.25	ug/L		04/30/25 10:50	05/06/25 07:34	1
Disulfoton	<10.4		10.4	2.50	ug/L		04/30/25 10:50	05/06/25 20:10	1
Ethyl methanesulfonate	<10.4		10.4	3.75	ug/L		04/30/25 10:50	05/06/25 20:10	1
Ethyl Parathion	<10.4		10.4	2.29	ug/L		04/30/25 10:50	05/06/25 20:10	1
Famphur	<10.4		10.4	3.96	ug/L		04/30/25 10:50	05/09/25 15:01	1
Fluoranthene	<10.4		10.4	1.77	ug/L		04/30/25 10:50	05/06/25 07:34	1
Fluorene	<10.4		10.4	0.823	ug/L		04/30/25 10:50	05/06/25 07:34	1
Hexachlorobenzene	<10.4		10.4	0.729	ug/L		04/30/25 10:50	05/06/25 07:34	1
Hexachlorobutadiene	<10.4		10.4	0.896	ug/L		04/30/25 10:50	05/06/25 07:34	1
Hexachlorocyclopentadiene	<10.4		10.4	5.31	ug/L		04/30/25 10:50	05/06/25 07:34	1
Hexachloroethane	<10.4		10.4	1.01	ug/L		04/30/25 10:50	05/06/25 07:34	1
Hexachloropropene	<10.4		10.4	2.71	ug/L		04/30/25 10:50	05/06/25 20:10	1
Indeno[1,2,3-cd]pyrene	<10.4		10.4	4.38	ug/L		04/30/25 10:50	05/06/25 07:34	1
Isodrin	<10.4		10.4	4.90	ug/L		04/30/25 10:50	05/06/25 20:10	1
Isophorone	<10.4		10.4	0.969	ug/L		04/30/25 10:50	05/06/25 07:34	1
Isosafrole	<10.4		10.4	2.40	ug/L		04/30/25 10:50	05/06/25 20:10	1
Kepone	<10.4	*+	10.4	1.04	ug/L		04/30/25 10:50	05/06/25 20:10	1
Methapyrilene	<10.4		10.4	0.792	ug/L		04/30/25 10:50	05/06/25 20:10	1
3-Methylcholanthrene	<10.4		10.4	0.333	ug/L		04/30/25 10:50	05/06/25 20:10	1
Methyl methanesulfonate	<10.4		10.4	3.44	ug/L		04/30/25 10:50	05/06/25 20:10	1
2-Methylnaphthalene	<10.4		10.4	0.615	ug/L		04/30/25 10:50	05/06/25 07:34	1
Methyl parathion	<10.4	*+	10.4	2.40	ug/L		04/30/25 10:50	05/06/25 20:10	1
2-Methylphenol	<10.4		10.4	0.677	ug/L		04/30/25 10:50	05/06/25 07:34	1
Methylphenol, 3 & 4	<10.4		10.4	0.729	ug/L		04/30/25 10:50	05/06/25 07:34	1
1,4-Naphthoquinone	<10.4		10.4	3.75	ug/L		04/30/25 10:50	05/06/25 20:10	1
1-Naphthylamine	<10.4		10.4	2.60	ug/L		04/30/25 10:50	05/06/25 20:10	1
2-Naphthylamine	<10.4		10.4	2.19	ug/L		04/30/25 10:50	05/06/25 20:10	1
2-Nitroaniline	<10.4		10.4	6.15	ug/L		04/30/25 10:50	05/06/25 07:34	1
3-Nitroaniline	<10.4		10.4	2.81	ug/L		04/30/25 10:50	05/06/25 07:34	1
4-Nitroaniline	<10.4		10.4	1.35	ug/L		04/30/25 10:50	05/06/25 07:34	1
Nitrobenzene	<10.4		10.4	0.833	ug/L		04/30/25 10:50	05/06/25 07:34	1
5-Nitro-o-toluidine	<10.4		10.4	2.92	ug/L		04/30/25 10:50	05/06/25 20:10	1
2-Nitrophenol	<10.4		10.4	7.08	ug/L		04/30/25 10:50	05/06/25 07:34	1
4-Nitrophenol	<10.4		10.4	7.92	ug/L		04/30/25 10:50	05/06/25 07:34	1

Client Sample ID: MW-209B
Lab Sample ID: 310-305203-5
Date Collected: 04/28/25 09:06
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.4		10.4	3.54	ug/L		04/30/25 10:50	05/06/25 20:10	1
N-Nitrosodimethylamine	<10.4		10.4	0.750	ug/L		04/30/25 10:50	05/06/25 07:34	1
N-Nitrosodi-n-butylamine	<10.4		10.4	4.06	ug/L		04/30/25 10:50	05/06/25 20:10	1
N-Nitrosodi-n-propylamine	<10.4		10.4	0.958	ug/L		04/30/25 10:50	05/06/25 07:34	1
N-Nitrosodiphenylamine	<10.4		10.4	0.781	ug/L		04/30/25 10:50	05/06/25 07:34	1
N-Nitrosomethylethylamine	<10.4		10.4	5.10	ug/L		04/30/25 10:50	05/06/25 20:10	1
N-Nitrosopiperidine	<10.4		10.4	2.81	ug/L		04/30/25 10:50	05/06/25 20:10	1
N-Nitrosopyrrolidine	<10.4		10.4	3.75	ug/L		04/30/25 10:50	05/06/25 20:10	1
o,o',o''-Triethylphosphorothioate	<10.4		10.4	3.33	ug/L		04/30/25 10:50	05/06/25 20:10	1
o-Toluidine	<10.4		10.4	3.02	ug/L		04/30/25 10:50	05/06/25 20:10	1
p-Dimethylamino azobenzene	<10.4		10.4	2.29	ug/L		04/30/25 10:50	05/06/25 20:10	1
Pentachlorobenzene	<10.4		10.4	2.92	ug/L		04/30/25 10:50	05/06/25 20:10	1
Pentachloronitrobenzene	<10.4		10.4	6.04	ug/L		04/30/25 10:50	05/06/25 20:10	1
Pentachlorophenol	<10.4		10.4	10.0	ug/L		04/30/25 10:50	05/06/25 07:34	1
Phenacetin	<10.4		10.4	1.98	ug/L		04/30/25 10:50	05/06/25 20:10	1
Phenanthrene	<10.4		10.4	0.823	ug/L		04/30/25 10:50	05/06/25 07:34	1
Phenol	<10.4		10.4	1.15	ug/L		04/30/25 10:50	05/06/25 07:34	1
1,4-phenylenediamine	<10.4	*- *1	10.4	1.98	ug/L		04/30/25 10:50	05/06/25 20:10	1
Phorate	<10.4		10.4	3.33	ug/L		04/30/25 10:50	05/06/25 20:10	1
Pronamide	<10.4		10.4	2.81	ug/L		04/30/25 10:50	05/06/25 20:10	1
Pyrene	<10.4		10.4	0.823	ug/L		04/30/25 10:50	05/06/25 07:34	1
Safrole	<10.4		10.4	2.92	ug/L		04/30/25 10:50	05/06/25 20:10	1
1,2,4,5-Tetrachlorobenzene	<10.4		10.4	0.563	ug/L		04/30/25 10:50	05/06/25 07:34	1
2,3,4,6-Tetrachlorophenol	<10.4		10.4	5.52	ug/L		04/30/25 10:50	05/06/25 07:34	1
Thionazin	<10.4		10.4	3.65	ug/L		04/30/25 10:50	05/06/25 20:10	1
2,4,5-Trichlorophenol	<10.4		10.4	5.52	ug/L		04/30/25 10:50	05/06/25 07:34	1
2,4,6-Trichlorophenol	<10.4		10.4	5.21	ug/L		04/30/25 10:50	05/06/25 07:34	1
1,3,5-Trinitrobenzene	<10.4		10.4	2.40	ug/L		04/30/25 10:50	05/06/25 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*39 - 118*	*04/30/25 10:50*	*05/06/25 07:34*	*1*
2-Fluorophenol (Surr)	*45*		*25 - 110*	*04/30/25 10:50*	*05/06/25 07:34*	*1*
Nitrobenzene-d5 (Surr)	*69*		*45 - 129*	*04/30/25 10:50*	*05/06/25 07:34*	*1*
Phenol-d5 (Surr)	*50*		*21 - 110*	*04/30/25 10:50*	*05/06/25 07:34*	*1*
Terphenyl-d14 (Surr)	*72*		*12 - 144*	*04/30/25 10:50*	*05/06/25 07:34*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*27 - 136*	*04/30/25 10:50*	*05/06/25 07:34*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/02/25 17:21	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/02/25 17:21	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0907		0.0907	0.0227	ug/L		05/01/25 12:27	05/03/25 20:26	1
4,4'-DDE	<0.0907		0.0907	0.0272	ug/L		05/01/25 12:27	05/03/25 20:26	1
4,4'-DDT	<0.0907		0.0907	0.0181	ug/L		05/01/25 12:27	05/03/25 20:26	1
Aldrin	<0.0907		0.0907	0.0199	ug/L		05/01/25 12:27	05/03/25 20:26	1
alpha-BHC	<0.0907		0.0907	0.00907	ug/L		05/01/25 12:27	05/03/25 20:26	1
beta-BHC	<0.0907		0.0907	0.0381	ug/L		05/01/25 12:27	05/03/25 20:26	1

Client Sample ID: MW-209B
Lab Sample ID: 310-305203-5
Date Collected: 04/28/25 09:06
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.81		1.81	0.354	ug/L		05/01/25 12:27	05/03/25 20:26	1
delta-BHC	<0.0907		0.0907	0.0290	ug/L		05/01/25 12:27	05/03/25 20:26	1
Dieldrin	<0.0907		0.0907	0.0190	ug/L		05/01/25 12:27	05/03/25 20:26	1
Endosulfan I	<0.0907		0.0907	0.0254	ug/L		05/01/25 12:27	05/03/25 20:26	1
Endosulfan II	<0.0907		0.0907	0.0236	ug/L		05/01/25 12:27	05/03/25 20:26	1
Endosulfan sulfate	<0.0907		0.0907	0.0163	ug/L		05/01/25 12:27	05/03/25 20:26	1
Endrin	<0.0907		0.0907	0.0254	ug/L		05/01/25 12:27	05/03/25 20:26	1
Endrin aldehyde	<0.0907		0.0907	0.0245	ug/L		05/01/25 12:27	05/03/25 20:26	1
gamma-BHC (Lindane)	<0.0907		0.0907	0.00907	ug/L		05/01/25 12:27	05/03/25 20:26	1
Heptachlor	<0.0907		0.0907	0.0209	ug/L		05/01/25 12:27	05/03/25 20:26	1
Heptachlor epoxide	<0.0907		0.0907	0.0290	ug/L		05/01/25 12:27	05/03/25 20:26	1
Methoxychlor	<0.0907		0.0907	0.0290	ug/L		05/01/25 12:27	05/03/25 20:26	1
Toxaphene	<1.81		1.81	0.907	ug/L		05/01/25 12:27	05/03/25 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*17*		*10 - 150*	*05/01/25 12:27*	*05/03/25 20:26*	*1*
Tetrachloro-m-xylene	*27*		*17 - 150*	*05/01/25 12:27*	*05/03/25 20:26*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.81		1.81	0.744	ug/L		05/01/25 12:27	05/03/25 20:26	1
PCB-1221	<1.81		1.81	0.744	ug/L		05/01/25 12:27	05/03/25 20:26	1
PCB-1232	<1.81		1.81	0.744	ug/L		05/01/25 12:27	05/03/25 20:26	1
PCB-1242	<1.81		1.81	0.744	ug/L		05/01/25 12:27	05/03/25 20:26	1
PCB-1248	<1.81		1.81	0.626	ug/L		05/01/25 12:27	05/03/25 20:26	1
PCB-1254	<1.81		1.81	0.626	ug/L		05/01/25 12:27	05/03/25 20:26	1
PCB-1260	<1.81		1.81	0.626	ug/L		05/01/25 12:27	05/03/25 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*17*		*10 - 150*	*05/01/25 12:27*	*05/03/25 20:26*	*1*
Tetrachloro-m-xylene	*27*		*17 - 150*	*05/01/25 12:27*	*05/03/25 20:26*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.696	*- *1	0.696	0.290	ug/L		05/02/25 15:51	05/03/25 16:18	1
Silvex (2,4,5-TP)	**0.800**	***- *1**	0.0580	0.0255	ug/L		05/02/25 15:51	05/03/25 16:18	1
2,4,5-T	<0.174	*- *1	0.174	0.0754	ug/L		05/02/25 15:51	05/03/25 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*55*		*34 - 142*	*05/02/25 15:51*	*05/03/25 16:18*	*1*
DCAA	*65*		*34 - 142*	*05/02/25 15:51*	*05/03/25 16:18*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.759**		0.200	0.0780	mg/L			04/29/25 17:43	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/09/25 17:27	1
Arsenic	**0.0295**		0.00200	0.000530	mg/L		05/02/25 09:00	05/09/25 17:27	1
Barium	**0.686**		0.00200	0.000660	mg/L		05/02/25 09:00	05/09/25 17:27	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-209B
Lab Sample ID: 310-305203-5
Date Collected: 04/28/25 09:06
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/09/25 17:27	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/09/25 17:27	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/09/25 17:27	1
Cobalt	**0.00218**		0.000500	0.000170	mg/L		05/02/25 09:00	05/09/25 17:27	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/09/25 17:27	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/09/25 17:27	1
Nickel	**0.0601**		0.00500	0.00230	mg/L		05/02/25 09:00	05/10/25 15:27	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/09/25 17:27	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/09/25 17:27	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/09/25 17:27	1
Vanadium	**0.00319**	**J**	0.00500	0.00170	mg/L		05/02/25 09:00	05/09/25 17:27	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/09/25 17:27	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/09/25 17:27	1
Iron	**60.1**		0.100	0.0500	mg/L		05/02/25 09:00	05/09/25 17:27	1
Manganese	**4.45**		0.0100	0.00360	mg/L		05/02/25 09:00	05/09/25 17:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/08/25 12:33	05/09/25 13:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/01/25 11:30	05/02/25 19:19	1
Sulfide (SW846 9034)	**1.04**		1.00	0.231	mg/L			05/01/25 13:54	1
Sulfate (SW846 9038)	**11.6**		5.00	1.80	mg/L			05/07/25 11:12	1
Total Organic Carbon (SW846 9060A)	**19.1**		1.00	0.500	mg/L			05/06/25 19:41	1
Total Suspended Solids (USGS I-3765-85)	**168**		60.0	42.0	mg/L			04/30/25 18:52	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-211B
Lab Sample ID: 310-305203-6
Date Collected: 04/28/25 10:10
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/01/25 02:33	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/01/25 02:33	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/01/25 02:33	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/01/25 02:33	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/01/25 02:33	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/01/25 02:33	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/01/25 02:33	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/01/25 02:33	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/01/25 02:33	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/01/25 02:33	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/01/25 02:33	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/01/25 02:33	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/01/25 02:33	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/01/25 02:33	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/01/25 02:33	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/01/25 02:33	1
Acetone	<10.0		10.0	3.10	ug/L			05/01/25 02:33	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/01/25 02:33	1
Benzene	<0.500		0.500	0.220	ug/L			05/01/25 02:33	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/01/25 02:33	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/01/25 02:33	1
Bromoform	<5.00		5.00	0.780	ug/L			05/01/25 02:33	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/01/25 02:33	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/01/25 02:33	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/01/25 02:33	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/01/25 02:33	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/01/25 02:33	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/01/25 02:33	1
Chloroform	<3.00		3.00	1.30	ug/L			05/01/25 02:33	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/01/25 02:33	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/01/25 02:33	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/01/25 02:33	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/01/25 02:33	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/01/25 02:33	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/01/25 02:33	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/01/25 02:33	1
Styrene	<1.00		1.00	0.370	ug/L			05/01/25 02:33	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/01/25 02:33	1
Toluene	<1.00		1.00	0.430	ug/L			05/01/25 02:33	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/01/25 02:33	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/01/25 02:33	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/01/25 02:33	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/01/25 02:33	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/01/25 02:33	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/01/25 02:33	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/01/25 02:33	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/01/25 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*117*		*76 - 130*		*05/01/25 02:33*	*1*

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-211B
Lab Sample ID: 310-305203-6
Date Collected: 04/28/25 10:10
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/01/25 02:33*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/01/25 02:33*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200		0.200	0.0780	mg/L			04/29/25 17:58	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0100		0.0100	0.00500	mg/L		05/02/25 09:00	05/05/25 15:29	1
Arsenic	**0.139**		0.0100	0.00265	mg/L		05/02/25 09:00	05/05/25 15:29	1
Barium	**2.72**		0.0100	0.00330	mg/L		05/02/25 09:00	05/05/25 15:29	1
Beryllium	<0.00500		0.00500	0.00165	mg/L		05/02/25 09:00	05/05/25 15:29	1
Cadmium	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/05/25 15:29	1
Chromium	<0.0250		0.0250	0.00900	mg/L		05/02/25 09:00	05/05/25 15:29	1
Cobalt	**0.223**		0.00250	0.000850	mg/L		05/02/25 09:00	05/05/25 15:29	1
Copper	<0.0250		0.0250	0.0160	mg/L		05/02/25 09:00	05/05/25 15:29	1
Lead	<0.00250		0.00250	0.00165	mg/L		05/02/25 09:00	05/05/25 15:29	1
Nickel	**0.195**		0.0250	0.0115	mg/L		05/02/25 09:00	05/05/25 15:29	1
Selenium	<0.0250		0.0250	0.00700	mg/L		05/02/25 09:00	05/05/25 15:29	1
Silver	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 15:29	1
Thallium	<0.00500		0.00500	0.00285	mg/L		05/02/25 09:00	05/05/25 15:29	1
Vanadium	<0.0250		0.0250	0.00850	mg/L		05/02/25 09:00	05/05/25 15:29	1
Zinc	<0.100		0.100	0.0650	mg/L		05/02/25 09:00	05/05/25 15:29	1
Iron	**207**		0.500	0.250	mg/L		05/02/25 09:00	05/05/25 15:29	1
Manganese	**43.4**		0.0500	0.0180	mg/L		05/02/25 09:00	05/05/25 15:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (SW846 9038)	**22.2**		5.00	1.80	mg/L			05/07/25 11:12	1
Total Organic Carbon (SW846 9060A)	**7.34**		1.00	0.500	mg/L			05/01/25 06:34	1
Total Suspended Solids (USGS I-3765-85)	**60.0**		15.0	10.5	mg/L			04/30/25 18:52	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-212A
Lab Sample ID: 310-305203-7
Date Collected: 04/28/25 12:43
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/01/25 03:18	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/01/25 03:18	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/01/25 03:18	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/01/25 03:18	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/01/25 03:18	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/01/25 03:18	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/01/25 03:18	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/01/25 03:18	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/01/25 03:18	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/01/25 03:18	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/01/25 03:18	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/01/25 03:18	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/01/25 03:18	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/01/25 03:18	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/01/25 03:18	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/01/25 03:18	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/01/25 03:18	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/01/25 03:18	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/01/25 03:18	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/01/25 03:18	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/01/25 03:18	1
Acetone	<10.0		10.0	3.10	ug/L			05/01/25 03:18	1
Acrolein	<10.0		10.0	3.60	ug/L			05/01/25 03:18	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/01/25 03:18	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/01/25 03:18	1
Benzene	<0.500		0.500	0.220	ug/L			05/01/25 03:18	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/01/25 03:18	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/01/25 03:18	1
Bromoform	<5.00		5.00	0.780	ug/L			05/01/25 03:18	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/01/25 03:18	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/01/25 03:18	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/01/25 03:18	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/01/25 03:18	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/01/25 03:18	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/01/25 03:18	1
Chloroform	<3.00		3.00	1.30	ug/L			05/01/25 03:18	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/01/25 03:18	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/01/25 03:18	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/01/25 03:18	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/01/25 03:18	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/01/25 03:18	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/01/25 03:18	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/01/25 03:18	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/01/25 03:18	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/01/25 03:18	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/01/25 03:18	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/01/25 03:18	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/01/25 03:18	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/01/25 03:18	1

Client Sample ID: MW-212A
Lab Sample ID: 310-305203-7
Date Collected: 04/28/25 12:43
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/01/25 03:18	1
Styrene	<1.00		1.00	0.370	ug/L			05/01/25 03:18	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/01/25 03:18	1
Toluene	<1.00		1.00	0.430	ug/L			05/01/25 03:18	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/01/25 03:18	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/01/25 03:18	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/01/25 03:18	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/01/25 03:18	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/01/25 03:18	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/01/25 03:18	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/01/25 03:18	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/01/25 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*05/01/25 03:18*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*05/01/25 03:18*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*05/01/25 03:18*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.6		10.6	0.681	ug/L		04/30/25 10:50	05/06/25 08:04	1
Acenaphthylene	<10.6		10.6	0.766	ug/L		04/30/25 10:50	05/06/25 08:04	1
Acetophenone	<10.6		10.6	0.734	ug/L		04/30/25 10:50	05/06/25 08:04	1
2-Acetylaminofluorene	<10.6		10.6	2.87	ug/L		04/30/25 10:50	05/06/25 20:36	1
4-Aminobiphenyl	<10.6		10.6	2.34	ug/L		04/30/25 10:50	05/06/25 20:36	1
Anthracene	<10.6		10.6	0.926	ug/L		04/30/25 10:50	05/06/25 08:04	1
Benzo[a]anthracene	<10.6		10.6	0.904	ug/L		04/30/25 10:50	05/06/25 08:04	1
Benzo[a]pyrene	<10.6	*+	10.6	8.62	ug/L		04/30/25 10:50	05/06/25 08:04	1
Benzo[b]fluoranthene	<10.6		10.6	5.21	ug/L		04/30/25 10:50	05/06/25 08:04	1
Benzo[g,h,i]perylene	<10.6		10.6	6.70	ug/L		04/30/25 10:50	05/06/25 08:04	1
Benzo[k]fluoranthene	<10.6		10.6	2.34	ug/L		04/30/25 10:50	05/06/25 08:04	1
Benzyl alcohol	<10.6		10.6	1.38	ug/L		04/30/25 10:50	05/06/25 08:04	1
Bis(2-chloroethoxy)methane	<10.6		10.6	0.809	ug/L		04/30/25 10:50	05/06/25 08:04	1
Bis(2-chloroethyl)ether	<10.6		10.6	0.872	ug/L		04/30/25 10:50	05/06/25 08:04	1
bis (2-chloroisopropyl) ether	<10.6		10.6	0.574	ug/L		04/30/25 10:50	05/06/25 08:04	1
Bis(2-ethylhexyl) phthalate	<10.6		10.6	5.85	ug/L		04/30/25 10:50	05/06/25 08:04	1
4-Bromophenyl phenyl ether	<10.6		10.6	0.745	ug/L		04/30/25 10:50	05/06/25 08:04	1
Butyl benzyl phthalate	<10.6		10.6	5.74	ug/L		04/30/25 10:50	05/06/25 08:04	1
4-Chloroaniline	<10.6		10.6	0.660	ug/L		04/30/25 10:50	05/06/25 08:04	1
Chlorobenzilate	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/07/25 20:59	1
4-Chloro-3-methylphenol	<10.6		10.6	0.894	ug/L		04/30/25 10:50	05/06/25 08:04	1
2-Chloronaphthalene	<10.6		10.6	0.681	ug/L		04/30/25 10:50	05/06/25 08:04	1
2-Chlorophenol	<10.6		10.6	0.574	ug/L		04/30/25 10:50	05/06/25 08:04	1
4-Chlorophenyl phenyl ether	<10.6		10.6	0.734	ug/L		04/30/25 10:50	05/06/25 08:04	1
Chrysene	<10.6		10.6	0.926	ug/L		04/30/25 10:50	05/06/25 08:04	1
Diallate	<10.6		10.6	4.26	ug/L		04/30/25 10:50	05/06/25 20:36	1
Dibenzo(a,h)anthracene	<10.6		10.6	4.15	ug/L		04/30/25 10:50	05/06/25 08:04	1
Dibenzofuran	<10.6		10.6	0.787	ug/L		04/30/25 10:50	05/06/25 08:04	1
3,3'-Dichlorobenzidine	<10.6		10.6	1.49	ug/L		04/30/25 10:50	05/06/25 08:04	1
2,4-Dichlorophenol	<10.6		10.6	0.904	ug/L		04/30/25 10:50	05/06/25 08:04	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-212A
Lab Sample ID: 310-305203-7
Date Collected: 04/28/25 12:43
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.6		10.6	0.734	ug/L		04/30/25 10:50	05/06/25 08:04	1
Diethyl phthalate	<10.6		10.6	1.81	ug/L		04/30/25 10:50	05/06/25 08:04	1
Dimethoate	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/06/25 20:36	1
7,12-Dimethylbenz(a)anthracene	<10.6		10.6	2.02	ug/L		04/30/25 10:50	05/06/25 20:36	1
3,3'-Dimethylbenzidine	<10.6		10.6	1.60	ug/L		04/30/25 10:50	05/06/25 20:36	1
2,4-Dimethylphenol	<10.6		10.6	0.617	ug/L		04/30/25 10:50	05/06/25 08:04	1
Dimethyl phthalate	<10.6		10.6	1.06	ug/L		04/30/25 10:50	05/06/25 08:04	1
Di-n-butyl phthalate	<10.6		10.6	5.96	ug/L		04/30/25 10:50	05/06/25 08:04	1
1,3-Dinitrobenzene	<10.6		10.6	3.40	ug/L		04/30/25 10:50	05/06/25 08:04	1
4,6-Dinitro-2-methylphenol	<10.6		10.6	7.34	ug/L		04/30/25 10:50	05/06/25 08:04	1
2,4-Dinitrophenol	<21.3		21.3	13.8	ug/L		04/30/25 10:50	05/06/25 08:04	1
2,4-Dinitrotoluene	<10.6		10.6	6.81	ug/L		04/30/25 10:50	05/06/25 08:04	1
2,6-Dinitrotoluene	<10.6		10.6	0.553	ug/L		04/30/25 10:50	05/06/25 08:04	1
Di-n-octyl phthalate	<21.3		21.3	7.45	ug/L		04/30/25 10:50	05/06/25 08:04	1
Dinoseb	<10.6		10.6	2.55	ug/L		04/30/25 10:50	05/06/25 20:36	1
Diphenylamine	<10.6		10.6	6.38	ug/L		04/30/25 10:50	05/06/25 08:04	1
Disulfoton	<10.6		10.6	2.55	ug/L		04/30/25 10:50	05/06/25 20:36	1
Ethyl methanesulfonate	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/06/25 20:36	1
Ethyl Parathion	<10.6		10.6	2.34	ug/L		04/30/25 10:50	05/06/25 20:36	1
Famphur	<10.6		10.6	4.04	ug/L		04/30/25 10:50	05/09/25 15:20	1
Fluoranthene	<10.6		10.6	1.81	ug/L		04/30/25 10:50	05/06/25 08:04	1
Fluorene	<10.6		10.6	0.840	ug/L		04/30/25 10:50	05/06/25 08:04	1
Hexachlorobenzene	<10.6		10.6	0.745	ug/L		04/30/25 10:50	05/06/25 08:04	1
Hexachlorobutadiene	<10.6		10.6	0.915	ug/L		04/30/25 10:50	05/06/25 08:04	1
Hexachlorocyclopentadiene	<10.6		10.6	5.43	ug/L		04/30/25 10:50	05/06/25 08:04	1
Hexachloroethane	<10.6		10.6	1.03	ug/L		04/30/25 10:50	05/06/25 08:04	1
Hexachloropropene	<10.6		10.6	2.77	ug/L		04/30/25 10:50	05/06/25 20:36	1
Indeno[1,2,3-cd]pyrene	<10.6		10.6	4.47	ug/L		04/30/25 10:50	05/06/25 08:04	1
Isodrin	<10.6		10.6	5.00	ug/L		04/30/25 10:50	05/06/25 20:36	1
Isophorone	<10.6		10.6	0.989	ug/L		04/30/25 10:50	05/06/25 08:04	1
Isosafrole	<10.6		10.6	2.45	ug/L		04/30/25 10:50	05/06/25 20:36	1
Kepone	<10.6	*+	10.6	1.06	ug/L		04/30/25 10:50	05/06/25 20:36	1
Methapyrilene	<10.6		10.6	0.809	ug/L		04/30/25 10:50	05/06/25 20:36	1
3-Methylcholanthrene	<10.6		10.6	0.340	ug/L		04/30/25 10:50	05/06/25 20:36	1
Methyl methanesulfonate	<10.6		10.6	3.51	ug/L		04/30/25 10:50	05/06/25 20:36	1
2-Methylnaphthalene	<10.6		10.6	0.628	ug/L		04/30/25 10:50	05/06/25 08:04	1
Methyl parathion	<10.6	*+	10.6	2.45	ug/L		04/30/25 10:50	05/06/25 20:36	1
2-Methylphenol	<10.6		10.6	0.691	ug/L		04/30/25 10:50	05/06/25 08:04	1
Methylphenol, 3 & 4	<10.6		10.6	0.745	ug/L		04/30/25 10:50	05/06/25 08:04	1
1,4-Naphthoquinone	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/06/25 20:36	1
1-Naphthylamine	<10.6		10.6	2.66	ug/L		04/30/25 10:50	05/06/25 20:36	1
2-Naphthylamine	<10.6		10.6	2.23	ug/L		04/30/25 10:50	05/06/25 20:36	1
2-Nitroaniline	<10.6		10.6	6.28	ug/L		04/30/25 10:50	05/06/25 08:04	1
3-Nitroaniline	<10.6		10.6	2.87	ug/L		04/30/25 10:50	05/06/25 08:04	1
4-Nitroaniline	<10.6		10.6	1.38	ug/L		04/30/25 10:50	05/06/25 08:04	1
Nitrobenzene	<10.6		10.6	0.851	ug/L		04/30/25 10:50	05/06/25 08:04	1
5-Nitro-o-toluidine	<10.6		10.6	2.98	ug/L		04/30/25 10:50	05/06/25 20:36	1
2-Nitrophenol	<10.6		10.6	7.23	ug/L		04/30/25 10:50	05/06/25 08:04	1
4-Nitrophenol	<10.6		10.6	8.09	ug/L		04/30/25 10:50	05/06/25 08:04	1

Client Sample ID: MW-212A
Lab Sample ID: 310-305203-7
Date Collected: 04/28/25 12:43
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.6		10.6	3.62	ug/L		04/30/25 10:50	05/06/25 20:36	1
N-Nitrosodimethylamine	<10.6		10.6	0.766	ug/L		04/30/25 10:50	05/06/25 08:04	1
N-Nitrosodi-n-butylamine	<10.6		10.6	4.15	ug/L		04/30/25 10:50	05/06/25 20:36	1
N-Nitrosodi-n-propylamine	<10.6		10.6	0.979	ug/L		04/30/25 10:50	05/06/25 08:04	1
N-Nitrosodiphenylamine	<10.6		10.6	0.798	ug/L		04/30/25 10:50	05/06/25 08:04	1
N-Nitrosomethylethylamine	<10.6		10.6	5.21	ug/L		04/30/25 10:50	05/06/25 20:36	1
N-Nitrosopiperidine	<10.6		10.6	2.87	ug/L		04/30/25 10:50	05/06/25 20:36	1
N-Nitrosopyrrolidine	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/06/25 20:36	1
o,o',o''-Triethylphosphorothioate	<10.6		10.6	3.40	ug/L		04/30/25 10:50	05/06/25 20:36	1
o-Toluidine	<10.6		10.6	3.09	ug/L		04/30/25 10:50	05/06/25 20:36	1
p-Dimethylamino azobenzene	<10.6		10.6	2.34	ug/L		04/30/25 10:50	05/06/25 20:36	1
Pentachlorobenzene	<10.6		10.6	2.98	ug/L		04/30/25 10:50	05/06/25 20:36	1
Pentachloronitrobenzene	<10.6		10.6	6.17	ug/L		04/30/25 10:50	05/06/25 20:36	1
Pentachlorophenol	<10.6		10.6	10.2	ug/L		04/30/25 10:50	05/06/25 08:04	1
Phenacetin	<10.6		10.6	2.02	ug/L		04/30/25 10:50	05/06/25 20:36	1
Phenanthrene	<10.6		10.6	0.840	ug/L		04/30/25 10:50	05/06/25 08:04	1
Phenol	<10.6		10.6	1.17	ug/L		04/30/25 10:50	05/06/25 08:04	1
1,4-phenylenediamine	<10.6	*- *1	10.6	2.02	ug/L		04/30/25 10:50	05/06/25 20:36	1
Phorate	<10.6		10.6	3.40	ug/L		04/30/25 10:50	05/06/25 20:36	1
Pronamide	<10.6		10.6	2.87	ug/L		04/30/25 10:50	05/06/25 20:36	1
Pyrene	<10.6		10.6	0.840	ug/L		04/30/25 10:50	05/06/25 08:04	1
Safrole	<10.6		10.6	2.98	ug/L		04/30/25 10:50	05/06/25 20:36	1
1,2,4,5-Tetrachlorobenzene	<10.6		10.6	0.574	ug/L		04/30/25 10:50	05/06/25 08:04	1
2,3,4,6-Tetrachlorophenol	<10.6		10.6	5.64	ug/L		04/30/25 10:50	05/06/25 08:04	1
Thionazin	<10.6		10.6	3.72	ug/L		04/30/25 10:50	05/06/25 20:36	1
2,4,5-Trichlorophenol	<10.6		10.6	5.64	ug/L		04/30/25 10:50	05/06/25 08:04	1
2,4,6-Trichlorophenol	<10.6		10.6	5.32	ug/L		04/30/25 10:50	05/06/25 08:04	1
1,3,5-Trinitrobenzene	<10.6		10.6	2.45	ug/L		04/30/25 10:50	05/06/25 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*68*		*39 - 118*	*04/30/25 10:50*	*05/06/25 08:04*	*1*
2-Fluorophenol (Surr)	*49*		*25 - 110*	*04/30/25 10:50*	*05/06/25 08:04*	*1*
Nitrobenzene-d5 (Surr)	*68*		*45 - 129*	*04/30/25 10:50*	*05/06/25 08:04*	*1*
Phenol-d5 (Surr)	*46*		*21 - 110*	*04/30/25 10:50*	*05/06/25 08:04*	*1*
Terphenyl-d14 (Surr)	*67*		*12 - 144*	*04/30/25 10:50*	*05/06/25 08:04*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*27 - 136*	*04/30/25 10:50*	*05/06/25 08:04*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/02/25 17:42	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/02/25 17:42	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0895		0.0895	0.0224	ug/L		05/01/25 12:27	05/03/25 20:39	1
4,4'-DDE	<0.0895		0.0895	0.0269	ug/L		05/01/25 12:27	05/03/25 20:39	1
4,4'-DDT	<0.0895		0.0895	0.0179	ug/L		05/01/25 12:27	05/03/25 20:39	1
Aldrin	<0.0895		0.0895	0.0197	ug/L		05/01/25 12:27	05/03/25 20:39	1
alpha-BHC	<0.0895		0.0895	0.00895	ug/L		05/01/25 12:27	05/03/25 20:39	1
beta-BHC	<0.0895		0.0895	0.0376	ug/L		05/01/25 12:27	05/03/25 20:39	1

Client Sample ID: MW-212A
Lab Sample ID: 310-305203-7
Date Collected: 04/28/25 12:43
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.79		1.79	0.349	ug/L		05/01/25 12:27	05/03/25 20:39	1
delta-BHC	<0.0895		0.0895	0.0286	ug/L		05/01/25 12:27	05/03/25 20:39	1
Dieldrin	<0.0895		0.0895	0.0188	ug/L		05/01/25 12:27	05/03/25 20:39	1
Endosulfan I	<0.0895		0.0895	0.0251	ug/L		05/01/25 12:27	05/03/25 20:39	1
Endosulfan II	<0.0895		0.0895	0.0233	ug/L		05/01/25 12:27	05/03/25 20:39	1
Endosulfan sulfate	<0.0895		0.0895	0.0161	ug/L		05/01/25 12:27	05/03/25 20:39	1
Endrin	<0.0895		0.0895	0.0251	ug/L		05/01/25 12:27	05/03/25 20:39	1
Endrin aldehyde	<0.0895		0.0895	0.0242	ug/L		05/01/25 12:27	05/03/25 20:39	1
gamma-BHC (Lindane)	<0.0895		0.0895	0.00895	ug/L		05/01/25 12:27	05/03/25 20:39	1
Heptachlor	<0.0895		0.0895	0.0206	ug/L		05/01/25 12:27	05/03/25 20:39	1
Heptachlor epoxide	<0.0895		0.0895	0.0286	ug/L		05/01/25 12:27	05/03/25 20:39	1
Methoxychlor	<0.0895		0.0895	0.0286	ug/L		05/01/25 12:27	05/03/25 20:39	1
Toxaphene	<1.79		1.79	0.895	ug/L		05/01/25 12:27	05/03/25 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*40*		*10 - 150*	*05/01/25 12:27*	*05/03/25 20:39*	*1*
Tetrachloro-m-xylene	*87*		*17 - 150*	*05/01/25 12:27*	*05/03/25 20:39*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.79		1.79	0.734	ug/L		05/01/25 12:27	05/03/25 20:39	1
PCB-1221	<1.79		1.79	0.734	ug/L		05/01/25 12:27	05/03/25 20:39	1
PCB-1232	<1.79		1.79	0.734	ug/L		05/01/25 12:27	05/03/25 20:39	1
PCB-1242	<1.79		1.79	0.734	ug/L		05/01/25 12:27	05/03/25 20:39	1
PCB-1248	<1.79		1.79	0.618	ug/L		05/01/25 12:27	05/03/25 20:39	1
PCB-1254	<1.79		1.79	0.618	ug/L		05/01/25 12:27	05/03/25 20:39	1
PCB-1260	<1.79		1.79	0.618	ug/L		05/01/25 12:27	05/03/25 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*40*		*10 - 150*	*05/01/25 12:27*	*05/03/25 20:39*	*1*
Tetrachloro-m-xylene	*87*		*17 - 150*	*05/01/25 12:27*	*05/03/25 20:39*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.672	*- *1	0.672	0.280	ug/L		05/02/25 15:51	05/03/25 16:46	1
Silvex (2,4,5-TP)	<0.0560	*- *1	0.0560	0.0246	ug/L		05/02/25 15:51	05/03/25 16:46	1
2,4,5-T	<0.168	*- *1	0.168	0.0728	ug/L		05/02/25 15:51	05/03/25 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*63*		*34 - 142*	*05/02/25 15:51*	*05/03/25 16:46*	*1*
DCAA	*55*		*34 - 142*	*05/02/25 15:51*	*05/03/25 16:46*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200		0.200	0.0780	mg/L			04/29/25 16:56	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/09/25 15:47	1
Arsenic	**0.00186**	**J**	0.00200	0.000530	mg/L		05/02/25 09:00	05/09/25 15:47	1
Barium	**0.358**		0.00200	0.000660	mg/L		05/02/25 09:00	05/09/25 15:47	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-212A
Lab Sample ID: 310-305203-7
Date Collected: 04/28/25 12:43
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/09/25 15:47	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/09/25 15:47	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/09/25 15:47	1
Cobalt	**0.000423**	**J**	0.000500	0.000170	mg/L		05/02/25 09:00	05/09/25 15:47	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/09/25 15:47	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/09/25 15:47	1
Nickel	<0.0200		0.0200	0.00920	mg/L		05/02/25 09:00	05/10/25 16:05	4
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/09/25 15:47	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/09/25 15:47	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/09/25 15:47	1
Vanadium	**0.00280**	**J**	0.00500	0.00170	mg/L		05/02/25 09:00	05/09/25 15:47	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/09/25 15:47	1
Tin	<0.00500	^+	0.00500	0.00250	mg/L		05/02/25 09:00	05/09/25 15:47	1
Iron	**12.2**		0.100	0.0500	mg/L		05/02/25 09:00	05/09/25 15:47	1
Manganese	**12.5**		0.0400	0.0144	mg/L		05/02/25 09:00	05/10/25 16:05	4

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/08/25 12:33	05/09/25 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/01/25 11:30	05/02/25 19:19	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/01/25 13:58	1
Sulfate (SW846 9038)	**373**		50.0	18.0	mg/L			05/07/25 11:13	10
Total Organic Carbon (SW846 9060A)	**11.9**		1.00	0.500	mg/L			05/06/25 20:17	1
Total Suspended Solids (USGS I-3765-85)	**48.0**		30.0	21.0	mg/L			04/30/25 18:52	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-207A
Lab Sample ID: 310-305203-8
Date Collected: 04/28/25 13:53
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/01/25 02:56	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/01/25 02:56	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/01/25 02:56	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/01/25 02:56	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/01/25 02:56	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/01/25 02:56	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/01/25 02:56	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/01/25 02:56	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/01/25 02:56	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/01/25 02:56	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/01/25 02:56	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/01/25 02:56	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/01/25 02:56	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/01/25 02:56	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/01/25 02:56	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/01/25 02:56	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/01/25 02:56	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/01/25 02:56	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/01/25 02:56	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/01/25 02:56	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/01/25 02:56	1
Acetone	<10.0		10.0	3.10	ug/L			05/01/25 02:56	1
Acrolein	<10.0		10.0	3.60	ug/L			05/01/25 02:56	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/01/25 02:56	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/01/25 02:56	1
Benzene	<0.500		0.500	0.220	ug/L			05/01/25 02:56	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/01/25 02:56	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/01/25 02:56	1
Bromoform	<5.00		5.00	0.780	ug/L			05/01/25 02:56	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/01/25 02:56	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/01/25 02:56	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/01/25 02:56	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/01/25 02:56	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/01/25 02:56	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/01/25 02:56	1
Chloroform	<3.00		3.00	1.30	ug/L			05/01/25 02:56	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/01/25 02:56	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/01/25 02:56	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/01/25 02:56	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/01/25 02:56	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/01/25 02:56	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/01/25 02:56	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/01/25 02:56	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/01/25 02:56	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/01/25 02:56	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/01/25 02:56	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/01/25 02:56	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/01/25 02:56	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/01/25 02:56	1

Client Sample ID: MW-207A
Lab Sample ID: 310-305203-8
Date Collected: 04/28/25 13:53
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/01/25 02:56	1
Styrene	<1.00		1.00	0.370	ug/L			05/01/25 02:56	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/01/25 02:56	1
Toluene	<1.00		1.00	0.430	ug/L			05/01/25 02:56	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/01/25 02:56	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/01/25 02:56	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/01/25 02:56	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/01/25 02:56	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/01/25 02:56	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/01/25 02:56	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/01/25 02:56	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/01/25 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*76 - 130*		*05/01/25 02:56*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/01/25 02:56*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/01/25 02:56*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.6		10.6	0.681	ug/L		04/30/25 10:50	05/06/25 08:34	1
Acenaphthylene	<10.6		10.6	0.766	ug/L		04/30/25 10:50	05/06/25 08:34	1
Acetophenone	<10.6		10.6	0.734	ug/L		04/30/25 10:50	05/06/25 08:34	1
2-Acetylaminofluorene	<10.6		10.6	2.87	ug/L		04/30/25 10:50	05/06/25 21:02	1
4-Aminobiphenyl	<10.6		10.6	2.34	ug/L		04/30/25 10:50	05/06/25 21:02	1
Anthracene	<10.6		10.6	0.926	ug/L		04/30/25 10:50	05/06/25 08:34	1
Benzo[a]anthracene	<10.6		10.6	0.904	ug/L		04/30/25 10:50	05/06/25 08:34	1
Benzo[a]pyrene	<10.6	*+	10.6	8.62	ug/L		04/30/25 10:50	05/06/25 08:34	1
Benzo[b]fluoranthene	<10.6		10.6	5.21	ug/L		04/30/25 10:50	05/06/25 08:34	1
Benzo[g,h,i]perylene	<10.6		10.6	6.70	ug/L		04/30/25 10:50	05/06/25 08:34	1
Benzo[k]fluoranthene	<10.6		10.6	2.34	ug/L		04/30/25 10:50	05/06/25 08:34	1
Benzyl alcohol	<10.6		10.6	1.38	ug/L		04/30/25 10:50	05/06/25 08:34	1
Bis(2-chloroethoxy)methane	<10.6		10.6	0.809	ug/L		04/30/25 10:50	05/06/25 08:34	1
Bis(2-chloroethyl)ether	<10.6		10.6	0.872	ug/L		04/30/25 10:50	05/06/25 08:34	1
bis (2-chloroisopropyl) ether	<10.6		10.6	0.574	ug/L		04/30/25 10:50	05/06/25 08:34	1
Bis(2-ethylhexyl) phthalate	<10.6		10.6	5.85	ug/L		04/30/25 10:50	05/06/25 08:34	1
4-Bromophenyl phenyl ether	<10.6		10.6	0.745	ug/L		04/30/25 10:50	05/06/25 08:34	1
Butyl benzyl phthalate	<10.6		10.6	5.74	ug/L		04/30/25 10:50	05/06/25 08:34	1
4-Chloroaniline	<10.6		10.6	0.660	ug/L		04/30/25 10:50	05/06/25 08:34	1
Chlorobenzilate	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/07/25 21:26	1
4-Chloro-3-methylphenol	<10.6		10.6	0.894	ug/L		04/30/25 10:50	05/06/25 08:34	1
2-Chloronaphthalene	<10.6		10.6	0.681	ug/L		04/30/25 10:50	05/06/25 08:34	1
2-Chlorophenol	<10.6		10.6	0.574	ug/L		04/30/25 10:50	05/06/25 08:34	1
4-Chlorophenyl phenyl ether	<10.6		10.6	0.734	ug/L		04/30/25 10:50	05/06/25 08:34	1
Chrysene	<10.6		10.6	0.926	ug/L		04/30/25 10:50	05/06/25 08:34	1
Diallate	<10.6		10.6	4.26	ug/L		04/30/25 10:50	05/06/25 21:02	1
Dibenzo(a,h)anthracene	<10.6		10.6	4.15	ug/L		04/30/25 10:50	05/06/25 08:34	1
Dibenzofuran	<10.6		10.6	0.787	ug/L		04/30/25 10:50	05/06/25 08:34	1
3,3'-Dichlorobenzidine	<10.6		10.6	1.49	ug/L		04/30/25 10:50	05/06/25 08:34	1
2,4-Dichlorophenol	<10.6		10.6	0.904	ug/L		04/30/25 10:50	05/06/25 08:34	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-207A
Lab Sample ID: 310-305203-8
Date Collected: 04/28/25 13:53
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.6		10.6	0.734	ug/L		04/30/25 10:50	05/06/25 08:34	1
Diethyl phthalate	<10.6		10.6	1.81	ug/L		04/30/25 10:50	05/06/25 08:34	1
Dimethoate	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/06/25 21:02	1
7,12-Dimethylbenz(a)anthracene	<10.6		10.6	2.02	ug/L		04/30/25 10:50	05/06/25 21:02	1
3,3'-Dimethylbenzidine	<10.6		10.6	1.60	ug/L		04/30/25 10:50	05/06/25 21:02	1
2,4-Dimethylphenol	<10.6		10.6	0.617	ug/L		04/30/25 10:50	05/06/25 08:34	1
Dimethyl phthalate	<10.6		10.6	1.06	ug/L		04/30/25 10:50	05/06/25 08:34	1
Di-n-butyl phthalate	<10.6		10.6	5.96	ug/L		04/30/25 10:50	05/06/25 08:34	1
1,3-Dinitrobenzene	<10.6		10.6	3.40	ug/L		04/30/25 10:50	05/06/25 08:34	1
4,6-Dinitro-2-methylphenol	<10.6		10.6	7.34	ug/L		04/30/25 10:50	05/06/25 08:34	1
2,4-Dinitrophenol	<21.3		21.3	13.8	ug/L		04/30/25 10:50	05/06/25 08:34	1
2,4-Dinitrotoluene	<10.6		10.6	6.81	ug/L		04/30/25 10:50	05/06/25 08:34	1
2,6-Dinitrotoluene	<10.6		10.6	0.553	ug/L		04/30/25 10:50	05/06/25 08:34	1
Di-n-octyl phthalate	<21.3		21.3	7.45	ug/L		04/30/25 10:50	05/06/25 08:34	1
Dinoseb	<10.6		10.6	2.55	ug/L		04/30/25 10:50	05/06/25 21:02	1
Diphenylamine	<10.6		10.6	6.38	ug/L		04/30/25 10:50	05/06/25 08:34	1
Disulfoton	<10.6		10.6	2.55	ug/L		04/30/25 10:50	05/06/25 21:02	1
Ethyl methanesulfonate	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/06/25 21:02	1
Ethyl Parathion	<10.6		10.6	2.34	ug/L		04/30/25 10:50	05/06/25 21:02	1
Famphur	<10.6		10.6	4.04	ug/L		04/30/25 10:50	05/09/25 15:39	1
Fluoranthene	<10.6		10.6	1.81	ug/L		04/30/25 10:50	05/06/25 08:34	1
Fluorene	<10.6		10.6	0.840	ug/L		04/30/25 10:50	05/06/25 08:34	1
Hexachlorobenzene	<10.6		10.6	0.745	ug/L		04/30/25 10:50	05/06/25 08:34	1
Hexachlorobutadiene	<10.6		10.6	0.915	ug/L		04/30/25 10:50	05/06/25 08:34	1
Hexachlorocyclopentadiene	<10.6		10.6	5.43	ug/L		04/30/25 10:50	05/06/25 08:34	1
Hexachloroethane	<10.6		10.6	1.03	ug/L		04/30/25 10:50	05/06/25 08:34	1
Hexachloropropene	<10.6		10.6	2.77	ug/L		04/30/25 10:50	05/06/25 21:02	1
Indeno[1,2,3-cd]pyrene	<10.6		10.6	4.47	ug/L		04/30/25 10:50	05/06/25 08:34	1
Isodrin	<10.6		10.6	5.00	ug/L		04/30/25 10:50	05/06/25 21:02	1
Isophorone	<10.6		10.6	0.989	ug/L		04/30/25 10:50	05/06/25 08:34	1
Isosafrole	<10.6		10.6	2.45	ug/L		04/30/25 10:50	05/06/25 21:02	1
Kepone	<10.6	*+	10.6	1.06	ug/L		04/30/25 10:50	05/06/25 21:02	1
Methapyrilene	<10.6		10.6	0.809	ug/L		04/30/25 10:50	05/06/25 21:02	1
3-Methylcholanthrene	<10.6		10.6	0.340	ug/L		04/30/25 10:50	05/06/25 21:02	1
Methyl methanesulfonate	<10.6		10.6	3.51	ug/L		04/30/25 10:50	05/06/25 21:02	1
2-Methylnaphthalene	<10.6		10.6	0.628	ug/L		04/30/25 10:50	05/06/25 08:34	1
Methyl parathion	<10.6	*+	10.6	2.45	ug/L		04/30/25 10:50	05/06/25 21:02	1
2-Methylphenol	<10.6		10.6	0.691	ug/L		04/30/25 10:50	05/06/25 08:34	1
Methylphenol, 3 & 4	<10.6		10.6	0.745	ug/L		04/30/25 10:50	05/06/25 08:34	1
1,4-Naphthoquinone	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/06/25 21:02	1
1-Naphthylamine	<10.6		10.6	2.66	ug/L		04/30/25 10:50	05/06/25 21:02	1
2-Naphthylamine	<10.6		10.6	2.23	ug/L		04/30/25 10:50	05/06/25 21:02	1
2-Nitroaniline	<10.6		10.6	6.28	ug/L		04/30/25 10:50	05/06/25 08:34	1
3-Nitroaniline	<10.6		10.6	2.87	ug/L		04/30/25 10:50	05/06/25 08:34	1
4-Nitroaniline	<10.6		10.6	1.38	ug/L		04/30/25 10:50	05/06/25 08:34	1
Nitrobenzene	<10.6		10.6	0.851	ug/L		04/30/25 10:50	05/06/25 08:34	1
5-Nitro-o-toluidine	<10.6		10.6	2.98	ug/L		04/30/25 10:50	05/06/25 21:02	1
2-Nitrophenol	<10.6		10.6	7.23	ug/L		04/30/25 10:50	05/06/25 08:34	1
4-Nitrophenol	<10.6		10.6	8.09	ug/L		04/30/25 10:50	05/06/25 08:34	1

Client Sample ID: MW-207A
Lab Sample ID: 310-305203-8
Date Collected: 04/28/25 13:53
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.6		10.6	3.62	ug/L		04/30/25 10:50	05/06/25 21:02	1
N-Nitrosodimethylamine	<10.6		10.6	0.766	ug/L		04/30/25 10:50	05/06/25 08:34	1
N-Nitrosodi-n-butylamine	<10.6		10.6	4.15	ug/L		04/30/25 10:50	05/06/25 21:02	1
N-Nitrosodi-n-propylamine	<10.6		10.6	0.979	ug/L		04/30/25 10:50	05/06/25 08:34	1
N-Nitrosodiphenylamine	<10.6		10.6	0.798	ug/L		04/30/25 10:50	05/06/25 08:34	1
N-Nitrosomethylethylamine	<10.6		10.6	5.21	ug/L		04/30/25 10:50	05/06/25 21:02	1
N-Nitrosopiperidine	<10.6		10.6	2.87	ug/L		04/30/25 10:50	05/06/25 21:02	1
N-Nitrosopyrrolidine	<10.6		10.6	3.83	ug/L		04/30/25 10:50	05/06/25 21:02	1
o,o',o''-Triethylphosphorothioate	<10.6		10.6	3.40	ug/L		04/30/25 10:50	05/06/25 21:02	1
o-Toluidine	<10.6		10.6	3.09	ug/L		04/30/25 10:50	05/06/25 21:02	1
p-Dimethylamino azobenzene	<10.6		10.6	2.34	ug/L		04/30/25 10:50	05/06/25 21:02	1
Pentachlorobenzene	<10.6		10.6	2.98	ug/L		04/30/25 10:50	05/06/25 21:02	1
Pentachloronitrobenzene	<10.6		10.6	6.17	ug/L		04/30/25 10:50	05/06/25 21:02	1
Pentachlorophenol	<10.6		10.6	10.2	ug/L		04/30/25 10:50	05/06/25 08:34	1
Phenacetin	<10.6		10.6	2.02	ug/L		04/30/25 10:50	05/06/25 21:02	1
Phenanthrene	<10.6		10.6	0.840	ug/L		04/30/25 10:50	05/06/25 08:34	1
Phenol	<10.6		10.6	1.17	ug/L		04/30/25 10:50	05/06/25 08:34	1
1,4-phenylenediamine	<10.6	*- *1	10.6	2.02	ug/L		04/30/25 10:50	05/06/25 21:02	1
Phorate	<10.6		10.6	3.40	ug/L		04/30/25 10:50	05/06/25 21:02	1
Pronamide	<10.6		10.6	2.87	ug/L		04/30/25 10:50	05/06/25 21:02	1
Pyrene	<10.6		10.6	0.840	ug/L		04/30/25 10:50	05/06/25 08:34	1
Safrole	<10.6		10.6	2.98	ug/L		04/30/25 10:50	05/06/25 21:02	1
1,2,4,5-Tetrachlorobenzene	<10.6		10.6	0.574	ug/L		04/30/25 10:50	05/06/25 08:34	1
2,3,4,6-Tetrachlorophenol	<10.6		10.6	5.64	ug/L		04/30/25 10:50	05/06/25 08:34	1
Thionazin	<10.6		10.6	3.72	ug/L		04/30/25 10:50	05/06/25 21:02	1
2,4,5-Trichlorophenol	<10.6		10.6	5.64	ug/L		04/30/25 10:50	05/06/25 08:34	1
2,4,6-Trichlorophenol	<10.6		10.6	5.32	ug/L		04/30/25 10:50	05/06/25 08:34	1
1,3,5-Trinitrobenzene	<10.6		10.6	2.45	ug/L		04/30/25 10:50	05/06/25 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*87*		*39 - 118*	*04/30/25 10:50*	*05/06/25 08:34*	*1*
2-Fluorophenol (Surr)	*63*		*25 - 110*	*04/30/25 10:50*	*05/06/25 08:34*	*1*
Nitrobenzene-d5 (Surr)	*87*		*45 - 129*	*04/30/25 10:50*	*05/06/25 08:34*	*1*
Phenol-d5 (Surr)	*57*		*21 - 110*	*04/30/25 10:50*	*05/06/25 08:34*	*1*
Terphenyl-d14 (Surr)	*80*		*12 - 144*	*04/30/25 10:50*	*05/06/25 08:34*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*27 - 136*	*04/30/25 10:50*	*05/06/25 08:34*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/02/25 18:02	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/02/25 18:02	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0902		0.0902	0.0226	ug/L		05/01/25 12:27	05/05/25 13:15	1
4,4'-DDE	<0.0902		0.0902	0.0271	ug/L		05/01/25 12:27	05/05/25 13:15	1
4,4'-DDT	<0.0902		0.0902	0.0180	ug/L		05/01/25 12:27	05/05/25 13:15	1
Aldrin	<0.0902		0.0902	0.0198	ug/L		05/01/25 12:27	05/05/25 13:15	1
alpha-BHC	<0.0902		0.0902	0.00902	ug/L		05/01/25 12:27	05/05/25 13:15	1
beta-BHC	<0.0902		0.0902	0.0379	ug/L		05/01/25 12:27	05/05/25 13:15	1

Client Sample ID: MW-207A
Lab Sample ID: 310-305203-8
Date Collected: 04/28/25 13:53
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.80		1.80	0.352	ug/L		05/01/25 12:27	05/05/25 13:15	1
delta-BHC	<0.0902		0.0902	0.0289	ug/L		05/01/25 12:27	05/05/25 13:15	1
Dieldrin	<0.0902		0.0902	0.0189	ug/L		05/01/25 12:27	05/05/25 13:15	1
Endosulfan I	<0.0902		0.0902	0.0253	ug/L		05/01/25 12:27	05/05/25 13:15	1
Endosulfan II	<0.0902		0.0902	0.0235	ug/L		05/01/25 12:27	05/05/25 13:15	1
Endosulfan sulfate	<0.0902		0.0902	0.0162	ug/L		05/01/25 12:27	05/05/25 13:15	1
Endrin	<0.0902		0.0902	0.0253	ug/L		05/01/25 12:27	05/05/25 13:15	1
Endrin aldehyde	<0.0902		0.0902	0.0244	ug/L		05/01/25 12:27	05/05/25 13:15	1
gamma-BHC (Lindane)	<0.0902		0.0902	0.00902	ug/L		05/01/25 12:27	05/05/25 13:15	1
Heptachlor	<0.0902		0.0902	0.0207	ug/L		05/01/25 12:27	05/05/25 13:15	1
Heptachlor epoxide	<0.0902		0.0902	0.0289	ug/L		05/01/25 12:27	05/05/25 13:15	1
Methoxychlor	<0.0902		0.0902	0.0289	ug/L		05/01/25 12:27	05/05/25 13:15	1
Toxaphene	<1.80		1.80	0.902	ug/L		05/01/25 12:27	05/05/25 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*40*		*10 - 150*	*05/01/25 12:27*	*05/05/25 13:15*	*1*
Tetrachloro-m-xylene	*48*		*17 - 150*	*05/01/25 12:27*	*05/05/25 13:15*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.80		1.80	0.740	ug/L		05/01/25 12:27	05/05/25 13:15	1
PCB-1221	<1.80		1.80	0.740	ug/L		05/01/25 12:27	05/05/25 13:15	1
PCB-1232	<1.80		1.80	0.740	ug/L		05/01/25 12:27	05/05/25 13:15	1
PCB-1242	<1.80		1.80	0.740	ug/L		05/01/25 12:27	05/05/25 13:15	1
PCB-1248	<1.80		1.80	0.622	ug/L		05/01/25 12:27	05/05/25 13:15	1
PCB-1254	<1.80		1.80	0.622	ug/L		05/01/25 12:27	05/05/25 13:15	1
PCB-1260	<1.80		1.80	0.622	ug/L		05/01/25 12:27	05/05/25 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*40*		*10 - 150*	*05/01/25 12:27*	*05/05/25 13:15*	*1*
Tetrachloro-m-xylene	*48*		*17 - 150*	*05/01/25 12:27*	*05/05/25 13:15*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.661	*- *1	0.661	0.275	ug/L		05/02/25 15:51	05/03/25 17:14	1
Silvex (2,4,5-TP)	<0.0551	*- *1	0.0551	0.0242	ug/L		05/02/25 15:51	05/03/25 17:14	1
2,4,5-T	<0.165	*- *1	0.165	0.0716	ug/L		05/02/25 15:51	05/03/25 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*46*		*34 - 142*	*05/02/25 15:51*	*05/03/25 17:14*	*1*
DCAA	*45*		*34 - 142*	*05/02/25 15:51*	*05/03/25 17:14*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200		0.200	0.0780	mg/L			04/29/25 17:12	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0100		0.0100	0.00500	mg/L		05/02/25 09:00	05/05/25 15:32	1
Arsenic	**0.259**		0.0100	0.00265	mg/L		05/02/25 09:00	05/05/25 15:32	1
Barium	**1.96**		0.0100	0.00330	mg/L		05/02/25 09:00	05/05/25 15:32	1

Client Sample ID: MW-207A
Lab Sample ID: 310-305203-8
Date Collected: 04/28/25 13:53
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00500		0.00500	0.00165	mg/L		05/02/25 09:00	05/05/25 15:32	1
Cadmium	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/05/25 15:32	1
Chromium	<0.0250		0.0250	0.00900	mg/L		05/02/25 09:00	05/05/25 15:32	1
Cobalt	**0.00324**		0.00250	0.000850	mg/L		05/02/25 09:00	05/05/25 15:32	1
Copper	<0.0250		0.0250	0.0160	mg/L		05/02/25 09:00	05/05/25 15:32	1
Lead	<0.00250		0.00250	0.00165	mg/L		05/02/25 09:00	05/05/25 15:32	1
Nickel	<0.0250		0.0250	0.0115	mg/L		05/02/25 09:00	05/05/25 15:32	1
Selenium	<0.0250		0.0250	0.00700	mg/L		05/02/25 09:00	05/05/25 15:32	1
Silver	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 15:32	1
Thallium	<0.00500		0.00500	0.00285	mg/L		05/02/25 09:00	05/05/25 15:32	1
Vanadium	<0.0250		0.0250	0.00850	mg/L		05/02/25 09:00	05/05/25 15:32	1
Zinc	<0.100		0.100	0.0650	mg/L		05/02/25 09:00	05/05/25 15:32	1
Tin	<0.0250		0.0250	0.0125	mg/L		05/02/25 09:00	05/05/25 15:32	1
Iron	**136**		0.500	0.250	mg/L		05/02/25 09:00	05/05/25 15:32	1
Manganese	**6.64**		0.0500	0.0180	mg/L		05/02/25 09:00	05/05/25 15:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/08/25 12:33	05/09/25 13:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/01/25 11:30	05/02/25 19:20	1
Sulfide (SW846 9034)	<1.00	F1	1.00	0.231	mg/L			05/01/25 14:02	1
Sulfate (SW846 9038)	**66.0**		10.0	3.60	mg/L			05/07/25 11:13	2
Total Organic Carbon (SW846 9060A)	**10.0**		1.00	0.500	mg/L			05/06/25 20:53	1
Total Suspended Solids (USGS I-3765-85)	**68.0**		30.0	21.0	mg/L			04/30/25 18:52	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 1
Lab Sample ID: 310-305203-9
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/30/25 20:10	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/30/25 20:10	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/30/25 20:10	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/30/25 20:10	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/30/25 20:10	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/30/25 20:10	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/30/25 20:10	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/30/25 20:10	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/30/25 20:10	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/30/25 20:10	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/30/25 20:10	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/30/25 20:10	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/30/25 20:10	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/30/25 20:10	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/30/25 20:10	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/30/25 20:10	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/30/25 20:10	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/30/25 20:10	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/30/25 20:10	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/30/25 20:10	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/30/25 20:10	1
Acetone	<10.0		10.0	3.10	ug/L			04/30/25 20:10	1
Acrolein	<10.0		10.0	3.60	ug/L			04/30/25 20:10	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/30/25 20:10	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/30/25 20:10	1
Benzene	<0.500		0.500	0.220	ug/L			04/30/25 20:10	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/30/25 20:10	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/30/25 20:10	1
Bromoform	<5.00		5.00	0.780	ug/L			04/30/25 20:10	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/30/25 20:10	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/30/25 20:10	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/30/25 20:10	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/30/25 20:10	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/30/25 20:10	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/30/25 20:10	1
Chloroform	<3.00		3.00	1.30	ug/L			04/30/25 20:10	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/30/25 20:10	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/30/25 20:10	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/30/25 20:10	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/30/25 20:10	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/30/25 20:10	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/30/25 20:10	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/30/25 20:10	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/30/25 20:10	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/30/25 20:10	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/30/25 20:10	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/30/25 20:10	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/30/25 20:10	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/30/25 20:10	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 1
Lab Sample ID: 310-305203-9
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/30/25 20:10	1
Styrene	<1.00		1.00	0.370	ug/L			04/30/25 20:10	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/30/25 20:10	1
Toluene	<1.00		1.00	0.430	ug/L			04/30/25 20:10	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/30/25 20:10	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/30/25 20:10	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/30/25 20:10	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/30/25 20:10	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/30/25 20:10	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/30/25 20:10	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/30/25 20:10	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/30/25 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*117*		*76 - 130*		*04/30/25 20:10*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*04/30/25 20:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*04/30/25 20:10*	*1*

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 2
Lab Sample ID: 310-305203-10
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/30/25 20:32	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/30/25 20:32	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/30/25 20:32	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/30/25 20:32	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/30/25 20:32	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/30/25 20:32	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/30/25 20:32	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/30/25 20:32	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/30/25 20:32	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/30/25 20:32	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/30/25 20:32	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/30/25 20:32	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/30/25 20:32	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/30/25 20:32	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/30/25 20:32	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/30/25 20:32	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/30/25 20:32	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/30/25 20:32	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/30/25 20:32	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/30/25 20:32	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/30/25 20:32	1
Acetone	<10.0		10.0	3.10	ug/L			04/30/25 20:32	1
Acrolein	<10.0		10.0	3.60	ug/L			04/30/25 20:32	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/30/25 20:32	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/30/25 20:32	1
Benzene	<0.500		0.500	0.220	ug/L			04/30/25 20:32	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/30/25 20:32	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/30/25 20:32	1
Bromoform	<5.00		5.00	0.780	ug/L			04/30/25 20:32	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/30/25 20:32	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/30/25 20:32	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/30/25 20:32	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/30/25 20:32	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/30/25 20:32	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/30/25 20:32	1
Chloroform	<3.00		3.00	1.30	ug/L			04/30/25 20:32	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/30/25 20:32	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/30/25 20:32	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/30/25 20:32	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/30/25 20:32	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/30/25 20:32	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/30/25 20:32	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/30/25 20:32	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/30/25 20:32	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/30/25 20:32	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/30/25 20:32	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/30/25 20:32	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/30/25 20:32	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/30/25 20:32	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 2
Lab Sample ID: 310-305203-10
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/30/25 20:32	1
Styrene	<1.00		1.00	0.370	ug/L			04/30/25 20:32	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/30/25 20:32	1
Toluene	<1.00		1.00	0.430	ug/L			04/30/25 20:32	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/30/25 20:32	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/30/25 20:32	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/30/25 20:32	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/30/25 20:32	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/30/25 20:32	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/30/25 20:32	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/30/25 20:32	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/30/25 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*04/30/25 20:32*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*04/30/25 20:32*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*04/30/25 20:32*	*1*

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 3
Lab Sample ID: 310-305203-11
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/30/25 20:55	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/30/25 20:55	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/30/25 20:55	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/30/25 20:55	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/30/25 20:55	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/30/25 20:55	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/30/25 20:55	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/30/25 20:55	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/30/25 20:55	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/30/25 20:55	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/30/25 20:55	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/30/25 20:55	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/30/25 20:55	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/30/25 20:55	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/30/25 20:55	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/30/25 20:55	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/30/25 20:55	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/30/25 20:55	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/30/25 20:55	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/30/25 20:55	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/30/25 20:55	1
Acetone	<10.0		10.0	3.10	ug/L			04/30/25 20:55	1
Acrolein	<10.0		10.0	3.60	ug/L			04/30/25 20:55	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/30/25 20:55	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/30/25 20:55	1
Benzene	<0.500		0.500	0.220	ug/L			04/30/25 20:55	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/30/25 20:55	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/30/25 20:55	1
Bromoform	<5.00		5.00	0.780	ug/L			04/30/25 20:55	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/30/25 20:55	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/30/25 20:55	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/30/25 20:55	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/30/25 20:55	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/30/25 20:55	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/30/25 20:55	1
Chloroform	<3.00		3.00	1.30	ug/L			04/30/25 20:55	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/30/25 20:55	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/30/25 20:55	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/30/25 20:55	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/30/25 20:55	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/30/25 20:55	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/30/25 20:55	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/30/25 20:55	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/30/25 20:55	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/30/25 20:55	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/30/25 20:55	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/30/25 20:55	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/30/25 20:55	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/30/25 20:55	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 3
Lab Sample ID: 310-305203-11
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/30/25 20:55	1
Styrene	<1.00		1.00	0.370	ug/L			04/30/25 20:55	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/30/25 20:55	1
Toluene	<1.00		1.00	0.430	ug/L			04/30/25 20:55	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/30/25 20:55	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/30/25 20:55	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/30/25 20:55	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/30/25 20:55	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/30/25 20:55	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/30/25 20:55	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/30/25 20:55	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/30/25 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*117*		*76 - 130*		*04/30/25 20:55*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*04/30/25 20:55*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*04/30/25 20:55*	*1*

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 4
Lab Sample ID: 310-305203-12
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/30/25 21:17	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/30/25 21:17	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/30/25 21:17	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/30/25 21:17	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/30/25 21:17	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/30/25 21:17	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/30/25 21:17	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/30/25 21:17	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/30/25 21:17	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/30/25 21:17	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/30/25 21:17	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/30/25 21:17	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/30/25 21:17	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/30/25 21:17	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/30/25 21:17	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/30/25 21:17	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/30/25 21:17	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/30/25 21:17	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/30/25 21:17	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/30/25 21:17	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/30/25 21:17	1
Acetone	<10.0		10.0	3.10	ug/L			04/30/25 21:17	1
Acrolein	<10.0		10.0	3.60	ug/L			04/30/25 21:17	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/30/25 21:17	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/30/25 21:17	1
Benzene	<0.500		0.500	0.220	ug/L			04/30/25 21:17	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/30/25 21:17	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/30/25 21:17	1
Bromoform	<5.00		5.00	0.780	ug/L			04/30/25 21:17	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/30/25 21:17	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/30/25 21:17	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/30/25 21:17	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/30/25 21:17	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/30/25 21:17	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/30/25 21:17	1
Chloroform	<3.00		3.00	1.30	ug/L			04/30/25 21:17	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/30/25 21:17	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/30/25 21:17	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/30/25 21:17	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/30/25 21:17	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/30/25 21:17	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/30/25 21:17	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/30/25 21:17	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/30/25 21:17	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/30/25 21:17	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/30/25 21:17	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/30/25 21:17	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/30/25 21:17	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/30/25 21:17	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 4
Lab Sample ID: 310-305203-12
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/30/25 21:17	1
Styrene	<1.00		1.00	0.370	ug/L			04/30/25 21:17	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/30/25 21:17	1
Toluene	<1.00		1.00	0.430	ug/L			04/30/25 21:17	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/30/25 21:17	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/30/25 21:17	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/30/25 21:17	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/30/25 21:17	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/30/25 21:17	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/30/25 21:17	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/30/25 21:17	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/30/25 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*04/30/25 21:17*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/30/25 21:17*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*04/30/25 21:17*	*1*

Client Sample ID: Trip Blank 5
Lab Sample ID: 310-305203-13
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/30/25 21:40	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/30/25 21:40	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/30/25 21:40	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/30/25 21:40	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/30/25 21:40	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/30/25 21:40	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/30/25 21:40	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/30/25 21:40	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/30/25 21:40	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/30/25 21:40	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/30/25 21:40	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/30/25 21:40	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/30/25 21:40	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/30/25 21:40	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/30/25 21:40	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/30/25 21:40	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/30/25 21:40	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/30/25 21:40	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/30/25 21:40	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/30/25 21:40	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/30/25 21:40	1
Acetone	<10.0		10.0	3.10	ug/L			04/30/25 21:40	1
Acrolein	<10.0		10.0	3.60	ug/L			04/30/25 21:40	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/30/25 21:40	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/30/25 21:40	1
Benzene	<0.500		0.500	0.220	ug/L			04/30/25 21:40	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/30/25 21:40	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/30/25 21:40	1
Bromoform	<5.00		5.00	0.780	ug/L			04/30/25 21:40	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/30/25 21:40	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/30/25 21:40	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/30/25 21:40	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/30/25 21:40	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/30/25 21:40	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/30/25 21:40	1
Chloroform	<3.00		3.00	1.30	ug/L			04/30/25 21:40	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/30/25 21:40	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/30/25 21:40	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/30/25 21:40	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/30/25 21:40	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/30/25 21:40	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/30/25 21:40	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/30/25 21:40	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/30/25 21:40	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/30/25 21:40	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/30/25 21:40	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/30/25 21:40	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/30/25 21:40	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/30/25 21:40	1

Client Sample ID: Trip Blank 5
Lab Sample ID: 310-305203-13
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/30/25 21:40	1
Styrene	<1.00		1.00	0.370	ug/L			04/30/25 21:40	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/30/25 21:40	1
Toluene	<1.00		1.00	0.430	ug/L			04/30/25 21:40	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/30/25 21:40	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/30/25 21:40	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/30/25 21:40	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/30/25 21:40	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/30/25 21:40	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/30/25 21:40	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/30/25 21:40	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/30/25 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*76 - 130*		*04/30/25 21:40*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/30/25 21:40*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*04/30/25 21:40*	*1*

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 6
Lab Sample ID: 310-305203-14
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/30/25 22:02	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/30/25 22:02	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/30/25 22:02	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/30/25 22:02	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/30/25 22:02	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/30/25 22:02	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/30/25 22:02	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/30/25 22:02	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/30/25 22:02	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/30/25 22:02	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/30/25 22:02	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/30/25 22:02	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/30/25 22:02	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/30/25 22:02	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/30/25 22:02	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/30/25 22:02	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/30/25 22:02	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/30/25 22:02	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/30/25 22:02	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/30/25 22:02	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/30/25 22:02	1
Acetone	<10.0		10.0	3.10	ug/L			04/30/25 22:02	1
Acrolein	<10.0		10.0	3.60	ug/L			04/30/25 22:02	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/30/25 22:02	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/30/25 22:02	1
Benzene	<0.500		0.500	0.220	ug/L			04/30/25 22:02	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/30/25 22:02	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/30/25 22:02	1
Bromoform	<5.00		5.00	0.780	ug/L			04/30/25 22:02	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/30/25 22:02	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/30/25 22:02	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/30/25 22:02	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/30/25 22:02	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/30/25 22:02	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/30/25 22:02	1
Chloroform	<3.00		3.00	1.30	ug/L			04/30/25 22:02	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/30/25 22:02	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/30/25 22:02	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/30/25 22:02	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/30/25 22:02	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/30/25 22:02	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/30/25 22:02	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/30/25 22:02	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/30/25 22:02	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/30/25 22:02	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/30/25 22:02	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/30/25 22:02	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/30/25 22:02	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/30/25 22:02	1

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 6
Lab Sample ID: 310-305203-14
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			04/30/25 22:02	1
Styrene	<1.00		1.00	0.370	ug/L			04/30/25 22:02	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/30/25 22:02	1
Toluene	<1.00		1.00	0.430	ug/L			04/30/25 22:02	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/30/25 22:02	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/30/25 22:02	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/30/25 22:02	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/30/25 22:02	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/30/25 22:02	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/30/25 22:02	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/30/25 22:02	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/30/25 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*04/30/25 22:02*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*04/30/25 22:02*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*04/30/25 22:02*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		DBFM	TOL	BFB						
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)						
310-305203-1	MW-8B	120	89	104						
310-305203-2	MW-10B	113	89	104						
310-305203-3	MW-208B	116	89	103						
310-305203-4	MW-6B	119	93	98						
310-305203-5	MW-209B	113	94	101						
310-305203-6	MW-211B	117	91	99						
310-305203-7	MW-212A	116	90	102						
310-305203-8	MW-207A	111	91	104						
310-305203-9	Trip Blank 1	117	89	101						
310-305203-10	Trip Blank 2	116	89	99						
310-305203-11	Trip Blank 3	117	90	101						
310-305203-12	Trip Blank 4	113	91	100						
310-305203-13	Trip Blank 5	114	92	101						
310-305203-14	Trip Blank 6	116	89	100						
LCS 310-453153/7	Lab Control Sample	99	99	99						
LCS 310-453153/8	Lab Control Sample	120	93	100						
LCS 310-453177/7	Lab Control Sample	103	97	100						
LCS 310-453177/8	Lab Control Sample	113	89	103						
LCS 310-453661/7	Lab Control Sample	98	100	100						
LCS 310-453661/8	Lab Control Sample	114	96	101						
MB 310-453153/6	Method Blank	115	91	102						
MB 310-453177/6	Method Blank	110	89	102						
MB 310-453661/6	Method Blank	115	95	99						

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	2FP	NBZ	PHL	TPHL	TBP		
Lab Sample ID	Client Sample ID	(39-118)	(25-110)	(45-129)	(21-110)	(12-144)	(27-136)		
310-305203-1	MW-8B	82	60	84	56	82	75		
310-305203-2	MW-10B	80	62	83	57	84	76		
310-305203-3	MW-208B	76	44	75	46	73	58		
310-305203-4	MW-6B	85	61	85	53	84	78		
310-305203-5	MW-209B	71	45	69	50	72	63		
310-305203-7	MW-212A	68	49	68	46	67	62		
310-305203-8	MW-207A	87	63	87	57	80	81		
LCS 310-453201/2-A	Lab Control Sample	100	81	107	64	104	99		
LCSD 310-453201/3-A	Lab Control Sample Dup	80	69	86	55	88	83		
MB 310-453201/1-A	Method Blank	89	69	94	59	94	92		

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-305203-1	MW-8B	43	42
310-305203-2	MW-10B	78	52
310-305203-3	MW-208B	53	57
310-305203-4	MW-6B	41	56
310-305203-5	MW-209B	17	27
310-305203-7	MW-212A	40	87
310-305203-8	MW-207A	40	48
LB 310-452894/1-E	Method Blank	59	63
LCS 310-453170/2-A	Lab Control Sample	31	57
LCS 310-453384/30-A	Lab Control Sample	2 S1-	0.1 S1- p
MB 310-453170/1-A	Method Blank	25	46
MB 310-453384/1-A	Method Blank	56	49

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-305203-1	MW-8B	43	42
310-305203-2	MW-10B	78	52
310-305203-3	MW-208B	53	57
310-305203-4	MW-6B	41	56
310-305203-5	MW-209B	17	27
310-305203-7	MW-212A	40	87
310-305203-8	MW-207A	40	48
LB 310-452494/1-E	Method Blank	64	56
LCS 310-453384/11-A	Lab Control Sample	2 S1-	0.3 S1- p
MB 310-453384/1-A	Method Blank	56	49

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
LCS 310-453170/25-A	Lab Control Sample	36	33
MB 310-453170/1-A	Method Blank	28	47

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: HDR Inc
Project/Site: Iowa City Landfill Spring 2025

Job ID: 310-305203-1

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCPAA1 (34-142)	DCPAA2 (34-142)
310-305203-1	MW-8B	63	59
310-305203-2	MW-10B	59	54
310-305203-3	MW-208B	61	56
310-305203-4	MW-6B	65	61
310-305203-5	MW-209B	55	65
310-305203-7	MW-212A	63	55
310-305203-8	MW-207A	46	45
LCS 410-638965/2-A	Lab Control Sample	49	51
LCS 410-638965/2-A - DL	Lab Control Sample	61	61
LCSD 410-638965/3-A - DL	Lab Control Sample Dup	85	83
LCSD 410-638965/3-A	Lab Control Sample Dup	67	62
MB 410-638965/1-A	Method Blank	67	62

Surrogate Legend

DCPAA = DCAA

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-453153/6
Matrix: Water
Analysis Batch: 453153

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/30/25 07:47	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/30/25 07:47	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/30/25 07:47	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/30/25 07:47	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/30/25 07:47	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/30/25 07:47	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/30/25 07:47	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/30/25 07:47	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/30/25 07:47	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/30/25 07:47	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/30/25 07:47	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/30/25 07:47	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/30/25 07:47	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/30/25 07:47	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/30/25 07:47	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/30/25 07:47	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/30/25 07:47	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/30/25 07:47	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/30/25 07:47	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/30/25 07:47	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/30/25 07:47	1
Acetone	<10.0		10.0	3.10	ug/L			04/30/25 07:47	1
Acrolein	<10.0		10.0	3.60	ug/L			04/30/25 07:47	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/30/25 07:47	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/30/25 07:47	1
Benzene	<0.500		0.500	0.220	ug/L			04/30/25 07:47	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/30/25 07:47	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/30/25 07:47	1
Bromoform	<5.00		5.00	0.780	ug/L			04/30/25 07:47	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/30/25 07:47	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/30/25 07:47	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/30/25 07:47	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/30/25 07:47	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/30/25 07:47	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/30/25 07:47	1
Chloroform	<3.00		3.00	1.30	ug/L			04/30/25 07:47	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/30/25 07:47	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/30/25 07:47	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/30/25 07:47	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/30/25 07:47	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/30/25 07:47	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/30/25 07:47	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/30/25 07:47	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/30/25 07:47	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/30/25 07:47	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/30/25 07:47	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/30/25 07:47	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/30/25 07:47	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-453153/6
Matrix: Water
Analysis Batch: 453153

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00	3.00	ug/L			04/30/25 07:47	1
Propionitrile	<10.0		10.0	3.40	ug/L			04/30/25 07:47	1
Styrene	<1.00		1.00	0.370	ug/L			04/30/25 07:47	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/30/25 07:47	1
Toluene	<1.00		1.00	0.430	ug/L			04/30/25 07:47	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/30/25 07:47	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/30/25 07:47	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/30/25 07:47	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/30/25 07:47	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/30/25 07:47	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/30/25 07:47	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/30/25 07:47	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/30/25 07:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*04/30/25 07:47*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/30/25 07:47*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*04/30/25 07:47*	*1*

Lab Sample ID: LCS 310-453153/7
Matrix: Water
Analysis Batch: 453153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	22.49		ug/L		112	70 - 121
1,1,1-Trichloroethane	20.0	21.05		ug/L		105	69 - 130
1,1,2,2-Tetrachloroethane	20.0	18.81		ug/L		94	70 - 122
1,1,2-Trichloroethane	20.0	20.45		ug/L		102	75 - 121
1,1-Dichloroethane	20.0	19.46		ug/L		97	69 - 127
1,1-Dichloroethene	20.0	20.64		ug/L		103	64 - 134
1,1-Dichloropropene	20.0	21.04		ug/L		105	70 - 133
1,2,3-Trichloropropane	20.0	18.99		ug/L		95	70 - 122
1,2,4-Trichlorobenzene	20.0	20.53		ug/L		103	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	19.12		ug/L		96	62 - 132
1,2-Dibromoethane (EDB)	20.0	21.43		ug/L		107	74 - 122
1,2-Dichlorobenzene	20.0	19.93		ug/L		100	74 - 120
1,2-Dichloroethane	20.0	20.70		ug/L		104	68 - 125
1,2-Dichloropropane	20.0	20.69		ug/L		103	72 - 128
1,3-Dichlorobenzene	20.0	20.50		ug/L		102	71 - 120
1,3-Dichloropropane	20.0	20.30		ug/L		102	72 - 125
1,4-Dichlorobenzene	20.0	18.45		ug/L		92	72 - 120
2,2-Dichloropropane	20.0	17.59		ug/L		88	51 - 146
2-Butanone (MEK)	40.0	37.90		ug/L		95	60 - 134
2-Hexanone	40.0	39.73		ug/L		99	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	38.50		ug/L		96	62 - 136
Acetone	40.0	39.07		ug/L		98	59 - 136
Acrolein	94.8	101.5		ug/L		107	50 - 150
Acrylonitrile	200	212.3		ug/L		106	50 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-453153/7
Matrix: Water
Analysis Batch: 453153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Allyl chloride	20.0	19.23		ug/L		96	61 - 136
Benzene	20.0	19.09		ug/L		95	71 - 125
Bromochloromethane	20.0	21.07		ug/L		105	69 - 131
Bromodichloromethane	20.0	20.42		ug/L		102	70 - 122
Bromoform	20.0	19.08		ug/L		95	62 - 122
Carbon disulfide	20.0	21.29		ug/L		106	58 - 137
Carbon tetrachloride	20.0	23.02		ug/L		115	63 - 136
Chlorobenzene	20.0	19.67		ug/L		98	74 - 120
Chlorodibromomethane	20.0	19.63		ug/L		98	69 - 121
Chloroform	20.0	21.22		ug/L		106	72 - 122
Chloroprene	20.0	20.89		ug/L		104	67 - 136
cis-1,2-Dichloroethene	20.0	21.81		ug/L		109	72 - 123
cis-1,3-Dichloropropene	20.0	18.29		ug/L		91	72 - 123
Dibromomethane	20.0	21.67		ug/L		108	72 - 122
Ethyl methacrylate	20.0	20.18		ug/L		101	68 - 128
Ethylbenzene	20.0	20.11		ug/L		101	75 - 120
Iodomethane	20.0	13.69		ug/L		68	18 - 150
Methacrylonitrile	200	203.0		ug/L		102	67 - 128
Methyl methacrylate	40.0	42.09		ug/L		105	69 - 129
Methylene Chloride	20.0	23.09		ug/L		115	72 - 128
Naphthalene	20.0	20.55		ug/L		103	69 - 126
Propionitrile	200	198.1		ug/L		99	68 - 131
Styrene	20.0	20.69		ug/L		103	74 - 122
Tetrachloroethene	20.0	22.59		ug/L		113	70 - 128
Toluene	20.0	20.46		ug/L		102	74 - 120
trans-1,2-Dichloroethene	20.0	20.60		ug/L		103	67 - 127
trans-1,3-Dichloropropene	20.0	19.63		ug/L		98	67 - 123
trans-1,4-Dichloro-2-butene	20.0	16.61		ug/L		83	50 - 150
Trichloroethene	20.0	19.97		ug/L		100	70 - 128
Vinyl acetate	40.0	37.64		ug/L		94	50 - 150
Xylenes, Total	40.0	41.47		ug/L		104	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*76 - 130*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: LCS 310-453153/8
Matrix: Water
Analysis Batch: 453153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	17.15		ug/L		86	33 - 138
Chloroethane	20.0	22.33		ug/L		112	59 - 139
Chloromethane	20.0	22.17		ug/L		111	52 - 146
Dichlorodifluoromethane	20.0	27.67		ug/L		138	45 - 150
Trichlorofluoromethane	20.0	24.89		ug/L		124	55 - 150
Vinyl chloride	20.0	22.93		ug/L		115	60 - 142

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-453153/8
Matrix: Water
Analysis Batch: 453153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*120*		*76 - 130*
Toluene-d8 (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 310-453177/6
Matrix: Water
Analysis Batch: 453177

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			04/30/25 19:02	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			04/30/25 19:02	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			04/30/25 19:02	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			04/30/25 19:02	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			04/30/25 19:02	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			04/30/25 19:02	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			04/30/25 19:02	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			04/30/25 19:02	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			04/30/25 19:02	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			04/30/25 19:02	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			04/30/25 19:02	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			04/30/25 19:02	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			04/30/25 19:02	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			04/30/25 19:02	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			04/30/25 19:02	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			04/30/25 19:02	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			04/30/25 19:02	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			04/30/25 19:02	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			04/30/25 19:02	1
2-Hexanone	<10.0		10.0	2.00	ug/L			04/30/25 19:02	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			04/30/25 19:02	1
Acetone	<10.0		10.0	3.10	ug/L			04/30/25 19:02	1
Acrolein	<10.0		10.0	3.60	ug/L			04/30/25 19:02	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			04/30/25 19:02	1
Allyl chloride	<2.00		2.00	0.700	ug/L			04/30/25 19:02	1
Benzene	<0.500		0.500	0.220	ug/L			04/30/25 19:02	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			04/30/25 19:02	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			04/30/25 19:02	1
Bromoform	<5.00		5.00	0.780	ug/L			04/30/25 19:02	1
Bromomethane	<4.00		4.00	1.10	ug/L			04/30/25 19:02	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			04/30/25 19:02	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			04/30/25 19:02	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			04/30/25 19:02	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			04/30/25 19:02	1
Chloroethane	<4.00		4.00	0.790	ug/L			04/30/25 19:02	1
Chloroform	<3.00		3.00	1.30	ug/L			04/30/25 19:02	1
Chloromethane	<3.00		3.00	0.610	ug/L			04/30/25 19:02	1
Chloroprene	<1.00		1.00	0.230	ug/L			04/30/25 19:02	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			04/30/25 19:02	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-453177/6
Matrix: Water
Analysis Batch: 453177

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			04/30/25 19:02	1
Dibromomethane	<1.00		1.00	0.330	ug/L			04/30/25 19:02	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			04/30/25 19:02	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			04/30/25 19:02	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			04/30/25 19:02	1
Iodomethane	<10.0		10.0	7.00	ug/L			04/30/25 19:02	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			04/30/25 19:02	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			04/30/25 19:02	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			04/30/25 19:02	1
Naphthalene	<5.00		5.00	3.00	ug/L			04/30/25 19:02	1
Propionitrile	<10.0		10.0	3.40	ug/L			04/30/25 19:02	1
Styrene	<1.00		1.00	0.370	ug/L			04/30/25 19:02	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			04/30/25 19:02	1
Toluene	<1.00		1.00	0.430	ug/L			04/30/25 19:02	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			04/30/25 19:02	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			04/30/25 19:02	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			04/30/25 19:02	1
Trichloroethene	<1.00		1.00	0.430	ug/L			04/30/25 19:02	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			04/30/25 19:02	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			04/30/25 19:02	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			04/30/25 19:02	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			04/30/25 19:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*76 - 130*		*04/30/25 19:02*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*04/30/25 19:02*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*04/30/25 19:02*	*1*

Lab Sample ID: LCS 310-453177/7
Matrix: Water
Analysis Batch: 453177

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	22.89		ug/L		114	70 - 121
1,1,1-Trichloroethane	20.0	22.09		ug/L		110	69 - 130
1,1,2,2-Tetrachloroethane	20.0	18.87		ug/L		94	70 - 122
1,1,2-Trichloroethane	20.0	21.32		ug/L		107	75 - 121
1,1-Dichloroethane	20.0	19.62		ug/L		98	69 - 127
1,1-Dichloroethene	20.0	21.83		ug/L		109	64 - 134
1,1-Dichloropropene	20.0	22.20		ug/L		111	70 - 133
1,2,3-Trichloropropane	20.0	18.56		ug/L		93	70 - 122
1,2,4-Trichlorobenzene	20.0	21.27		ug/L		106	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	20.74		ug/L		104	62 - 132
1,2-Dibromoethane (EDB)	20.0	21.52		ug/L		108	74 - 122
1,2-Dichlorobenzene	20.0	19.95		ug/L		100	74 - 120
1,2-Dichloroethane	20.0	21.12		ug/L		106	68 - 125
1,2-Dichloropropane	20.0	21.06		ug/L		105	72 - 128
1,3-Dichlorobenzene	20.0	20.59		ug/L		103	71 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-453177/7
Matrix: Water
Analysis Batch: 453177

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Dichloropropane	20.0	20.27		ug/L		101	72 - 125
1,4-Dichlorobenzene	20.0	19.64		ug/L		98	72 - 120
2,2-Dichloropropane	20.0	19.50		ug/L		97	51 - 146
2-Butanone (MEK)	40.0	36.97		ug/L		92	60 - 134
2-Hexanone	40.0	40.37		ug/L		101	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	39.13		ug/L		98	62 - 136
Acetone	40.0	39.40		ug/L		98	59 - 136
Acrolein	94.8	104.7		ug/L		110	50 - 150
Acrylonitrile	200	209.0		ug/L		104	50 - 150
Allyl chloride	20.0	18.33		ug/L		92	61 - 136
Benzene	20.0	20.08		ug/L		100	71 - 125
Bromochloromethane	20.0	21.85		ug/L		109	69 - 131
Bromodichloromethane	20.0	21.09		ug/L		105	70 - 122
Bromoform	20.0	19.59		ug/L		98	62 - 122
Carbon disulfide	20.0	22.00		ug/L		110	58 - 137
Carbon tetrachloride	20.0	24.16		ug/L		121	63 - 136
Chlorobenzene	20.0	19.56		ug/L		98	74 - 120
Chlorodibromomethane	20.0	19.59		ug/L		98	69 - 121
Chloroform	20.0	21.88		ug/L		109	72 - 122
Chloroprene	20.0	22.27		ug/L		111	67 - 136
cis-1,2-Dichloroethene	20.0	22.17		ug/L		111	72 - 123
cis-1,3-Dichloropropene	20.0	19.54		ug/L		98	72 - 123
Dibromomethane	20.0	22.07		ug/L		110	72 - 122
Ethyl methacrylate	20.0	21.55		ug/L		108	68 - 128
Ethylbenzene	20.0	20.05		ug/L		100	75 - 120
Iodomethane	20.0	14.55		ug/L		73	18 - 150
Methacrylonitrile	200	205.3		ug/L		103	67 - 128
Methyl methacrylate	40.0	42.35		ug/L		106	69 - 129
Methylene Chloride	20.0	23.58		ug/L		118	72 - 128
Naphthalene	20.0	20.75		ug/L		104	69 - 126
Propionitrile	200	199.4		ug/L		100	68 - 131
Styrene	20.0	20.58		ug/L		103	74 - 122
Tetrachloroethene	20.0	22.65		ug/L		113	70 - 128
Toluene	20.0	20.81		ug/L		104	74 - 120
trans-1,2-Dichloroethene	20.0	22.28		ug/L		111	67 - 127
trans-1,3-Dichloropropene	20.0	20.03		ug/L		100	67 - 123
trans-1,4-Dichloro-2-butene	20.0	18.05		ug/L		90	50 - 150
Trichloroethene	20.0	21.39		ug/L		107	70 - 128
Vinyl acetate	40.0	38.60		ug/L		96	50 - 150
Xylenes, Total	40.0	41.22		ug/L		103	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*76 - 130*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-453177/8
Matrix: Water
Analysis Batch: 453177

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromomethane			20.0	18.36		ug/L		92	33 - 138		
Chloroethane			20.0	23.41		ug/L		117	59 - 139		
Chloromethane			20.0	23.62		ug/L		118	52 - 146		
Dichlorodifluoromethane			20.0	28.53		ug/L		143	45 - 150		
Trichlorofluoromethane			20.0	26.47		ug/L		132	55 - 150		
Vinyl chloride			20.0	24.52		ug/L		123	60 - 142		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*113*		*76 - 130*
Toluene-d8 (Surr)	*89*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 310-453661/6
Matrix: Water
Analysis Batch: 453661

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/05/25 10:15	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/05/25 10:15	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/05/25 10:15	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/05/25 10:15	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/05/25 10:15	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/05/25 10:15	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/05/25 10:15	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/05/25 10:15	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/05/25 10:15	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/05/25 10:15	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/05/25 10:15	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/05/25 10:15	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/05/25 10:15	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/05/25 10:15	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/05/25 10:15	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/05/25 10:15	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/05/25 10:15	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/05/25 10:15	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/05/25 10:15	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/05/25 10:15	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/05/25 10:15	1
Acetone	<10.0		10.0	3.10	ug/L			05/05/25 10:15	1
Acrolein	<10.0		10.0	3.60	ug/L			05/05/25 10:15	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/05/25 10:15	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/05/25 10:15	1
Benzene	<0.500		0.500	0.220	ug/L			05/05/25 10:15	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/05/25 10:15	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/05/25 10:15	1
Bromoform	<5.00		5.00	0.780	ug/L			05/05/25 10:15	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/05/25 10:15	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/05/25 10:15	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-453661/6
Matrix: Water
Analysis Batch: 453661

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/05/25 10:15	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/05/25 10:15	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/05/25 10:15	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/05/25 10:15	1
Chloroform	<3.00		3.00	1.30	ug/L			05/05/25 10:15	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/05/25 10:15	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/05/25 10:15	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/05/25 10:15	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/05/25 10:15	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/05/25 10:15	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/05/25 10:15	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/05/25 10:15	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/05/25 10:15	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/05/25 10:15	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/05/25 10:15	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/05/25 10:15	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/05/25 10:15	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/05/25 10:15	1
Propionitrile	<10.0		10.0	3.40	ug/L			05/05/25 10:15	1
Styrene	<1.00		1.00	0.370	ug/L			05/05/25 10:15	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/05/25 10:15	1
Toluene	<1.00		1.00	0.430	ug/L			05/05/25 10:15	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/05/25 10:15	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/05/25 10:15	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/05/25 10:15	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/05/25 10:15	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/05/25 10:15	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/05/25 10:15	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/05/25 10:15	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/05/25 10:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*05/05/25 10:15*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/05/25 10:15*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/05/25 10:15*	*1*

Lab Sample ID: LCS 310-453661/7
Matrix: Water
Analysis Batch: 453661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	17.58		ug/L		88	70 - 121
1,1,1-Trichloroethane	20.0	18.55		ug/L		93	69 - 130
1,1,2,2-Tetrachloroethane	20.0	16.64		ug/L		83	70 - 122
1,1,2-Trichloroethane	20.0	16.74		ug/L		84	75 - 121
1,1-Dichloroethane	20.0	19.85		ug/L		99	69 - 127
1,1-Dichloroethene	20.0	20.27		ug/L		101	64 - 134
1,1-Dichloropropene	20.0	18.08		ug/L		90	70 - 133

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-453661/7
Matrix: Water
Analysis Batch: 453661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	20.0	16.64		ug/L		83	70 - 122
1,2,4-Trichlorobenzene	20.0	17.38		ug/L		87	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	19.04		ug/L		95	62 - 132
1,2-Dibromoethane (EDB)	20.0	16.79		ug/L		84	74 - 122
1,2-Dichlorobenzene	20.0	17.71		ug/L		89	74 - 120
1,2-Dichloroethane	20.0	19.70		ug/L		98	68 - 125
1,2-Dichloropropane	20.0	18.59		ug/L		93	72 - 128
1,3-Dichlorobenzene	20.0	17.44		ug/L		87	71 - 120
1,3-Dichloropropane	20.0	17.50		ug/L		87	72 - 125
1,4-Dichlorobenzene	20.0	17.42		ug/L		87	72 - 120
2,2-Dichloropropane	20.0	18.80		ug/L		94	51 - 146
2-Butanone (MEK)	40.0	34.24		ug/L		86	60 - 134
2-Hexanone	40.0	33.74		ug/L		84	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	35.19		ug/L		88	62 - 136
Acetone	40.0	36.95		ug/L		92	59 - 136
Acrolein	94.8	88.96		ug/L		94	50 - 150
Acrylonitrile	200	185.7		ug/L		93	50 - 150
Allyl chloride	20.0	16.64		ug/L		83	61 - 136
Benzene	20.0	18.44		ug/L		92	71 - 125
Bromochloromethane	20.0	20.22		ug/L		101	69 - 131
Bromodichloromethane	20.0	18.30		ug/L		92	70 - 122
Bromoform	20.0	17.77		ug/L		89	62 - 122
Carbon disulfide	20.0	20.04		ug/L		100	58 - 137
Carbon tetrachloride	20.0	19.34		ug/L		97	63 - 136
Chlorobenzene	20.0	18.08		ug/L		90	74 - 120
Chlorodibromomethane	20.0	16.89		ug/L		84	69 - 121
Chloroform	20.0	20.34		ug/L		102	72 - 122
Chloroprene	20.0	18.50		ug/L		92	67 - 136
cis-1,2-Dichloroethene	20.0	19.08		ug/L		95	72 - 123
cis-1,3-Dichloropropene	20.0	17.51		ug/L		88	72 - 123
Dibromomethane	20.0	19.92		ug/L		100	72 - 122
Ethyl methacrylate	20.0	18.78		ug/L		94	68 - 128
Ethylbenzene	20.0	18.17		ug/L		91	75 - 120
Iodomethane	20.0	11.97		ug/L		60	18 - 150
Methacrylonitrile	200	166.9		ug/L		83	67 - 128
Methyl methacrylate	40.0	36.19		ug/L		90	69 - 129
Methylene Chloride	20.0	19.55		ug/L		98	72 - 128
Naphthalene	20.0	18.31		ug/L		92	69 - 126
Propionitrile	200	190.6		ug/L		95	68 - 131
Styrene	20.0	16.44		ug/L		82	74 - 122
Tetrachloroethene	20.0	17.99		ug/L		90	70 - 128
Toluene	20.0	19.19		ug/L		96	74 - 120
trans-1,2-Dichloroethene	20.0	19.19		ug/L		96	67 - 127
trans-1,3-Dichloropropene	20.0	16.97		ug/L		85	67 - 123
trans-1,4-Dichloro-2-butene	20.0	17.69		ug/L		88	50 - 150
Trichloroethene	20.0	17.09		ug/L		85	70 - 128
Vinyl acetate	40.0	32.16		ug/L		80	50 - 150
Xylenes, Total	40.0	36.19		ug/L		90	74 - 121

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-453661/7
Matrix: Water
Analysis Batch: 453661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*98*		*76 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: LCS 310-453661/8
Matrix: Water
Analysis Batch: 453661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	18.98		ug/L		95	33 - 138
Chloroethane	20.0	22.16		ug/L		111	59 - 139
Chloromethane	20.0	24.29		ug/L		121	52 - 146
Dichlorodifluoromethane	20.0	27.48		ug/L		137	45 - 150
Trichlorofluoromethane	20.0	23.77		ug/L		119	55 - 150
Vinyl chloride	20.0	22.00		ug/L		110	60 - 142

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*114*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-453201/1-A
Matrix: Water
Analysis Batch: 453747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		04/30/25 10:50	05/06/25 03:04	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		04/30/25 10:50	05/06/25 03:04	1
Acetophenone	<10.0		10.0	0.690	ug/L		04/30/25 10:50	05/06/25 03:04	1
Anthracene	<10.0		10.0	0.870	ug/L		04/30/25 10:50	05/06/25 03:04	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		04/30/25 10:50	05/06/25 03:04	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		04/30/25 10:50	05/06/25 03:04	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		04/30/25 10:50	05/06/25 03:04	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		04/30/25 10:50	05/06/25 03:04	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		04/30/25 10:50	05/06/25 03:04	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		04/30/25 10:50	05/06/25 03:04	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		04/30/25 10:50	05/06/25 03:04	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		04/30/25 10:50	05/06/25 03:04	1
bis (2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		04/30/25 10:50	05/06/25 03:04	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		04/30/25 10:50	05/06/25 03:04	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		04/30/25 10:50	05/06/25 03:04	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		04/30/25 10:50	05/06/25 03:04	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		04/30/25 10:50	05/06/25 03:04	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		04/30/25 10:50	05/06/25 03:04	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		04/30/25 10:50	05/06/25 03:04	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		04/30/25 10:50	05/06/25 03:04	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-453201/1-A
Matrix: Water
Analysis Batch: 453747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		04/30/25 10:50	05/06/25 03:04	1
Chrysene	<10.0		10.0	0.870	ug/L		04/30/25 10:50	05/06/25 03:04	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		04/30/25 10:50	05/06/25 03:04	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		04/30/25 10:50	05/06/25 03:04	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		04/30/25 10:50	05/06/25 03:04	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		04/30/25 10:50	05/06/25 03:04	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		04/30/25 10:50	05/06/25 03:04	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		04/30/25 10:50	05/06/25 03:04	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		04/30/25 10:50	05/06/25 03:04	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		04/30/25 10:50	05/06/25 03:04	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		04/30/25 10:50	05/06/25 03:04	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		04/30/25 10:50	05/06/25 03:04	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		04/30/25 10:50	05/06/25 03:04	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		04/30/25 10:50	05/06/25 03:04	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		04/30/25 10:50	05/06/25 03:04	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		04/30/25 10:50	05/06/25 03:04	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		04/30/25 10:50	05/06/25 03:04	1
Diphenylamine	<10.0		10.0	6.00	ug/L		04/30/25 10:50	05/06/25 03:04	1
Fluoranthene	<10.0		10.0	1.70	ug/L		04/30/25 10:50	05/06/25 03:04	1
Fluorene	<10.0		10.0	0.790	ug/L		04/30/25 10:50	05/06/25 03:04	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		04/30/25 10:50	05/06/25 03:04	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		04/30/25 10:50	05/06/25 03:04	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		04/30/25 10:50	05/06/25 03:04	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		04/30/25 10:50	05/06/25 03:04	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		04/30/25 10:50	05/06/25 03:04	1
Isophorone	<10.0		10.0	0.930	ug/L		04/30/25 10:50	05/06/25 03:04	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		04/30/25 10:50	05/06/25 03:04	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		04/30/25 10:50	05/06/25 03:04	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		04/30/25 10:50	05/06/25 03:04	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		04/30/25 10:50	05/06/25 03:04	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		04/30/25 10:50	05/06/25 03:04	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		04/30/25 10:50	05/06/25 03:04	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		04/30/25 10:50	05/06/25 03:04	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		04/30/25 10:50	05/06/25 03:04	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		04/30/25 10:50	05/06/25 03:04	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		04/30/25 10:50	05/06/25 03:04	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		04/30/25 10:50	05/06/25 03:04	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		04/30/25 10:50	05/06/25 03:04	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		04/30/25 10:50	05/06/25 03:04	1
Phenanthrene	<10.0		10.0	0.790	ug/L		04/30/25 10:50	05/06/25 03:04	1
Phenol	<10.0		10.0	1.10	ug/L		04/30/25 10:50	05/06/25 03:04	1
Pyrene	<10.0		10.0	0.790	ug/L		04/30/25 10:50	05/06/25 03:04	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		04/30/25 10:50	05/06/25 03:04	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		04/30/25 10:50	05/06/25 03:04	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		04/30/25 10:50	05/06/25 03:04	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		04/30/25 10:50	05/06/25 03:04	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-453201/1-A
Matrix: Water
Analysis Batch: 453747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453201

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	89		39 - 118	04/30/25 10:50	05/06/25 03:04	1
2-Fluorophenol (Surr)	69		25 - 110	04/30/25 10:50	05/06/25 03:04	1
Nitrobenzene-d5 (Surr)	94		45 - 129	04/30/25 10:50	05/06/25 03:04	1
Phenol-d5 (Surr)	59		21 - 110	04/30/25 10:50	05/06/25 03:04	1
Terphenyl-d14 (Surr)	94		12 - 144	04/30/25 10:50	05/06/25 03:04	1
2,4,6-Tribromophenol (Surr)	92		27 - 136	04/30/25 10:50	05/06/25 03:04	1

Lab Sample ID: MB 310-453201/1-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		04/30/25 10:50	05/06/25 17:03	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		04/30/25 10:50	05/06/25 17:03	1
Acetophenone	<10.0		10.0	0.690	ug/L		04/30/25 10:50	05/06/25 17:03	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		04/30/25 10:50	05/06/25 17:03	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		04/30/25 10:50	05/06/25 17:03	1
Anthracene	<10.0		10.0	0.870	ug/L		04/30/25 10:50	05/06/25 17:03	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		04/30/25 10:50	05/06/25 17:03	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		04/30/25 10:50	05/06/25 17:03	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		04/30/25 10:50	05/06/25 17:03	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		04/30/25 10:50	05/06/25 17:03	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		04/30/25 10:50	05/06/25 17:03	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		04/30/25 10:50	05/06/25 17:03	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		04/30/25 10:50	05/06/25 17:03	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		04/30/25 10:50	05/06/25 17:03	1
bis (2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		04/30/25 10:50	05/06/25 17:03	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		04/30/25 10:50	05/06/25 17:03	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		04/30/25 10:50	05/06/25 17:03	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		04/30/25 10:50	05/06/25 17:03	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		04/30/25 10:50	05/06/25 17:03	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		04/30/25 10:50	05/06/25 17:03	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		04/30/25 10:50	05/06/25 17:03	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		04/30/25 10:50	05/06/25 17:03	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		04/30/25 10:50	05/06/25 17:03	1
Chrysene	<10.0		10.0	0.870	ug/L		04/30/25 10:50	05/06/25 17:03	1
Diallate	<10.0		10.0	4.00	ug/L		04/30/25 10:50	05/06/25 17:03	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		04/30/25 10:50	05/06/25 17:03	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		04/30/25 10:50	05/06/25 17:03	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		04/30/25 10:50	05/06/25 17:03	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		04/30/25 10:50	05/06/25 17:03	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		04/30/25 10:50	05/06/25 17:03	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		04/30/25 10:50	05/06/25 17:03	1
Dimethoate	<10.0		10.0	3.60	ug/L		04/30/25 10:50	05/06/25 17:03	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		04/30/25 10:50	05/06/25 17:03	1
3,3'-Dimethylbenzidine	<10.0		10.0	1.50	ug/L		04/30/25 10:50	05/06/25 17:03	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		04/30/25 10:50	05/06/25 17:03	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		04/30/25 10:50	05/06/25 17:03	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-453201/1-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		04/30/25 10:50	05/06/25 17:03	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		04/30/25 10:50	05/06/25 17:03	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		04/30/25 10:50	05/06/25 17:03	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		04/30/25 10:50	05/06/25 17:03	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		04/30/25 10:50	05/06/25 17:03	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		04/30/25 10:50	05/06/25 17:03	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		04/30/25 10:50	05/06/25 17:03	1
Dinoseb	<10.0		10.0	2.40	ug/L		04/30/25 10:50	05/06/25 17:03	1
Diphenylamine	<10.0		10.0	6.00	ug/L		04/30/25 10:50	05/06/25 17:03	1
Disulfoton	<10.0		10.0	2.40	ug/L		04/30/25 10:50	05/06/25 17:03	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		04/30/25 10:50	05/06/25 17:03	1
Ethyl Parathion	<10.0		10.0	2.20	ug/L		04/30/25 10:50	05/06/25 17:03	1
Fluoranthene	<10.0		10.0	1.70	ug/L		04/30/25 10:50	05/06/25 17:03	1
Fluorene	<10.0		10.0	0.790	ug/L		04/30/25 10:50	05/06/25 17:03	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		04/30/25 10:50	05/06/25 17:03	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		04/30/25 10:50	05/06/25 17:03	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		04/30/25 10:50	05/06/25 17:03	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		04/30/25 10:50	05/06/25 17:03	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		04/30/25 10:50	05/06/25 17:03	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		04/30/25 10:50	05/06/25 17:03	1
Isodrin	<10.0		10.0	4.70	ug/L		04/30/25 10:50	05/06/25 17:03	1
Isophorone	<10.0		10.0	0.930	ug/L		04/30/25 10:50	05/06/25 17:03	1
Isosafrole	<10.0		10.0	2.30	ug/L		04/30/25 10:50	05/06/25 17:03	1
Kepone	<10.0		10.0	1.00	ug/L		04/30/25 10:50	05/06/25 17:03	1
Methapyrilene	<10.0		10.0	0.760	ug/L		04/30/25 10:50	05/06/25 17:03	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		04/30/25 10:50	05/06/25 17:03	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		04/30/25 10:50	05/06/25 17:03	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		04/30/25 10:50	05/06/25 17:03	1
Methyl parathion	<10.0		10.0	2.30	ug/L		04/30/25 10:50	05/06/25 17:03	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		04/30/25 10:50	05/06/25 17:03	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		04/30/25 10:50	05/06/25 17:03	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		04/30/25 10:50	05/06/25 17:03	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		04/30/25 10:50	05/06/25 17:03	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		04/30/25 10:50	05/06/25 17:03	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		04/30/25 10:50	05/06/25 17:03	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		04/30/25 10:50	05/06/25 17:03	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		04/30/25 10:50	05/06/25 17:03	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		04/30/25 10:50	05/06/25 17:03	1
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		04/30/25 10:50	05/06/25 17:03	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		04/30/25 10:50	05/06/25 17:03	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		04/30/25 10:50	05/06/25 17:03	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		04/30/25 10:50	05/06/25 17:03	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		04/30/25 10:50	05/06/25 17:03	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		04/30/25 10:50	05/06/25 17:03	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		04/30/25 10:50	05/06/25 17:03	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		04/30/25 10:50	05/06/25 17:03	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		04/30/25 10:50	05/06/25 17:03	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		04/30/25 10:50	05/06/25 17:03	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		04/30/25 10:50	05/06/25 17:03	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-453201/1-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		04/30/25 10:50	05/06/25 17:03	1
o-Toluidine	<10.0		10.0	2.90	ug/L		04/30/25 10:50	05/06/25 17:03	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		04/30/25 10:50	05/06/25 17:03	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		04/30/25 10:50	05/06/25 17:03	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		04/30/25 10:50	05/06/25 17:03	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		04/30/25 10:50	05/06/25 17:03	1
Phenacetin	<10.0		10.0	1.90	ug/L		04/30/25 10:50	05/06/25 17:03	1
Phenanthrene	<10.0		10.0	0.790	ug/L		04/30/25 10:50	05/06/25 17:03	1
Phenol	<10.0		10.0	1.10	ug/L		04/30/25 10:50	05/06/25 17:03	1
1,4-phenylenediamine	<10.0		10.0	1.90	ug/L		04/30/25 10:50	05/06/25 17:03	1
Phorate	<10.0		10.0	3.20	ug/L		04/30/25 10:50	05/06/25 17:03	1
Pronamide	<10.0		10.0	2.70	ug/L		04/30/25 10:50	05/06/25 17:03	1
Pyrene	<10.0		10.0	0.790	ug/L		04/30/25 10:50	05/06/25 17:03	1
Safrole	<10.0		10.0	2.80	ug/L		04/30/25 10:50	05/06/25 17:03	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		04/30/25 10:50	05/06/25 17:03	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		04/30/25 10:50	05/06/25 17:03	1
Thionazin	<10.0		10.0	3.50	ug/L		04/30/25 10:50	05/06/25 17:03	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		04/30/25 10:50	05/06/25 17:03	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		04/30/25 10:50	05/06/25 17:03	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		04/30/25 10:50	05/06/25 17:03	1

Lab Sample ID: MB 310-453201/1-A
Matrix: Water
Analysis Batch: 454001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzilate	<10.0		10.0	3.60	ug/L		04/30/25 10:50	05/07/25 17:28	1

Lab Sample ID: MB 310-453201/1-A
Matrix: Water
Analysis Batch: 454212

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Famphur	<10.0		10.0	3.80	ug/L		04/30/25 10:50	05/09/25 12:45	1

Lab Sample ID: LCS 310-453201/2-A
Matrix: Water
Analysis Batch: 453747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	104.9		ug/L		105	43 - 110
Acenaphthylene	100	89.97		ug/L		90	40 - 110
Acetophenone	100	98.56		ug/L		99	48 - 119
Anthracene	100	94.26		ug/L		94	51 - 120
Benzo[a]anthracene	100	113.5		ug/L		114	51 - 123
Benzo[a]pyrene	100	130.4	*+	ug/L		130	48 - 125
Benzo[b]fluoranthene	100	128.2		ug/L		128	49 - 129
Benzo[g,h,i]perylene	100	125.2		ug/L		125	43 - 139
Benzo[k]fluoranthene	100	114.5		ug/L		115	47 - 130

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-453201/2-A
Matrix: Water
Analysis Batch: 453747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzyl alcohol	100	104.2		ug/L		104	39 - 128
Bis(2-chloroethoxy)methane	100	104.2		ug/L		104	48 - 121
Bis(2-chloroethyl)ether	100	83.38		ug/L		83	43 - 123
bis (2-chloroisopropyl) ether	100	104.5		ug/L		104	34 - 123
Bis(2-ethylhexyl) phthalate	100	139.8		ug/L		140	43 - 143
4-Bromophenyl phenyl ether	100	103.1		ug/L		103	45 - 119
Butyl benzyl phthalate	100	125.6		ug/L		126	46 - 135
4-Chloroaniline	100	90.73		ug/L		91	21 - 139
4-Chloro-3-methylphenol	100	103.0		ug/L		103	49 - 130
2-Chloronaphthalene	100	99.50		ug/L		99	37 - 110
2-Chlorophenol	100	91.98		ug/L		92	44 - 117
4-Chlorophenyl phenyl ether	100	84.66		ug/L		85	44 - 116
Chrysene	100	110.3		ug/L		110	51 - 125
Dibenzo(a,h)anthracene	100	122.6		ug/L		123	38 - 149
Dibenzofuran	100	86.31		ug/L		86	45 - 112
2,4-Dichlorophenol	100	100.9		ug/L		101	41 - 124
2,6-Dichlorophenol	100	89.92		ug/L		90	30 - 130
Diethyl phthalate	100	95.99		ug/L		96	43 - 135
2,4-Dimethylphenol	100	102.8		ug/L		103	31 - 142
Dimethyl phthalate	100	101.6		ug/L		102	43 - 129
Di-n-butyl phthalate	100	107.4		ug/L		107	50 - 133
1,3-Dinitrobenzene	100	120.2		ug/L		120	45 - 138
4,6-Dinitro-2-methylphenol	200	205.9		ug/L		103	22 - 143
2,4-Dinitrophenol	200	117.0		ug/L		59	10 - 138
2,4-Dinitrotoluene	100	92.97		ug/L		93	47 - 137
2,6-Dinitrotoluene	100	107.3		ug/L		107	51 - 130
Di-n-octyl phthalate	100	130.4		ug/L		130	34 - 150
Fluoranthene	100	95.96		ug/L		96	47 - 128
Fluorene	100	78.90		ug/L		79	45 - 119
Hexachlorobenzene	100	93.79		ug/L		94	48 - 119
Hexachlorobutadiene	100	75.43		ug/L		75	32 - 110
Hexachlorocyclopentadiene	100	83.39		ug/L		83	10 - 110
Hexachloroethane	100	69.78		ug/L		70	31 - 110
Indeno[1,2,3-cd]pyrene	100	112.0		ug/L		112	37 - 150
Isophorone	100	103.8		ug/L		104	50 - 125
2-Methylnaphthalene	100	83.25		ug/L		83	33 - 110
2-Methylphenol	100	97.05		ug/L		97	47 - 118
Methylphenol, 3 & 4	100	92.80		ug/L		93	46 - 117
2-Nitroaniline	100	108.6		ug/L		109	50 - 135
3-Nitroaniline	100	108.2		ug/L		108	42 - 139
4-Nitroaniline	100	89.10		ug/L		89	31 - 145
Nitrobenzene	100	97.67		ug/L		98	47 - 116
2-Nitrophenol	100	109.7		ug/L		110	41 - 129
4-Nitrophenol	200	135.2		ug/L		68	18 - 110
N-Nitrosodimethylamine	100	87.33		ug/L		87	37 - 110
N-Nitrosodi-n-propylamine	100	99.43		ug/L		99	45 - 130
N-Nitrosodiphenylamine	100	120.2		ug/L		120	49 - 121
Pentachlorophenol	200	175.4		ug/L		88	26 - 133
Phenanthrene	100	91.35		ug/L		91	51 - 117

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-453201/2-A
Matrix: Water
Analysis Batch: 453747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol	100	71.94		ug/L		72	29 - 110
Pyrene	100	111.6		ug/L		112	48 - 127
1,2,4,5-Tetrachlorobenzene	100	81.33		ug/L		81	36 - 110
2,3,4,6-Tetrachlorophenol	100	102.0		ug/L		102	33 - 134
2,4,5-Trichlorophenol	100	92.35		ug/L		92	35 - 133
2,4,6-Trichlorophenol	100	107.7		ug/L		108	28 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*100*		*39 - 118*
2-Fluorophenol (Surr)	*81*		*25 - 110*
Nitrobenzene-d5 (Surr)	*107*		*45 - 129*
Phenol-d5 (Surr)	*64*		*21 - 110*
Terphenyl-d14 (Surr)	*104*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*99*		*27 - 136*

Lab Sample ID: LCS 310-453201/2-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	99.46		ug/L		99	43 - 110
Acenaphthylene	100	100.6		ug/L		101	40 - 110
Acetophenone	100	99.20		ug/L		99	48 - 119
2-Acetylaminofluorene	51.2	49.48		ug/L		97	35 - 150
4-Aminobiphenyl	51.2	48.39		ug/L		95	24 - 138
Anthracene	100	110.5		ug/L		111	51 - 120
Benzo[a]anthracene	100	108.4		ug/L		108	51 - 123
Benzo[a]pyrene	100	110.5		ug/L		111	48 - 125
Benzo[b]fluoranthene	100	100.1		ug/L		100	49 - 129
Benzo[g,h,i]perylene	100	88.81		ug/L		89	43 - 139
Benzo[k]fluoranthene	100	131.9	*+	ug/L		132	47 - 130
Benzyl alcohol	100	96.62		ug/L		97	39 - 128
Bis(2-chloroethoxy)methane	100	105.0		ug/L		105	48 - 121
Bis(2-chloroethyl)ether	100	92.73		ug/L		93	43 - 123
bis (2-chloroisopropyl) ether	100	95.85		ug/L		96	34 - 123
Bis(2-ethylhexyl) phthalate	100	105.0		ug/L		105	43 - 143
4-Bromophenyl phenyl ether	100	105.4		ug/L		105	45 - 119
Butyl benzyl phthalate	100	120.1		ug/L		120	46 - 135
4-Chloroaniline	100	98.06		ug/L		98	21 - 139
4-Chloro-3-methylphenol	100	115.1		ug/L		115	49 - 130
2-Chloronaphthalene	100	94.54		ug/L		95	37 - 110
2-Chlorophenol	100	97.81		ug/L		98	44 - 117
4-Chlorophenyl phenyl ether	100	98.51		ug/L		99	44 - 116
Chrysene	100	116.5		ug/L		116	51 - 125
Diallate	44.8	58.86		ug/L		131	42 - 141
Dibenzo(a,h)anthracene	100	86.26		ug/L		86	38 - 149
Dibenzofuran	100	100.6		ug/L		101	45 - 112
2,4-Dichlorophenol	100	108.6		ug/L		109	41 - 124

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-453201/2-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dichlorophenol	100	105.6		ug/L		106	30 - 130
Diethyl phthalate	100	110.0		ug/L		110	43 - 135
Dimethoate	44.8	64.96		ug/L		145	51 - 150
7,12-Dimethylbenz(a)anthracene	51.2	57.19		ug/L		112	51 - 129
3,3'-Dimethylbenzidine	51.2	34.36		ug/L		67	10 - 150
2,4-Dimethylphenol	100	99.16		ug/L		99	31 - 142
Dimethyl phthalate	100	110.8		ug/L		111	43 - 129
Di-n-butyl phthalate	100	124.0		ug/L		124	50 - 133
1,3-Dinitrobenzene	100	116.6		ug/L		117	45 - 138
4,6-Dinitro-2-methylphenol	200	212.6		ug/L		106	22 - 143
2,4-Dinitrophenol	200	163.7		ug/L		82	10 - 138
2,4-Dinitrotoluene	100	128.5		ug/L		128	47 - 137
2,6-Dinitrotoluene	100	117.5		ug/L		117	51 - 130
Di-n-octyl phthalate	100	87.30		ug/L		87	34 - 150
Dinoseb	51.2	63.86		ug/L		125	25 - 146
Disulfoton	44.8	51.71		ug/L		115	54 - 131
Ethyl methanesulfonate	51.2	48.99		ug/L		96	48 - 120
Ethyl Parathion	44.8	55.47		ug/L		124	52 - 149
Fluoranthene	100	106.7		ug/L		107	47 - 128
Fluorene	100	102.8		ug/L		103	45 - 119
Hexachlorobenzene	100	105.0		ug/L		105	48 - 119
Hexachlorobutadiene	100	77.19		ug/L		77	32 - 110
Hexachlorocyclopentadiene	100	75.52		ug/L		76	10 - 110
Hexachloroethane	100	66.53		ug/L		67	31 - 110
Hexachloropropene	51.2	17.27		ug/L		34	10 - 110
Indeno[1,2,3-cd]pyrene	100	80.39		ug/L		80	37 - 150
Isodrin	51.2	54.70		ug/L		107	52 - 125
Isophorone	100	107.7		ug/L		108	50 - 125
Methapyrilene	44.8	10.54		ug/L		24	10 - 110
Methyl methanesulfonate	51.2	40.61		ug/L		79	36 - 110
2-Methylnaphthalene	100	89.19		ug/L		89	33 - 110
Methyl parathion	44.8	70.90	*+	ug/L		158	50 - 150
2-Methylphenol	100	95.81		ug/L		96	47 - 118
Methylphenol, 3 & 4	100	97.52		ug/L		98	46 - 117
1,4-Naphthoquinone	51.2	62.75		ug/L		123	37 - 149
1-Naphthylamine	51.2	32.30		ug/L		63	19 - 110
2-Naphthylamine	51.2	47.25		ug/L		92	18 - 127
2-Nitroaniline	100	124.9		ug/L		125	50 - 135
3-Nitroaniline	100	121.4		ug/L		121	42 - 139
4-Nitroaniline	100	111.9		ug/L		112	31 - 145
Nitrobenzene	100	103.1		ug/L		103	47 - 116
5-Nitro-o-toluidine	51.2	63.43		ug/L		124	47 - 145
2-Nitrophenol	100	119.3		ug/L		119	41 - 129
4-Nitrophenol	200	141.7		ug/L		71	18 - 110
N-Nitrosodiethylamine	51.2	51.40		ug/L		100	47 - 138
N-Nitrosodimethylamine	100	87.26		ug/L		87	37 - 110
N-Nitrosodi-n-butylamine	51.2	58.07		ug/L		113	52 - 142
N-Nitrosodi-n-propylamine	100	100.3		ug/L		100	45 - 130
N-Nitrosodiphenylamine	100	112.8		ug/L		113	49 - 121

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-453201/2-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosomethylethylamine	51.2	49.82		ug/L		97	54 - 123
N-Nitrosopiperidine	51.2	55.56		ug/L		109	60 - 127
N-Nitrosopyrrolidine	51.2	55.86		ug/L		109	56 - 143
o,o',o''-Triethylphosphorothioate	44.8	47.19		ug/L		105	45 - 113
o-Toluidine	51.2	44.50		ug/L		87	24 - 142
p-Dimethylamino azobenzene	51.2	67.18		ug/L		131	42 - 138
Pentachlorobenzene	51.2	44.51		ug/L		87	33 - 110
Pentachloronitrobenzene	51.2	58.01		ug/L		113	65 - 127
Pentachlorophenol	200	187.0		ug/L		93	26 - 133
Phenacetin	51.2	60.33		ug/L		118	56 - 146
Phenanthrene	100	105.0		ug/L		105	51 - 117
Phenol	100	72.35		ug/L		72	29 - 110
1,4-phenylenediamine	51.2	9.169	J *-	ug/L		18	20 - 120
Phorate	44.8	51.61		ug/L		115	57 - 135
Pronamide	51.2	60.14		ug/L		117	61 - 144
Pyrene	100	113.3		ug/L		113	48 - 127
Safrole	44.8	46.98		ug/L		105	34 - 110
1,2,4,5-Tetrachlorobenzene	100	86.02		ug/L		86	36 - 110
2,3,4,6-Tetrachlorophenol	100	109.9		ug/L		110	33 - 134
Thionazin	44.8	55.60		ug/L		124	52 - 147
2,4,5-Trichlorophenol	100	108.6		ug/L		109	35 - 133
2,4,6-Trichlorophenol	100	113.1		ug/L		113	28 - 139
1,3,5-Trinitrobenzene	51.2	60.24		ug/L		118	39 - 144

Lab Sample ID: LCS 310-453201/2-A
Matrix: Water
Analysis Batch: 454001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzilate	51.2	35.60		ug/L		70	52 - 138

Lab Sample ID: LCS 310-453201/2-A
Matrix: Water
Analysis Batch: 454212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Famphur	44.8	42.83		ug/L		96	44 - 150

Lab Sample ID: LCSD 310-453201/3-A
Matrix: Water
Analysis Batch: 453747

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453201

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	100	86.81		ug/L		87	43 - 110	19	35
Acenaphthylene	100	76.60		ug/L		77	40 - 110	16	35
Acetophenone	100	86.65		ug/L		87	48 - 119	13	35
Anthracene	100	80.16		ug/L		80	51 - 120	16	35
Benzo[a]anthracene	100	94.32		ug/L		94	51 - 123	18	35
Benzo[a]pyrene	100	108.4		ug/L		108	48 - 125	18	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-453201/3-A
Matrix: Water
Analysis Batch: 453747

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453201

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[b]fluoranthene	100	108.0		ug/L		108	49 - 129	17	35
Benzo[g,h,i]perylene	100	99.94		ug/L		100	43 - 139	22	35
Benzo[k]fluoranthene	100	95.91		ug/L		96	47 - 130	18	35
Benzyl alcohol	100	88.12		ug/L		88	39 - 128	17	35
Bis(2-chloroethoxy)methane	100	86.91		ug/L		87	48 - 121	18	35
Bis(2-chloroethyl)ether	100	70.77		ug/L		71	43 - 123	16	35
bis (2-chloroisopropyl) ether	100	87.98		ug/L		88	34 - 123	17	35
Bis(2-ethylhexyl) phthalate	100	120.5		ug/L		120	43 - 143	15	35
4-Bromophenyl phenyl ether	100	87.09		ug/L		87	45 - 119	17	35
Butyl benzyl phthalate	100	105.1		ug/L		105	46 - 135	18	35
4-Chloroaniline	100	74.94		ug/L		75	21 - 139	19	35
4-Chloro-3-methylphenol	100	83.97		ug/L		84	49 - 130	20	35
2-Chloronaphthalene	100	83.64		ug/L		84	37 - 110	17	35
2-Chlorophenol	100	79.94		ug/L		80	44 - 117	14	35
4-Chlorophenyl phenyl ether	100	75.76		ug/L		76	44 - 116	11	35
Chrysene	100	90.83		ug/L		91	51 - 125	19	35
Dibenzo(a,h)anthracene	100	101.6		ug/L		102	38 - 149	19	35
Dibenzofuran	100	74.78		ug/L		75	45 - 112	14	35
2,4-Dichlorophenol	100	84.41		ug/L		84	41 - 124	18	35
2,6-Dichlorophenol	100	77.00		ug/L		77	30 - 130	15	35
Diethyl phthalate	100	81.66		ug/L		82	43 - 135	16	35
2,4-Dimethylphenol	100	82.17		ug/L		82	31 - 142	22	35
Dimethyl phthalate	100	87.68		ug/L		88	43 - 129	15	35
Di-n-butyl phthalate	100	93.40		ug/L		93	50 - 133	14	35
1,3-Dinitrobenzene	100	99.79		ug/L		100	45 - 138	19	35
4,6-Dinitro-2-methylphenol	200	182.7		ug/L		91	22 - 143	12	35
2,4-Dinitrophenol	200	106.9		ug/L		53	10 - 138	9	35
2,4-Dinitrotoluene	100	79.96		ug/L		80	47 - 137	15	35
2,6-Dinitrotoluene	100	90.61		ug/L		91	51 - 130	17	35
Di-n-octyl phthalate	100	113.9		ug/L		114	34 - 150	14	35
Fluoranthene	100	85.59		ug/L		86	47 - 128	11	35
Fluorene	100	68.89		ug/L		69	45 - 119	14	35
Hexachlorobenzene	100	83.28		ug/L		83	48 - 119	12	35
Hexachlorobutadiene	100	63.25		ug/L		63	32 - 110	18	35
Hexachlorocyclopentadiene	100	69.78		ug/L		70	10 - 110	18	35
Hexachloroethane	100	61.99		ug/L		62	31 - 110	12	35
Indeno[1,2,3-cd]pyrene	100	86.63		ug/L		87	37 - 150	26	35
Isophorone	100	86.56		ug/L		87	50 - 125	18	35
2-Methylnaphthalene	100	69.23		ug/L		69	33 - 110	18	35
2-Methylphenol	100	85.15		ug/L		85	47 - 118	13	35
Methylphenol, 3 & 4	100	82.11		ug/L		82	46 - 117	12	35
2-Nitroaniline	100	95.88		ug/L		96	50 - 135	12	35
3-Nitroaniline	100	94.16		ug/L		94	42 - 139	14	35
4-Nitroaniline	100	75.53		ug/L		76	31 - 145	16	35
Nitrobenzene	100	81.44		ug/L		81	47 - 116	18	35
2-Nitrophenol	100	90.61		ug/L		91	41 - 129	19	35
4-Nitrophenol	200	115.2		ug/L		58	18 - 110	16	35
N-Nitrosodimethylamine	100	74.87		ug/L		75	37 - 110	15	35
N-Nitrosodi-n-propylamine	100	86.30		ug/L		86	45 - 130	14	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-453201/3-A
Matrix: Water
Analysis Batch: 453747

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453201

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-Nitrosodiphenylamine			100	100.9		ug/L		101	49 - 121	17	35
Pentachlorophenol			200	154.5		ug/L		77	26 - 133	13	35
Phenanthrene			100	78.93		ug/L		79	51 - 117	15	35
Phenol			100	64.32		ug/L		64	29 - 110	11	35
Pyrene			100	93.18		ug/L		93	48 - 127	18	35
1,2,4,5-Tetrachlorobenzene			100	68.46		ug/L		68	36 - 110	17	35
2,3,4,6-Tetrachlorophenol			100	89.29		ug/L		89	33 - 134	13	35
2,4,5-Trichlorophenol			100	79.72		ug/L		80	35 - 133	15	35
2,4,6-Trichlorophenol			100	91.76		ug/L		92	28 - 139	16	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*80*		*39 - 118*
2-Fluorophenol (Surr)	*69*		*25 - 110*
Nitrobenzene-d5 (Surr)	*86*		*45 - 129*
Phenol-d5 (Surr)	*55*		*21 - 110*
Terphenyl-d14 (Surr)	*88*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*83*		*27 - 136*

Lab Sample ID: LCSD 310-453201/3-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453201

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			100	82.60		ug/L		83	43 - 110	19	35
Acenaphthylene			100	83.49		ug/L		83	40 - 110	19	35
Acetophenone			100	83.36		ug/L		83	48 - 119	17	35
2-Acetylaminofluorene			51.2	39.72		ug/L		78	35 - 150	22	28
4-Aminobiphenyl			51.2	40.55		ug/L		79	24 - 138	18	35
Anthracene			100	89.78		ug/L		90	51 - 120	21	35
Benzo[a]anthracene			100	90.75		ug/L		91	51 - 123	18	35
Benzo[a]pyrene			100	83.31		ug/L		83	48 - 125	28	35
Benzo[b]fluoranthene			100	80.18		ug/L		80	49 - 129	22	35
Benzo[g,h,i]perylene			100	69.46		ug/L		69	43 - 139	24	35
Benzo[k]fluoranthene			100	97.87		ug/L		98	47 - 130	30	35
Benzyl alcohol			100	82.50		ug/L		83	39 - 128	16	35
Bis(2-chloroethoxy)methane			100	91.05		ug/L		91	48 - 121	14	35
Bis(2-chloroethyl)ether			100	77.78		ug/L		78	43 - 123	18	35
bis (2-chloroisopropyl) ether			100	80.46		ug/L		80	34 - 123	17	35
Bis(2-ethylhexyl) phthalate			100	89.63		ug/L		90	43 - 143	16	35
4-Bromophenyl phenyl ether			100	86.71		ug/L		87	45 - 119	19	35
Butyl benzyl phthalate			100	97.76		ug/L		98	46 - 135	21	35
4-Chloroaniline			100	84.67		ug/L		85	21 - 139	15	35
4-Chloro-3-methylphenol			100	96.02		ug/L		96	49 - 130	18	35
2-Chloronaphthalene			100	80.02		ug/L		80	37 - 110	17	35
2-Chlorophenol			100	83.37		ug/L		83	44 - 117	16	35
4-Chlorophenyl phenyl ether			100	83.54		ug/L		84	44 - 116	16	35
Chrysene			100	93.78		ug/L		94	51 - 125	22	35
Diallate			44.8	48.98		ug/L		109	42 - 141	18	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-453201/3-A
Matrix: Water
Analysis Batch: 453792

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453201

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenzo(a,h)anthracene	100	65.90		ug/L		66	38 - 149	27	35
Dibenzofuran	100	83.46		ug/L		83	45 - 112	19	35
2,4-Dichlorophenol	100	91.11		ug/L		91	41 - 124	18	35
2,6-Dichlorophenol	100	89.22		ug/L		89	30 - 130	17	35
Diethyl phthalate	100	93.85		ug/L		94	43 - 135	16	35
Dimethoate	44.8	52.87		ug/L		118	51 - 150	21	26
7,12-Dimethylbenz(a)anthracene	51.2	44.16		ug/L		86	51 - 129	26	28
3,3'-Dimethylbenzidine	51.2	26.00		ug/L		51	10 - 150	28	35
2,4-Dimethylphenol	100	86.37		ug/L		86	31 - 142	14	35
Dimethyl phthalate	100	93.27		ug/L		93	43 - 129	17	35
Di-n-butyl phthalate	100	101.6		ug/L		102	50 - 133	20	35
1,3-Dinitrobenzene	100	101.7		ug/L		102	45 - 138	14	35
4,6-Dinitro-2-methylphenol	200	176.4		ug/L		88	22 - 143	19	35
2,4-Dinitrophenol	200	131.7		ug/L		66	10 - 138	22	35
2,4-Dinitrotoluene	100	107.8		ug/L		108	47 - 137	18	35
2,6-Dinitrotoluene	100	102.3		ug/L		102	51 - 130	14	35
Di-n-octyl phthalate	100	62.39		ug/L		62	34 - 150	33	35
Dinoseb	51.2	53.44		ug/L		104	25 - 146	18	35
Disulfoton	44.8	41.19		ug/L		92	54 - 131	23	24
Ethyl methanesulfonate	51.2	41.29		ug/L		81	48 - 120	17	27
Ethyl Parathion	44.8	46.65		ug/L		104	52 - 149	17	26
Fluoranthene	100	88.53		ug/L		89	47 - 128	19	35
Fluorene	100	86.77		ug/L		87	45 - 119	17	35
Hexachlorobenzene	100	88.67		ug/L		89	48 - 119	17	35
Hexachlorobutadiene	100	66.40		ug/L		66	32 - 110	15	35
Hexachlorocyclopentadiene	100	64.87		ug/L		65	10 - 110	15	35
Hexachloroethane	100	59.26		ug/L		59	31 - 110	12	35
Hexachloropropene	51.2	15.06		ug/L		29	10 - 110	14	35
Indeno[1,2,3-cd]pyrene	100	56.01	*1	ug/L		56	37 - 150	36	35
Isodrin	51.2	43.02		ug/L		84	52 - 125	24	26
Isophorone	100	91.42		ug/L		91	50 - 125	16	35
Methapyrilene	44.8	10.84		ug/L		24	10 - 110	3	35
Methyl methanesulfonate	51.2	33.93		ug/L		66	36 - 110	18	26
2-Methylnaphthalene	100	74.47		ug/L		74	33 - 110	18	35
Methyl parathion	44.8	56.80		ug/L		127	50 - 150	22	25
2-Methylphenol	100	80.55		ug/L		81	47 - 118	17	35
Methylphenol, 3 & 4	100	82.06		ug/L		82	46 - 117	17	35
1,4-Naphthoquinone	51.2	52.90		ug/L		103	37 - 149	17	29
1-Naphthylamine	51.2	26.73		ug/L		52	19 - 110	19	35
2-Naphthylamine	51.2	40.58		ug/L		79	18 - 127	15	35
2-Nitroaniline	100	105.5		ug/L		105	50 - 135	17	35
3-Nitroaniline	100	101.4		ug/L		101	42 - 139	18	35
4-Nitroaniline	100	94.70		ug/L		95	31 - 145	17	35
Nitrobenzene	100	85.08		ug/L		85	47 - 116	19	35
5-Nitro-o-toluidine	51.2	52.85		ug/L		103	47 - 145	18	31
2-Nitrophenol	100	101.4		ug/L		101	41 - 129	16	35
4-Nitrophenol	200	121.5		ug/L		61	18 - 110	15	35
N-Nitrosodiethylamine	51.2	42.86		ug/L		84	47 - 138	18	26
N-Nitrosodimethylamine	100	73.49		ug/L		73	37 - 110	17	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-453201/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453792
Prep Batch: 453201

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-Nitrosodi-n-butylamine			51.2	49.52		ug/L		97	52 - 142	16	27
N-Nitrosodi-n-propylamine			100	84.73		ug/L		85	45 - 130	17	35
N-Nitrosodiphenylamine			100	93.40		ug/L		93	49 - 121	19	35
N-Nitrosomethylethylamine			51.2	43.63		ug/L		85	54 - 123	13	26
N-Nitrosopiperidine			51.2	48.02		ug/L		94	60 - 127	15	26
N-Nitrosopyrrolidine			51.2	48.43		ug/L		95	56 - 143	14	25
o,o',o''-Triethylphosphorothioate			44.8	39.23		ug/L		88	45 - 113	18	33
o-Toluidine			51.2	37.58		ug/L		73	24 - 142	17	35
p-Dimethylamino azobenzene			51.2	54.27		ug/L		106	42 - 138	21	29
Pentachlorobenzene			51.2	38.91		ug/L		76	33 - 110	13	35
Pentachloronitrobenzene			51.2	45.29		ug/L		88	65 - 127	25	29
Pentachlorophenol			200	153.1		ug/L		77	26 - 133	20	35
Phenacetin			51.2	46.69		ug/L		91	56 - 146	25	25
Phenanthrene			100	89.36		ug/L		89	51 - 117	16	35
Phenol			100	62.51		ug/L		63	29 - 110	15	35
1,4-phenylenediamine			51.2	<10.0	*- *1	ug/L		-1	20 - 120	228	35
Phorate			44.8	43.43		ug/L		97	57 - 135	17	26
Pronamide			51.2	48.07		ug/L		94	61 - 144	22	27
Pyrene			100	96.40		ug/L		96	48 - 127	16	35
Safrole			44.8	39.79		ug/L		89	34 - 110	17	35
1,2,4,5-Tetrachlorobenzene			100	75.73		ug/L		76	36 - 110	13	35
2,3,4,6-Tetrachlorophenol			100	86.24		ug/L		86	33 - 134	24	35
Thionazin			44.8	46.46		ug/L		104	52 - 147	18	28
2,4,5-Trichlorophenol			100	92.10		ug/L		92	35 - 133	16	35
2,4,6-Trichlorophenol			100	94.31		ug/L		94	28 - 139	18	35
1,3,5-Trinitrobenzene			51.2	48.84		ug/L		95	39 - 144	21	35

Lab Sample ID: LCSD 310-453201/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454001
Prep Batch: 453201

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorobenzilate			51.2	28.37		ug/L		55	52 - 138	23	28

Lab Sample ID: LCSD 310-453201/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454212
Prep Batch: 453201

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Famphur			44.8	36.44		ug/L		81	44 - 150	16	35

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Lab Sample ID: MB 310-453479/4
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453479

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/02/25 09:43	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/02/25 09:43	1

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Lab Sample ID: LCS 310-453479/5
Matrix: Water
Analysis Batch: 453479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetonitrile	53.1	56.95		mg/L		107	67 - 131
Isobutanol	48.4	53.74		mg/L		111	80 - 120

Lab Sample ID: LCSD 310-453479/6
Matrix: Water
Analysis Batch: 453479

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetonitrile	53.1	58.95		mg/L		111	67 - 131	3	20
Isobutanol	48.4	54.42		mg/L		112	80 - 120	1	20

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 310-453170/1-A
Matrix: Water
Analysis Batch: 453474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0992		0.0992	0.0248	ug/L		04/30/25 08:47	05/02/25 12:11	1
4,4'-DDE	<0.0992		0.0992	0.0297	ug/L		04/30/25 08:47	05/02/25 12:11	1
4,4'-DDT	<0.0992		0.0992	0.0198	ug/L		04/30/25 08:47	05/02/25 12:11	1
Aldrin	<0.0992		0.0992	0.0218	ug/L		04/30/25 08:47	05/02/25 12:11	1
alpha-BHC	<0.0992		0.0992	0.00992	ug/L		04/30/25 08:47	05/02/25 12:11	1
beta-BHC	<0.0992		0.0992	0.0416	ug/L		04/30/25 08:47	05/02/25 12:11	1
Chlordane (technical)	<1.98		1.98	0.387	ug/L		04/30/25 08:47	05/02/25 12:11	1
delta-BHC	<0.0992		0.0992	0.0317	ug/L		04/30/25 08:47	05/02/25 12:11	1
Dieldrin	<0.0992		0.0992	0.0208	ug/L		04/30/25 08:47	05/02/25 12:11	1
Endosulfan I	<0.0992		0.0992	0.0278	ug/L		04/30/25 08:47	05/02/25 12:11	1
Endosulfan II	<0.0992		0.0992	0.0258	ug/L		04/30/25 08:47	05/02/25 12:11	1
Endosulfan sulfate	<0.0992		0.0992	0.0178	ug/L		04/30/25 08:47	05/02/25 12:11	1
Endrin	<0.0992		0.0992	0.0278	ug/L		04/30/25 08:47	05/02/25 12:11	1
Endrin aldehyde	<0.0992		0.0992	0.0268	ug/L		04/30/25 08:47	05/02/25 12:11	1
gamma-BHC (Lindane)	<0.0992		0.0992	0.00992	ug/L		04/30/25 08:47	05/02/25 12:11	1
Heptachlor	<0.0992		0.0992	0.0228	ug/L		04/30/25 08:47	05/02/25 12:11	1
Heptachlor epoxide	<0.0992		0.0992	0.0317	ug/L		04/30/25 08:47	05/02/25 12:11	1
Methoxychlor	<0.0992		0.0992	0.0317	ug/L		04/30/25 08:47	05/02/25 12:11	1
Toxaphene	<1.98		1.98	0.992	ug/L		04/30/25 08:47	05/02/25 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*25*		*10 - 150*	*04/30/25 08:47*	*05/02/25 12:11*	*1*
Tetrachloro-m-xylene	*46*		*17 - 150*	*04/30/25 08:47*	*05/02/25 12:11*	*1*

Lab Sample ID: LCS 310-453170/2-A
Matrix: Water
Analysis Batch: 453474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.79	1.491		ug/L		54	28 - 150
4,4'-DDE	2.79	1.712		ug/L		61	10 - 150

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 310-453170/2-A
Matrix: Water
Analysis Batch: 453474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDT	2.79	1.548		ug/L		56	10 - 150
Aldrin	2.79	1.126		ug/L		40	10 - 146
alpha-BHC	2.79	2.062		ug/L		74	57 - 149
beta-BHC	2.79	1.869		ug/L		67	53 - 145
delta-BHC	2.79	1.960		ug/L		70	49 - 148
Dieldrin	2.79	1.946		ug/L		70	43 - 150
Endosulfan I	2.79	1.096		ug/L		39	26 - 133
Endosulfan II	2.79	1.233		ug/L		44	38 - 139
Endosulfan sulfate	2.79	1.846		ug/L		66	54 - 150
Endrin	2.79	1.821		ug/L		65	41 - 150
Endrin aldehyde	2.79	1.387		ug/L		50	42 - 147
gamma-BHC (Lindane)	2.79	2.076		ug/L		75	57 - 150
Heptachlor	2.79	1.438		ug/L		52	16 - 135
Heptachlor epoxide	2.79	2.105		ug/L		76	49 - 150
Methoxychlor	2.79	1.492	p	ug/L		54	16 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*31*		*10 - 150*
Tetrachloro-m-xylene	*57*		*17 - 150*

Lab Sample ID: LB 310-452894/1-E
Matrix: Water
Analysis Batch: 453587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453384

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0967		0.0967	0.0242	ug/L		05/01/25 12:27	05/03/25 16:58	1
4,4'-DDE	<0.0967		0.0967	0.0290	ug/L		05/01/25 12:27	05/03/25 16:58	1
4,4'-DDT	<0.0967		0.0967	0.0193	ug/L		05/01/25 12:27	05/03/25 16:58	1
Aldrin	<0.0967		0.0967	0.0213	ug/L		05/01/25 12:27	05/03/25 16:58	1
alpha-BHC	<0.0967		0.0967	0.00967	ug/L		05/01/25 12:27	05/03/25 16:58	1
beta-BHC	<0.0967		0.0967	0.0406	ug/L		05/01/25 12:27	05/03/25 16:58	1
Chlordane (technical)	<1.93		1.93	0.377	ug/L		05/01/25 12:27	05/03/25 16:58	1
delta-BHC	<0.0967		0.0967	0.0309	ug/L		05/01/25 12:27	05/03/25 16:58	1
Dieldrin	<0.0967		0.0967	0.0203	ug/L		05/01/25 12:27	05/03/25 16:58	1
Endosulfan I	<0.0967		0.0967	0.0271	ug/L		05/01/25 12:27	05/03/25 16:58	1
Endosulfan II	<0.0967		0.0967	0.0251	ug/L		05/01/25 12:27	05/03/25 16:58	1
Endosulfan sulfate	<0.0967		0.0967	0.0174	ug/L		05/01/25 12:27	05/03/25 16:58	1
Endrin	<0.0967		0.0967	0.0271	ug/L		05/01/25 12:27	05/03/25 16:58	1
Endrin aldehyde	<0.0967		0.0967	0.0261	ug/L		05/01/25 12:27	05/03/25 16:58	1
gamma-BHC (Lindane)	<0.0967		0.0967	0.00967	ug/L		05/01/25 12:27	05/03/25 16:58	1
Heptachlor	<0.0967		0.0967	0.0222	ug/L		05/01/25 12:27	05/03/25 16:58	1
Heptachlor epoxide	<0.0967		0.0967	0.0309	ug/L		05/01/25 12:27	05/03/25 16:58	1
Methoxychlor	<0.0967		0.0967	0.0309	ug/L		05/01/25 12:27	05/03/25 16:58	1
Toxaphene	<1.93		1.93	0.967	ug/L		05/01/25 12:27	05/03/25 16:58	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*59*		*10 - 150*	*05/01/25 12:27*	*05/03/25 16:58*	*1*
Tetrachloro-m-xylene	*63*		*17 - 150*	*05/01/25 12:27*	*05/03/25 16:58*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 310-453384/1-A
Matrix: Water
Analysis Batch: 453587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0989		0.0989	0.0247	ug/L		05/01/25 12:27	05/03/25 16:45	1
4,4'-DDE	<0.0989		0.0989	0.0297	ug/L		05/01/25 12:27	05/03/25 16:45	1
4,4'-DDT	<0.0989		0.0989	0.0198	ug/L		05/01/25 12:27	05/03/25 16:45	1
Aldrin	<0.0989		0.0989	0.0218	ug/L		05/01/25 12:27	05/03/25 16:45	1
alpha-BHC	<0.0989		0.0989	0.00989	ug/L		05/01/25 12:27	05/03/25 16:45	1
beta-BHC	<0.0989		0.0989	0.0415	ug/L		05/01/25 12:27	05/03/25 16:45	1
Chlordane (technical)	<1.98		1.98	0.386	ug/L		05/01/25 12:27	05/03/25 16:45	1
delta-BHC	<0.0989		0.0989	0.0316	ug/L		05/01/25 12:27	05/03/25 16:45	1
Dieldrin	<0.0989		0.0989	0.0208	ug/L		05/01/25 12:27	05/03/25 16:45	1
Endosulfan I	<0.0989		0.0989	0.0277	ug/L		05/01/25 12:27	05/03/25 16:45	1
Endosulfan II	<0.0989		0.0989	0.0257	ug/L		05/01/25 12:27	05/03/25 16:45	1
Endosulfan sulfate	<0.0989		0.0989	0.0178	ug/L		05/01/25 12:27	05/03/25 16:45	1
Endrin	<0.0989		0.0989	0.0277	ug/L		05/01/25 12:27	05/03/25 16:45	1
Endrin aldehyde	<0.0989		0.0989	0.0267	ug/L		05/01/25 12:27	05/03/25 16:45	1
gamma-BHC (Lindane)	<0.0989		0.0989	0.00989	ug/L		05/01/25 12:27	05/03/25 16:45	1
Heptachlor	<0.0989		0.0989	0.0227	ug/L		05/01/25 12:27	05/03/25 16:45	1
Heptachlor epoxide	<0.0989		0.0989	0.0316	ug/L		05/01/25 12:27	05/03/25 16:45	1
Methoxychlor	<0.0989		0.0989	0.0316	ug/L		05/01/25 12:27	05/03/25 16:45	1
Toxaphene	<1.98		1.98	0.989	ug/L		05/01/25 12:27	05/03/25 16:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*56*		*10 - 150*	*05/01/25 12:27*	*05/03/25 16:45*	*1*
Tetrachloro-m-xylene	*49*		*17 - 150*	*05/01/25 12:27*	*05/03/25 16:45*	*1*

Lab Sample ID: LCS 310-453384/30-A
Matrix: Water
Analysis Batch: 453587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.78	2.993		ug/L		108	28 - 150
4,4'-DDE	2.78	2.728		ug/L		98	10 - 150
4,4'-DDT	2.78	2.268		ug/L		82	10 - 150
Aldrin	2.78	1.924		ug/L		69	10 - 146
alpha-BHC	2.78	2.732		ug/L		98	57 - 149
beta-BHC	2.78	2.524		ug/L		91	53 - 145
delta-BHC	2.78	2.469		ug/L		89	49 - 148
Dieldrin	2.78	2.797		ug/L		101	43 - 150
Endosulfan I	2.78	1.819		ug/L		65	26 - 133
Endosulfan II	2.78	2.154		ug/L		78	38 - 139
Endosulfan sulfate	2.78	3.105		ug/L		112	54 - 150
Endrin	2.78	2.990		ug/L		108	41 - 150
Endrin aldehyde	2.78	2.881		ug/L		104	42 - 147
gamma-BHC (Lindane)	2.78	2.788		ug/L		100	57 - 150
Heptachlor	2.78	2.103		ug/L		76	16 - 135
Heptachlor epoxide	2.78	2.937		ug/L		106	49 - 150
Methoxychlor	2.78	2.943		ug/L		106	16 - 150

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 310-453384/30-A
Matrix: Water
Analysis Batch: 453587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453384

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	2	S1-	10 - 150
Tetrachloro-m-xylene	0.1	S1- p	17 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 310-453170/1-A
Matrix: Water
Analysis Batch: 453472

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.98		1.98	0.813	ug/L		04/30/25 08:47	05/02/25 12:11	1
PCB-1221	<1.98		1.98	0.813	ug/L		04/30/25 08:47	05/02/25 12:11	1
PCB-1232	<1.98		1.98	0.813	ug/L		04/30/25 08:47	05/02/25 12:11	1
PCB-1242	<1.98		1.98	0.813	ug/L		04/30/25 08:47	05/02/25 12:11	1
PCB-1248	<1.98		1.98	0.684	ug/L		04/30/25 08:47	05/02/25 12:11	1
PCB-1254	<1.98		1.98	0.684	ug/L		04/30/25 08:47	05/02/25 12:11	1
PCB-1260	<1.98		1.98	0.684	ug/L		04/30/25 08:47	05/02/25 12:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	28		10 - 150	04/30/25 08:47	05/02/25 12:11	1
Tetrachloro-m-xylene	47		17 - 150	04/30/25 08:47	05/02/25 12:11	1

Lab Sample ID: LCS 310-453170/25-A
Matrix: Water
Analysis Batch: 453472

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	27.8	20.67		ug/L		74	25 - 150
PCB-1260	27.8	20.42		ug/L		74	14 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	36		10 - 150
Tetrachloro-m-xylene	33		17 - 150

Lab Sample ID: LB 310-452494/1-E
Matrix: Water
Analysis Batch: 453585

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453384

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.95		1.95	0.799	ug/L		05/01/25 12:27	05/03/25 18:55	1
PCB-1221	<1.95		1.95	0.799	ug/L		05/01/25 12:27	05/03/25 18:55	1
PCB-1232	<1.95		1.95	0.799	ug/L		05/01/25 12:27	05/03/25 18:55	1
PCB-1242	<1.95		1.95	0.799	ug/L		05/01/25 12:27	05/03/25 18:55	1
PCB-1248	<1.95		1.95	0.673	ug/L		05/01/25 12:27	05/03/25 18:55	1
PCB-1254	<1.95		1.95	0.673	ug/L		05/01/25 12:27	05/03/25 18:55	1
PCB-1260	<1.95		1.95	0.673	ug/L		05/01/25 12:27	05/03/25 18:55	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LB 310-452494/1-E
Matrix: Water
Analysis Batch: 453585

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453384

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	64		10 - 150	05/01/25 12:27	05/03/25 18:55	1
Tetrachloro-m-xylene	56		17 - 150	05/01/25 12:27	05/03/25 18:55	1

Lab Sample ID: MB 310-453384/1-A
Matrix: Water
Analysis Batch: 453585

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.98		1.98	0.811	ug/L		05/01/25 12:27	05/03/25 16:45	1
PCB-1221	<1.98		1.98	0.811	ug/L		05/01/25 12:27	05/03/25 16:45	1
PCB-1232	<1.98		1.98	0.811	ug/L		05/01/25 12:27	05/03/25 16:45	1
PCB-1242	<1.98		1.98	0.811	ug/L		05/01/25 12:27	05/03/25 16:45	1
PCB-1248	<1.98		1.98	0.682	ug/L		05/01/25 12:27	05/03/25 16:45	1
PCB-1254	<1.98		1.98	0.682	ug/L		05/01/25 12:27	05/03/25 16:45	1
PCB-1260	<1.98		1.98	0.682	ug/L		05/01/25 12:27	05/03/25 16:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	56		10 - 150	05/01/25 12:27	05/03/25 16:45	1
Tetrachloro-m-xylene	49		17 - 150	05/01/25 12:27	05/03/25 16:45	1

Lab Sample ID: LCS 310-453384/11-A
Matrix: Water
Analysis Batch: 453585

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	28.1	23.14		ug/L		82	25 - 150
PCB-1260	28.1	24.37		ug/L		87	14 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	2	S1-	10 - 150
Tetrachloro-m-xylene	0.3	S1- p	17 - 150

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-638965/1-A
Matrix: Water
Analysis Batch: 639091

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638965

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.600		0.600	0.250	ug/L		05/02/25 15:51	05/03/25 07:19	1
Silvex (2,4,5-TP)	<0.0500		0.0500	0.0220	ug/L		05/02/25 15:51	05/03/25 07:19	1
2,4,5-T	<0.150		0.150	0.0650	ug/L		05/02/25 15:51	05/03/25 07:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	67		34 - 142	05/02/25 15:51	05/03/25 07:19	1
DCAA	62		34 - 142	05/02/25 15:51	05/03/25 07:19	1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 410-638965/2-A
Matrix: Water
Analysis Batch: 639091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638965

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-D			2.00	0.9915	*-	ug/L		50	53 - 159		
2,4,5-T			0.400	0.2107	*-	ug/L		53	57 - 171		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA	*49*		*34 - 142*
DCAA	*51*		*34 - 142*

Lab Sample ID: LCSD 410-638965/3-A
Matrix: Water
Analysis Batch: 639091

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 638965

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D			2.00	1.331		ug/L		67	53 - 159	29	30
2,4,5-T			0.400	0.2974	*1	ug/L		74	57 - 171	34	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCAA	*67*		*34 - 142*
DCAA	*62*		*34 - 142*

Method: 8151A - Herbicides (GC) - DL

Lab Sample ID: LCS 410-638965/2-A
Matrix: Water
Analysis Batch: 639091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638965

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silvex (2,4,5-TP) - DL			4.01	1.799	*-	ug/L		45	62 - 170		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA - DL	*61*		*34 - 142*
DCAA - DL	*61*		*34 - 142*

Lab Sample ID: LCSD 410-638965/3-A
Matrix: Water
Analysis Batch: 639091

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 638965

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silvex (2,4,5-TP) - DL			4.01	2.605	*1	ug/L		65	62 - 170	37	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCAA - DL	*85*		*34 - 142*
DCAA - DL	*83*		*34 - 142*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-453232/3
Matrix: Water
Analysis Batch: 453232

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200		0.200	0.0780	mg/L			04/29/25 10:19	1

Lab Sample ID: LCS 310-453232/4
Matrix: Water
Analysis Batch: 453232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.00	2.053		mg/L		103	90 - 110

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-453420/1-A
Matrix: Water
Analysis Batch: 454358

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453420

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/09/25 16:30	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/02/25 09:00	05/09/25 16:30	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/02/25 09:00	05/09/25 16:30	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/09/25 16:30	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/09/25 16:30	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/09/25 16:30	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/09/25 16:30	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/09/25 16:30	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/09/25 16:30	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/09/25 16:30	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/09/25 16:30	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/09/25 16:30	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/09/25 16:30	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/09/25 16:30	1
Tin	<0.00500	^+	0.00500	0.00250	mg/L		05/02/25 09:00	05/09/25 16:30	1
Iron	<0.100		0.100	0.0500	mg/L		05/02/25 09:00	05/09/25 16:30	1
Manganese	<0.0100		0.0100	0.00360	mg/L		05/02/25 09:00	05/09/25 16:30	1

Lab Sample ID: MB 310-453420/1-A
Matrix: Water
Analysis Batch: 454361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453420

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/10/25 14:38	1

Lab Sample ID: LCS 310-453420/2-A
Matrix: Water
Analysis Batch: 454358

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453420

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.1921		mg/L		96	80 - 120
Arsenic	0.200	0.1912		mg/L		96	80 - 120
Barium	0.100	0.09692		mg/L		97	80 - 120
Beryllium	0.100	0.08875		mg/L		89	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 310-453420/2-A
Matrix: Water
Analysis Batch: 454358

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453420

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.100	0.09382		mg/L		94	80 - 120
Chromium	0.100	0.09320		mg/L		93	80 - 120
Cobalt	0.100	0.09812		mg/L		98	80 - 120
Copper	0.200	0.1874		mg/L		94	80 - 120
Lead	0.200	0.2069		mg/L		103	80 - 120
Selenium	0.400	0.3638		mg/L		91	80 - 120
Silver	0.100	0.1103		mg/L		110	80 - 120
Thallium	0.100	0.08426		mg/L		84	80 - 120
Vanadium	0.100	0.09483		mg/L		95	80 - 120
Zinc	0.200	0.1726		mg/L		86	80 - 120
Tin	0.200	0.2023	^+	mg/L		101	80 - 120
Iron	0.200	0.1991		mg/L		100	80 - 120
Manganese	0.100	0.09438		mg/L		94	80 - 120

Lab Sample ID: LCS 310-453420/2-A
Matrix: Water
Analysis Batch: 454361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453420

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	0.200	0.1911		mg/L		96	80 - 120

Lab Sample ID: MB 310-453421/1-A
Matrix: Water
Analysis Batch: 454358

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453421

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/09/25 15:18	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/02/25 09:00	05/09/25 15:18	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/02/25 09:00	05/09/25 15:18	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/09/25 15:18	1
Cadmium	0.0001020	J	0.000200	0.000100	mg/L		05/02/25 09:00	05/09/25 15:18	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/09/25 15:18	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/09/25 15:18	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/09/25 15:18	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/09/25 15:18	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/09/25 15:18	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/09/25 15:18	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/09/25 15:18	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/09/25 15:18	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/09/25 15:18	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/09/25 15:18	1
Iron	<0.100		0.100	0.0500	mg/L		05/02/25 09:00	05/09/25 15:18	1
Manganese	<0.0100		0.0100	0.00360	mg/L		05/02/25 09:00	05/09/25 15:18	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-453421/1-A
Matrix: Water
Analysis Batch: 454361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453421

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/10/25 15:50	1

Lab Sample ID: LCS 310-453421/2-A
Matrix: Water
Analysis Batch: 454358

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453421

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2022		mg/L		101	80 - 120
Arsenic	0.200	0.2005		mg/L		100	80 - 120
Barium	0.100	0.1013		mg/L		101	80 - 120
Beryllium	0.100	0.09332		mg/L		93	80 - 120
Cadmium	0.100	0.09881		mg/L		99	80 - 120
Chromium	0.100	0.09711		mg/L		97	80 - 120
Cobalt	0.100	0.09914		mg/L		99	80 - 120
Copper	0.200	0.1955		mg/L		98	80 - 120
Lead	0.200	0.2101		mg/L		105	80 - 120
Selenium	0.400	0.3865		mg/L		97	80 - 120
Silver	0.100	0.1115		mg/L		112	80 - 120
Thallium	0.100	0.08511		mg/L		85	80 - 120
Vanadium	0.100	0.09623		mg/L		96	80 - 120
Zinc	0.200	0.1825		mg/L		91	80 - 120
Tin	0.200	0.2036		mg/L		102	80 - 120
Iron	0.200	0.2021		mg/L		101	80 - 120
Manganese	0.100	0.09675		mg/L		97	80 - 120

Lab Sample ID: LCS 310-453421/2-A
Matrix: Water
Analysis Batch: 454361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453421

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	0.200	0.1943		mg/L		97	80 - 120

Lab Sample ID: MB 310-453423/1-A
Matrix: Water
Analysis Batch: 453796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 14:42	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/02/25 09:00	05/05/25 14:42	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 14:42	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/05/25 14:42	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/05/25 14:42	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/05/25 14:42	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/05/25 14:42	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/05/25 14:42	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/05/25 14:42	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/05/25 14:42	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/05/25 14:42	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/05/25 14:42	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-453423/1-A
Matrix: Water
Analysis Batch: 453796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/05/25 14:42	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/05/25 14:42	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/05/25 14:42	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 14:42	1
Iron	<0.100		0.100	0.0500	mg/L		05/02/25 09:00	05/05/25 14:42	1
Manganese	<0.0100		0.0100	0.00360	mg/L		05/02/25 09:00	05/05/25 14:42	1

Lab Sample ID: LCS 310-453423/2-A
Matrix: Water
Analysis Batch: 453796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.1957		mg/L		98	80 - 120
Arsenic	0.200	0.1922		mg/L		96	80 - 120
Barium	0.100	0.09603		mg/L		96	80 - 120
Beryllium	0.100	0.09158		mg/L		92	80 - 120
Cadmium	0.100	0.09206		mg/L		92	80 - 120
Chromium	0.100	0.09422		mg/L		94	80 - 120
Cobalt	0.100	0.09602		mg/L		96	80 - 120
Copper	0.200	0.1896		mg/L		95	80 - 120
Lead	0.200	0.1955		mg/L		98	80 - 120
Nickel	0.200	0.1875		mg/L		94	80 - 120
Selenium	0.400	0.3656		mg/L		91	80 - 120
Silver	0.100	0.1013		mg/L		101	80 - 120
Thallium	0.100	0.08813		mg/L		88	80 - 120
Vanadium	0.100	0.09310		mg/L		93	80 - 120
Zinc	0.200	0.1829		mg/L		91	80 - 120
Tin	0.200	0.1850		mg/L		92	80 - 120
Iron	0.200	0.1996		mg/L		100	80 - 120
Manganese	0.100	0.09426		mg/L		94	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-453838/1-A
Matrix: Water
Analysis Batch: 454008

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453838

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/06/25 11:53	05/07/25 11:46	1

Lab Sample ID: LCS 310-453838/2-A
Matrix: Water
Analysis Batch: 454008

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001733		mg/L		104	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 310-453986/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454315
Prep Batch: 453986

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/08/25 12:33	05/09/25 12:32	1

Lab Sample ID: LCS 310-453986/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454315
Prep Batch: 453986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001659		mg/L		100	80 - 120

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 310-453363/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453602
Prep Batch: 453363

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0100		0.0100	0.00350	mg/L		05/01/25 11:30	05/02/25 19:10	1

Lab Sample ID: LCS 310-453363/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 453602
Prep Batch: 453363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.1941		mg/L		97	90 - 110

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-816040/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 816040

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.00		1.00	0.231	mg/L			05/01/25 13:30	1

Lab Sample ID: LCS 500-816040/2
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 816040

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.26	3.203		mg/L		98	80 - 120

Lab Sample ID: 310-305203-8 MS
Client Sample ID: MW-207A
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 816040

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<1.00	F1	8.15	6.215		mg/L		76	75 - 125

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: 310-305203-8 MSD — **Client Sample ID: MW-207A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 816040

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<1.00	F1	8.15	5.856	F1	mg/L		72	75 - 125	6	20

Method: 9038 - Sulfate (Turbidimetric)

Lab Sample ID: MB 310-454005/16 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 454005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.00		5.00	1.80	mg/L			05/07/25 11:07	1

Lab Sample ID: LCS 310-454005/17 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 454005

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.349		mg/L		93	85 - 115

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 310-453388/11 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 453388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<1.00		1.00	0.500	mg/L			04/30/25 14:21	1

Lab Sample ID: LCS 310-453388/12 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 453388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	9.99	10.46		mg/L		105	85 - 115

Lab Sample ID: MB 310-453995/15 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 453995

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<1.00		1.00	0.500	mg/L			05/06/25 17:17	1

Lab Sample ID: LCS 310-453995/16 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 453995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	9.99	10.43		mg/L		104	85 - 115

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 310-305203-4 DU
Matrix: Water
Analysis Batch: 453995

Client Sample ID: MW-6B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	10.0			10.07		mg/L				0.5	15

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-453230/1
Matrix: Water
Analysis Batch: 453230

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			04/30/25 12:39	1

Lab Sample ID: LCS 310-453230/2
Matrix: Water
Analysis Batch: 453230

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			100	98.00		mg/L		98	81 - 116		

Lab Sample ID: 310-305203-1 DU
Matrix: Water
Analysis Batch: 453230

Client Sample ID: MW-8B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	30.0			30.00		mg/L				0	35

Lab Sample ID: MB 310-453273/1
Matrix: Water
Analysis Batch: 453273

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			04/30/25 17:30	1

Lab Sample ID: LCS 310-453273/2
Matrix: Water
Analysis Batch: 453273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			100	95.00		mg/L		95	81 - 116		

Lab Sample ID: MB 310-453275/1
Matrix: Water
Analysis Batch: 453275

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			04/30/25 18:52	1

Method: I-3765-85 - Residue, Non-filterable (TSS) (Continued)

Lab Sample ID: LCS 310-453275/2
Matrix: Water
Analysis Batch: 453275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	100.0		mg/L		100	81 - 116

GC/MS VOA

Analysis Batch: 453153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	8260D	
310-305203-2	MW-10B	Total/NA	Water	8260D	
310-305203-3	MW-208B	Total/NA	Water	8260D	
MB 310-453153/6	Method Blank	Total/NA	Water	8260D	
LCS 310-453153/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-453153/8	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 453177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-5	MW-209B	Total/NA	Water	8260D	
310-305203-6	MW-211B	Total/NA	Water	8260D	
310-305203-7	MW-212A	Total/NA	Water	8260D	
310-305203-8	MW-207A	Total/NA	Water	8260D	
310-305203-9	Trip Blank 1	Total/NA	Water	8260D	
310-305203-10	Trip Blank 2	Total/NA	Water	8260D	
310-305203-11	Trip Blank 3	Total/NA	Water	8260D	
310-305203-12	Trip Blank 4	Total/NA	Water	8260D	
310-305203-13	Trip Blank 5	Total/NA	Water	8260D	
310-305203-14	Trip Blank 6	Total/NA	Water	8260D	
MB 310-453177/6	Method Blank	Total/NA	Water	8260D	
LCS 310-453177/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-453177/8	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 453661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-4	MW-6B	Total/NA	Water	8260D	
MB 310-453661/6	Method Blank	Total/NA	Water	8260D	
LCS 310-453661/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-453661/8	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 453201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	3510C	
310-305203-2	MW-10B	Total/NA	Water	3510C	
310-305203-3	MW-208B	Total/NA	Water	3510C	
310-305203-4	MW-6B	Total/NA	Water	3510C	
310-305203-5	MW-209B	Total/NA	Water	3510C	
310-305203-7	MW-212A	Total/NA	Water	3510C	
310-305203-8	MW-207A	Total/NA	Water	3510C	
MB 310-453201/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-453201/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-453201/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 453747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	8270E	453201
310-305203-2	MW-10B	Total/NA	Water	8270E	453201
310-305203-3	MW-208B	Total/NA	Water	8270E	453201
310-305203-4	MW-6B	Total/NA	Water	8270E	453201

GC/MS Semi VOA (Continued)

Analysis Batch: 453747 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-5	MW-209B	Total/NA	Water	8270E	453201
310-305203-7	MW-212A	Total/NA	Water	8270E	453201
310-305203-8	MW-207A	Total/NA	Water	8270E	453201
MB 310-453201/1-A	Method Blank	Total/NA	Water	8270E	453201
LCS 310-453201/2-A	Lab Control Sample	Total/NA	Water	8270E	453201
LCSD 310-453201/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	453201

Analysis Batch: 453792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	8270E	453201
310-305203-2	MW-10B	Total/NA	Water	8270E	453201
310-305203-3	MW-208B	Total/NA	Water	8270E	453201
310-305203-4	MW-6B	Total/NA	Water	8270E	453201
310-305203-5	MW-209B	Total/NA	Water	8270E	453201
310-305203-7	MW-212A	Total/NA	Water	8270E	453201
310-305203-8	MW-207A	Total/NA	Water	8270E	453201
MB 310-453201/1-A	Method Blank	Total/NA	Water	8270E	453201
LCS 310-453201/2-A	Lab Control Sample	Total/NA	Water	8270E	453201
LCSD 310-453201/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	453201

Analysis Batch: 454001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	8270E	453201
310-305203-2	MW-10B	Total/NA	Water	8270E	453201
310-305203-3	MW-208B	Total/NA	Water	8270E	453201
310-305203-4	MW-6B	Total/NA	Water	8270E	453201
310-305203-5	MW-209B	Total/NA	Water	8270E	453201
310-305203-7	MW-212A	Total/NA	Water	8270E	453201
310-305203-8	MW-207A	Total/NA	Water	8270E	453201
MB 310-453201/1-A	Method Blank	Total/NA	Water	8270E	453201
LCS 310-453201/2-A	Lab Control Sample	Total/NA	Water	8270E	453201
LCSD 310-453201/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	453201

Analysis Batch: 454212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	8270E	453201
310-305203-2	MW-10B	Total/NA	Water	8270E	453201
310-305203-3	MW-208B	Total/NA	Water	8270E	453201
310-305203-4	MW-6B	Total/NA	Water	8270E	453201
310-305203-5	MW-209B	Total/NA	Water	8270E	453201
310-305203-7	MW-212A	Total/NA	Water	8270E	453201
310-305203-8	MW-207A	Total/NA	Water	8270E	453201
MB 310-453201/1-A	Method Blank	Total/NA	Water	8270E	453201
LCS 310-453201/2-A	Lab Control Sample	Total/NA	Water	8270E	453201
LCSD 310-453201/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	453201

GC Semi VOA

Leach Batch: 452494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-452494/1-E	Method Blank	Total/NA	Water	1311	

GC Semi VOA

Leach Batch: 452894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-452894/1-E	Method Blank	Total/NA	Water	1311	

Prep Batch: 453170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	3511	
310-305203-2	MW-10B	Total/NA	Water	3511	
310-305203-3	MW-208B	Total/NA	Water	3511	
MB 310-453170/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-453170/25-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-453170/2-A	Lab Control Sample	Total/NA	Water	3511	

Prep Batch: 453384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-4	MW-6B	Total/NA	Water	3511	
310-305203-5	MW-209B	Total/NA	Water	3511	
310-305203-7	MW-212A	Total/NA	Water	3511	
310-305203-8	MW-207A	Total/NA	Water	3511	
LB 310-452494/1-E	Method Blank	Total/NA	Water	3511	452494
LB 310-452894/1-E	Method Blank	Total/NA	Water	3511	452894
MB 310-453384/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-453384/11-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-453384/30-A	Lab Control Sample	Total/NA	Water	3511	

Analysis Batch: 453472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-453170/1-A	Method Blank	Total/NA	Water	8082A	453170
LCS 310-453170/25-A	Lab Control Sample	Total/NA	Water	8082A	453170

Analysis Batch: 453474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-453170/1-A	Method Blank	Total/NA	Water	8081B	453170
LCS 310-453170/2-A	Lab Control Sample	Total/NA	Water	8081B	453170

Analysis Batch: 453479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	8015C	
310-305203-2	MW-10B	Total/NA	Water	8015C	
310-305203-3	MW-208B	Total/NA	Water	8015C	
310-305203-4	MW-6B	Total/NA	Water	8015C	
310-305203-5	MW-209B	Total/NA	Water	8015C	
310-305203-7	MW-212A	Total/NA	Water	8015C	
310-305203-8	MW-207A	Total/NA	Water	8015C	
MB 310-453479/4	Method Blank	Total/NA	Water	8015C	
LCS 310-453479/5	Lab Control Sample	Total/NA	Water	8015C	
LCSD 310-453479/6	Lab Control Sample Dup	Total/NA	Water	8015C	

Analysis Batch: 453581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	8082A	453170
310-305203-2	MW-10B	Total/NA	Water	8082A	453170
310-305203-3	MW-208B	Total/NA	Water	8082A	453170

GC Semi VOA

Analysis Batch: 453583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	8081B	453170
310-305203-2	MW-10B	Total/NA	Water	8081B	453170
310-305203-3	MW-208B	Total/NA	Water	8081B	453170

Analysis Batch: 453585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-5	MW-209B	Total/NA	Water	8082A	453384
310-305203-7	MW-212A	Total/NA	Water	8082A	453384
LB 310-452494/1-E	Method Blank	Total/NA	Water	8082A	453384
MB 310-453384/1-A	Method Blank	Total/NA	Water	8082A	453384
LCS 310-453384/11-A	Lab Control Sample	Total/NA	Water	8082A	453384

Analysis Batch: 453587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-5	MW-209B	Total/NA	Water	8081B	453384
310-305203-7	MW-212A	Total/NA	Water	8081B	453384
LB 310-452894/1-E	Method Blank	Total/NA	Water	8081B	453384
MB 310-453384/1-A	Method Blank	Total/NA	Water	8081B	453384
LCS 310-453384/30-A	Lab Control Sample	Total/NA	Water	8081B	453384

Analysis Batch: 453670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-4	MW-6B	Total/NA	Water	8082A	453384
310-305203-8	MW-207A	Total/NA	Water	8082A	453384

Analysis Batch: 453672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-4	MW-6B	Total/NA	Water	8081B	453384
310-305203-8	MW-207A	Total/NA	Water	8081B	453384

Prep Batch: 638965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	8151A	
310-305203-2	MW-10B	Total/NA	Water	8151A	
310-305203-3	MW-208B	Total/NA	Water	8151A	
310-305203-4	MW-6B	Total/NA	Water	8151A	
310-305203-5	MW-209B	Total/NA	Water	8151A	
310-305203-7	MW-212A	Total/NA	Water	8151A	
310-305203-8	MW-207A	Total/NA	Water	8151A	
MB 410-638965/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-638965/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	
LCS 410-638965/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-638965/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	
LCSD 410-638965/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 639091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	8151A	638965
310-305203-2	MW-10B	Total/NA	Water	8151A	638965
310-305203-3	MW-208B	Total/NA	Water	8151A	638965
310-305203-4	MW-6B	Total/NA	Water	8151A	638965

GC Semi VOA (Continued)

Analysis Batch: 639091 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-5	MW-209B	Total/NA	Water	8151A	638965
310-305203-7	MW-212A	Total/NA	Water	8151A	638965
310-305203-8	MW-207A	Total/NA	Water	8151A	638965
MB 410-638965/1-A	Method Blank	Total/NA	Water	8151A	638965
LCS 410-638965/2-A	Lab Control Sample	Total/NA	Water	8151A	638965
LCS 410-638965/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	638965
LCSD 410-638965/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	638965
LCSD 410-638965/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	638965

HPLC/IC

Analysis Batch: 453232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-4	MW-6B	Total/NA	Water	9056A	
310-305203-5	MW-209B	Total/NA	Water	9056A	
310-305203-6	MW-211B	Total/NA	Water	9056A	
310-305203-7	MW-212A	Total/NA	Water	9056A	
310-305203-8	MW-207A	Total/NA	Water	9056A	
MB 310-453232/3	Method Blank	Total/NA	Water	9056A	
LCS 310-453232/4	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 453420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-5	MW-209B	Total/NA	Water	3005A	
MB 310-453420/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-453420/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 453421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-7	MW-212A	Total/NA	Water	3005A	
MB 310-453421/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-453421/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 453423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	3005A	
310-305203-2	MW-10B	Total/NA	Water	3005A	
310-305203-3	MW-208B	Total/NA	Water	3005A	
310-305203-4	MW-6B	Total/NA	Water	3005A	
310-305203-6	MW-211B	Total/NA	Water	3005A	
310-305203-8	MW-207A	Total/NA	Water	3005A	
MB 310-453423/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-453423/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 453796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	6020B	453423
310-305203-2	MW-10B	Total/NA	Water	6020B	453423
310-305203-3	MW-208B	Total/NA	Water	6020B	453423
310-305203-4	MW-6B	Total/NA	Water	6020B	453423

Metals (Continued)

Analysis Batch: 453796 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-6	MW-211B	Total/NA	Water	6020B	453423
310-305203-8	MW-207A	Total/NA	Water	6020B	453423
MB 310-453423/1-A	Method Blank	Total/NA	Water	6020B	453423
LCS 310-453423/2-A	Lab Control Sample	Total/NA	Water	6020B	453423

Prep Batch: 453838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	7470A	
MB 310-453838/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-453838/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 453930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-4	MW-6B	Total/NA	Water	6020B	453423

Prep Batch: 453986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-2	MW-10B	Total/NA	Water	7470A	
310-305203-3	MW-208B	Total/NA	Water	7470A	
310-305203-4	MW-6B	Total/NA	Water	7470A	
310-305203-5	MW-209B	Total/NA	Water	7470A	
310-305203-7	MW-212A	Total/NA	Water	7470A	
310-305203-8	MW-207A	Total/NA	Water	7470A	
MB 310-453986/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-453986/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 454008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	7470A	453838
MB 310-453838/1-A	Method Blank	Total/NA	Water	7470A	453838
LCS 310-453838/2-A	Lab Control Sample	Total/NA	Water	7470A	453838

Analysis Batch: 454315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-2	MW-10B	Total/NA	Water	7470A	453986
310-305203-3	MW-208B	Total/NA	Water	7470A	453986
310-305203-4	MW-6B	Total/NA	Water	7470A	453986
310-305203-5	MW-209B	Total/NA	Water	7470A	453986
310-305203-7	MW-212A	Total/NA	Water	7470A	453986
310-305203-8	MW-207A	Total/NA	Water	7470A	453986
MB 310-453986/1-A	Method Blank	Total/NA	Water	7470A	453986
LCS 310-453986/2-A	Lab Control Sample	Total/NA	Water	7470A	453986

Analysis Batch: 454358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-5	MW-209B	Total/NA	Water	6020B	453420
310-305203-7	MW-212A	Total/NA	Water	6020B	453421
MB 310-453420/1-A	Method Blank	Total/NA	Water	6020B	453420
MB 310-453421/1-A	Method Blank	Total/NA	Water	6020B	453421
LCS 310-453420/2-A	Lab Control Sample	Total/NA	Water	6020B	453420
LCS 310-453421/2-A	Lab Control Sample	Total/NA	Water	6020B	453421

Metals

Analysis Batch: 454361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-5	MW-209B	Total/NA	Water	6020B	453420
310-305203-7	MW-212A	Total/NA	Water	6020B	453421
MB 310-453420/1-A	Method Blank	Total/NA	Water	6020B	453420
MB 310-453421/1-A	Method Blank	Total/NA	Water	6020B	453421
LCS 310-453420/2-A	Lab Control Sample	Total/NA	Water	6020B	453420
LCS 310-453421/2-A	Lab Control Sample	Total/NA	Water	6020B	453421

General Chemistry

Analysis Batch: 453230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	I-3765-85	
310-305203-2	MW-10B	Total/NA	Water	I-3765-85	
MB 310-453230/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-453230/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-305203-1 DU	MW-8B	Total/NA	Water	I-3765-85	

Analysis Batch: 453273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-3	MW-208B	Total/NA	Water	I-3765-85	
MB 310-453273/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-453273/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 453275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-4	MW-6B	Total/NA	Water	I-3765-85	
310-305203-5	MW-209B	Total/NA	Water	I-3765-85	
310-305203-6	MW-211B	Total/NA	Water	I-3765-85	
310-305203-7	MW-212A	Total/NA	Water	I-3765-85	
310-305203-8	MW-207A	Total/NA	Water	I-3765-85	
MB 310-453275/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-453275/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Prep Batch: 453363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	9012B	
310-305203-2	MW-10B	Total/NA	Water	9012B	
310-305203-3	MW-208B	Total/NA	Water	9012B	
310-305203-4	MW-6B	Total/NA	Water	9012B	
310-305203-5	MW-209B	Total/NA	Water	9012B	
310-305203-7	MW-212A	Total/NA	Water	9012B	
310-305203-8	MW-207A	Total/NA	Water	9012B	
MB 310-453363/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-453363/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 453388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-6	MW-211B	Total/NA	Water	9060A	
MB 310-453388/11	Method Blank	Total/NA	Water	9060A	
LCS 310-453388/12	Lab Control Sample	Total/NA	Water	9060A	

General Chemistry

Analysis Batch: 453602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	9012B	453363
310-305203-2	MW-10B	Total/NA	Water	9012B	453363
310-305203-3	MW-208B	Total/NA	Water	9012B	453363
310-305203-4	MW-6B	Total/NA	Water	9012B	453363
310-305203-5	MW-209B	Total/NA	Water	9012B	453363
310-305203-7	MW-212A	Total/NA	Water	9012B	453363
310-305203-8	MW-207A	Total/NA	Water	9012B	453363
MB 310-453363/1-A	Method Blank	Total/NA	Water	9012B	453363
LCS 310-453363/2-A	Lab Control Sample	Total/NA	Water	9012B	453363

Analysis Batch: 453995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-4	MW-6B	Total/NA	Water	9060A	
310-305203-5	MW-209B	Total/NA	Water	9060A	
310-305203-7	MW-212A	Total/NA	Water	9060A	
310-305203-8	MW-207A	Total/NA	Water	9060A	
MB 310-453995/15	Method Blank	Total/NA	Water	9060A	
LCS 310-453995/16	Lab Control Sample	Total/NA	Water	9060A	
310-305203-4 DU	MW-6B	Total/NA	Water	9060A	

Analysis Batch: 454005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-4	MW-6B	Total/NA	Water	9038	
310-305203-5	MW-209B	Total/NA	Water	9038	
310-305203-6	MW-211B	Total/NA	Water	9038	
310-305203-7	MW-212A	Total/NA	Water	9038	
310-305203-8	MW-207A	Total/NA	Water	9038	
MB 310-454005/16	Method Blank	Total/NA	Water	9038	
LCS 310-454005/17	Lab Control Sample	Total/NA	Water	9038	

Analysis Batch: 816040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305203-1	MW-8B	Total/NA	Water	9034	
310-305203-2	MW-10B	Total/NA	Water	9034	
310-305203-3	MW-208B	Total/NA	Water	9034	
310-305203-4	MW-6B	Total/NA	Water	9034	
310-305203-5	MW-209B	Total/NA	Water	9034	
310-305203-7	MW-212A	Total/NA	Water	9034	
310-305203-8	MW-207A	Total/NA	Water	9034	
MB 500-816040/1	Method Blank	Total/NA	Water	9034	
LCS 500-816040/2	Lab Control Sample	Total/NA	Water	9034	
310-305203-8 MS	MW-207A	Total/NA	Water	9034	
310-305203-8 MSD	MW-207A	Total/NA	Water	9034	

Lab Chronicle

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-8B
Lab Sample ID: 310-305203-1
Date Collected: 04/25/25 08:44
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453153	WSE8	EET CF	04/30/25 13:03
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	453792	V7YZ	EET CF	05/06/25 18:23
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	454001	V7YZ	EET CF	05/07/25 18:47
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	454212	V7YZ	EET CF	05/09/25 13:43
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	453747	V7YZ	EET CF	05/06/25 05:34
Total/NA	Analysis	8015C		1	453479	BW2O	EET CF	05/02/25 15:58
Total/NA	Prep	3511			453170	BW2O	EET CF	04/30/25 08:47
Total/NA	Analysis	8081B		1	453583	BW2O	EET CF	05/03/25 11:27
Total/NA	Prep	3511			453170	BW2O	EET CF	04/30/25 08:47
Total/NA	Analysis	8082A		1	453581	BW2O	EET CF	05/03/25 11:27
Total/NA	Prep	8151A			638965	QJZ6	ELLE	05/02/25 15:51
Total/NA	Analysis	8151A		1	639091	UAMZ	ELLE	05/03/25 14:24
Total/NA	Prep	3005A			453423	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453796	NFT2	EET CF	05/05/25 15:13
Total/NA	Prep	7470A			453838	QTZ5	EET CF	05/06/25 11:53
Total/NA	Analysis	7470A		1	454008	F5MW	EET CF	05/07/25 12:45
Total/NA	Prep	9012B			453363	ENB7	EET CF	05/01/25 11:30
Total/NA	Analysis	9012B		1	453602	ZJX4	EET CF	05/02/25 19:24
Total/NA	Analysis	9034		1	816040	TR	EET CHI	05/01/25 13:38 - 05/01/25 13:42 [1]
Total/NA	Analysis	I-3765-85		1	453230	HE7K	EET CF	04/30/25 12:39

Client Sample ID: MW-10B
Lab Sample ID: 310-305203-2
Date Collected: 04/25/25 09:45
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453153	WSE8	EET CF	04/30/25 13:25
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	453792	V7YZ	EET CF	05/06/25 18:50
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	454001	V7YZ	EET CF	05/07/25 19:14
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	454212	V7YZ	EET CF	05/09/25 14:02
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	453747	V7YZ	EET CF	05/06/25 06:04
Total/NA	Analysis	8015C		1	453479	BW2O	EET CF	05/02/25 16:18
Total/NA	Prep	3511			453170	BW2O	EET CF	04/30/25 08:47
Total/NA	Analysis	8081B		1	453583	BW2O	EET CF	05/03/25 11:40
Total/NA	Prep	3511			453170	BW2O	EET CF	04/30/25 08:47
Total/NA	Analysis	8082A		1	453581	BW2O	EET CF	05/03/25 11:40

Lab Chronicle

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-10B
Lab Sample ID: 310-305203-2

Date Collected: 04/25/25 09:45
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	8151A			638965	QJZ6	ELLE	05/02/25 15:51
Total/NA	Analysis	8151A		1	639091	UAMZ	ELLE	05/03/25 14:53
Total/NA	Prep	3005A			453423	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453796	NFT2	EET CF	05/05/25 15:48
Total/NA	Prep	7470A			453986	F5MW	EET CF	05/08/25 12:33
Total/NA	Analysis	7470A		1	454315	F5MW	EET CF	05/09/25 13:12
Total/NA	Prep	9012B			453363	ENB7	EET CF	05/01/25 11:30
Total/NA	Analysis	9012B		1	453602	ZJX4	EET CF	05/02/25 19:15
Total/NA	Analysis	9034		1	816040	TR	EET CHI	05/01/25 13:42 - 05/01/25 13:46 [1]
Total/NA	Analysis	I-3765-85		1	453230	HE7K	EET CF	04/30/25 12:39

Client Sample ID: MW-208B
Lab Sample ID: 310-305203-3

Date Collected: 04/25/25 10:27
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453153	WSE8	EET CF	04/30/25 13:47
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	453792	V7YZ	EET CF	05/06/25 19:17
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	454001	V7YZ	EET CF	05/07/25 19:41
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	454212	V7YZ	EET CF	05/09/25 14:21
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	453747	V7YZ	EET CF	05/06/25 06:33
Total/NA	Analysis	8015C		1	453479	BW2O	EET CF	05/02/25 16:39
Total/NA	Prep	3511			453170	BW2O	EET CF	04/30/25 08:47
Total/NA	Analysis	8081B		1	453583	BW2O	EET CF	05/03/25 11:53
Total/NA	Prep	3511			453170	BW2O	EET CF	04/30/25 08:47
Total/NA	Analysis	8082A		1	453581	BW2O	EET CF	05/03/25 11:53
Total/NA	Prep	8151A			638965	QJZ6	ELLE	05/02/25 15:51
Total/NA	Analysis	8151A		1	639091	UAMZ	ELLE	05/03/25 15:21
Total/NA	Prep	3005A			453423	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453796	NFT2	EET CF	05/05/25 15:27
Total/NA	Prep	7470A			453986	F5MW	EET CF	05/08/25 12:33
Total/NA	Analysis	7470A		1	454315	F5MW	EET CF	05/09/25 13:15
Total/NA	Prep	9012B			453363	ENB7	EET CF	05/01/25 11:30
Total/NA	Analysis	9012B		1	453602	ZJX4	EET CF	05/02/25 19:18
Total/NA	Analysis	9034		1	816040	TR	EET CHI	05/01/25 13:46 - 05/01/25 13:50 [1]
Total/NA	Analysis	I-3765-85		1	453273	MDU9	EET CF	04/30/25 17:30

Client Sample ID: MW-6B
Lab Sample ID: 310-305203-4

Date Collected: 04/28/25 07:50
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453661	WSE8	EET CF	05/05/25 13:38
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	453792	V7YZ	EET CF	05/06/25 19:43
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	454001	V7YZ	EET CF	05/07/25 20:07
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	454212	V7YZ	EET CF	05/09/25 14:41
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	453747	V7YZ	EET CF	05/06/25 07:04
Total/NA	Analysis	8015C		1	453479	BW2O	EET CF	05/02/25 17:00
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:27
Total/NA	Analysis	8081B		1	453672	BW2O	EET CF	05/05/25 13:02
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:27
Total/NA	Analysis	8082A		1	453670	BW2O	EET CF	05/05/25 13:02
Total/NA	Prep	8151A			638965	QJZ6	ELLE	05/02/25 15:51
Total/NA	Analysis	8151A		1	639091	UAMZ	ELLE	05/03/25 15:49
Total/NA	Analysis	9056A		1	453232	QTZ5	EET CF	04/29/25 17:27
Total/NA	Prep	3005A			453423	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453796	NFT2	EET CF	05/05/25 15:03
Total/NA	Prep	3005A			453423	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		4	453930	NFT2	EET CF	05/06/25 17:03
Total/NA	Prep	7470A			453986	F5MW	EET CF	05/08/25 12:33
Total/NA	Analysis	7470A		1	454315	F5MW	EET CF	05/09/25 13:17
Total/NA	Prep	9012B			453363	ENB7	EET CF	05/01/25 11:30
Total/NA	Analysis	9012B		1	453602	ZJX4	EET CF	05/02/25 19:18
Total/NA	Analysis	9034		1	816040	TR	EET CHI	05/01/25 13:50 - 05/01/25 13:54 [1]
Total/NA	Analysis	9038		10	454005	WZC8	EET CF	05/07/25 11:10
Total/NA	Analysis	9060A		1	453995	HE7K	EET CF	05/06/25 18:29
Total/NA	Analysis	I-3765-85		1	453275	MDU9	EET CF	04/30/25 18:52

Client Sample ID: MW-209B
Lab Sample ID: 310-305203-5

Date Collected: 04/28/25 09:06
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453177	WSE8	EET CF	05/01/25 02:10
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	453792	V7YZ	EET CF	05/06/25 20:10
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	454001	V7YZ	EET CF	05/07/25 20:33
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	454212	V7YZ	EET CF	05/09/25 15:01
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	453747	V7YZ	EET CF	05/06/25 07:34

Client Sample ID: MW-209B
Lab Sample ID: 310-305203-5

Date Collected: 04/28/25 09:06
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C		1	453479	BW2O	EET CF	05/02/25 17:21
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:27
Total/NA	Analysis	8081B		1	453587	BW2O	EET CF	05/03/25 20:26
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:27
Total/NA	Analysis	8082A		1	453585	BW2O	EET CF	05/03/25 20:26
Total/NA	Prep	8151A			638965	QJZ6	ELLE	05/02/25 15:51
Total/NA	Analysis	8151A		1	639091	UAMZ	ELLE	05/03/25 16:18
Total/NA	Analysis	9056A		1	453232	QTZ5	EET CF	04/29/25 17:43
Total/NA	Prep	3005A			453420	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	454358	ZRI4	EET CF	05/09/25 17:27
Total/NA	Prep	3005A			453420	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	454361	ZRI4	EET CF	05/10/25 15:27
Total/NA	Prep	7470A			453986	F5MW	EET CF	05/08/25 12:33
Total/NA	Analysis	7470A		1	454315	F5MW	EET CF	05/09/25 13:19
Total/NA	Prep	9012B			453363	ENB7	EET CF	05/01/25 11:30
Total/NA	Analysis	9012B		1	453602	ZJX4	EET CF	05/02/25 19:19
Total/NA	Analysis	9034		1	816040	TR	EET CHI	05/01/25 13:54 - 05/01/25 13:58 [1]
Total/NA	Analysis	9038		1	454005	WZC8	EET CF	05/07/25 11:12
Total/NA	Analysis	9060A		1	453995	HE7K	EET CF	05/06/25 19:41
Total/NA	Analysis	I-3765-85		1	453275	MDU9	EET CF	04/30/25 18:52

Client Sample ID: MW-211B
Lab Sample ID: 310-305203-6

Date Collected: 04/28/25 10:10
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453177	WSE8	EET CF	05/01/25 02:33
Total/NA	Analysis	9056A		1	453232	QTZ5	EET CF	04/29/25 17:58
Total/NA	Prep	3005A			453423	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453796	NFT2	EET CF	05/05/25 15:29
Total/NA	Analysis	9038		1	454005	WZC8	EET CF	05/07/25 11:12
Total/NA	Analysis	9060A		1	453388	HE7K	EET CF	05/01/25 06:34
Total/NA	Analysis	I-3765-85		1	453275	MDU9	EET CF	04/30/25 18:52

Client Sample ID: MW-212A
Lab Sample ID: 310-305203-7

Date Collected: 04/28/25 12:43
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453177	WSE8	EET CF	05/01/25 03:18
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	453792	V7YZ	EET CF	05/06/25 20:36
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	454001	V7YZ	EET CF	05/07/25 20:59

Client Sample ID: MW-212A
Lab Sample ID: 310-305203-7

Date Collected: 04/28/25 12:43
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	454212	V7YZ	EET CF	05/09/25 15:20
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	453747	V7YZ	EET CF	05/06/25 08:04
Total/NA	Analysis	8015C		1	453479	BW2O	EET CF	05/02/25 17:42
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:27
Total/NA	Analysis	8081B		1	453587	BW2O	EET CF	05/03/25 20:39
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:27
Total/NA	Analysis	8082A		1	453585	BW2O	EET CF	05/03/25 20:39
Total/NA	Prep	8151A			638965	QJZ6	ELLE	05/02/25 15:51
Total/NA	Analysis	8151A		1	639091	UAMZ	ELLE	05/03/25 16:46
Total/NA	Analysis	9056A		1	453232	QTZ5	EET CF	04/29/25 16:56
Total/NA	Prep	3005A			453421	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	454358	ZRI4	EET CF	05/09/25 15:47
Total/NA	Prep	3005A			453421	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		4	454361	ZRI4	EET CF	05/10/25 16:05
Total/NA	Prep	7470A			453986	F5MW	EET CF	05/08/25 12:33
Total/NA	Analysis	7470A		1	454315	F5MW	EET CF	05/09/25 13:21
Total/NA	Prep	9012B			453363	ENB7	EET CF	05/01/25 11:30
Total/NA	Analysis	9012B		1	453602	ZJX4	EET CF	05/02/25 19:19
Total/NA	Analysis	9034		1	816040	TR	EET CHI	05/01/25 13:58 - 05/01/25 14:02 [1]
Total/NA	Analysis	9038		10	454005	WZC8	EET CF	05/07/25 11:13
Total/NA	Analysis	9060A		1	453995	HE7K	EET CF	05/06/25 20:17
Total/NA	Analysis	I-3765-85		1	453275	MDU9	EET CF	04/30/25 18:52

Client Sample ID: MW-207A
Lab Sample ID: 310-305203-8

Date Collected: 04/28/25 13:53
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453177	WSE8	EET CF	05/01/25 02:56
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	453792	V7YZ	EET CF	05/06/25 21:02
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	454001	V7YZ	EET CF	05/07/25 21:26
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	454212	V7YZ	EET CF	05/09/25 15:39
Total/NA	Prep	3510C			453201	J5BR	EET CF	04/30/25 10:50
Total/NA	Analysis	8270E		1	453747	V7YZ	EET CF	05/06/25 08:34
Total/NA	Analysis	8015C		1	453479	BW2O	EET CF	05/02/25 18:02
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:27
Total/NA	Analysis	8081B		1	453672	BW2O	EET CF	05/05/25 13:15
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:27
Total/NA	Analysis	8082A		1	453670	BW2O	EET CF	05/05/25 13:15

Lab Chronicle

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-207A
Lab Sample ID: 310-305203-8
Date Collected: 04/28/25 13:53
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	8151A			638965	QJZ6	ELLE	05/02/25 15:51
Total/NA	Analysis	8151A		1	639091	UAMZ	ELLE	05/03/25 17:14
Total/NA	Analysis	9056A		1	453232	QTZ5	EET CF	04/29/25 17:12
Total/NA	Prep	3005A			453423	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453796	NFT2	EET CF	05/05/25 15:32
Total/NA	Prep	7470A			453986	F5MW	EET CF	05/08/25 12:33
Total/NA	Analysis	7470A		1	454315	F5MW	EET CF	05/09/25 13:23
Total/NA	Prep	9012B			453363	ENB7	EET CF	05/01/25 11:30
Total/NA	Analysis	9012B		1	453602	ZJX4	EET CF	05/02/25 19:20
Total/NA	Analysis	9034		1	816040	TR	EET CHI	05/01/25 14:02 - 05/01/25 14:06 [1]
Total/NA	Analysis	9038		2	454005	WZC8	EET CF	05/07/25 11:13
Total/NA	Analysis	9060A		1	453995	HE7K	EET CF	05/06/25 20:53
Total/NA	Analysis	I-3765-85		1	453275	MDU9	EET CF	04/30/25 18:52

Client Sample ID: Trip Blank 1
Lab Sample ID: 310-305203-9
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453177	WSE8	EET CF	04/30/25 20:10

Client Sample ID: Trip Blank 2
Lab Sample ID: 310-305203-10
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453177	WSE8	EET CF	04/30/25 20:32

Client Sample ID: Trip Blank 3
Lab Sample ID: 310-305203-11
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453177	WSE8	EET CF	04/30/25 20:55

Client Sample ID: Trip Blank 4
Lab Sample ID: 310-305203-12
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453177	WSE8	EET CF	04/30/25 21:17

Lab Chronicle

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 5
Lab Sample ID: 310-305203-13
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453177	WSE8	EET CF	04/30/25 21:40

Client Sample ID: Trip Blank 6
Lab Sample ID: 310-305203-14
Date Collected: 04/28/25 00:00
Matrix: Water
Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453177	WSE8	EET CF	04/30/25 22:02

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,2,4-Trichlorobenzene
8260D		Water	Allyl chloride
8260D		Water	Ethyl methacrylate

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	05-06-25
A2LA	Dept. of Energy	0001.01	05-06-25
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	05-04-25
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	05-04-25
California	State	2792	05-04-25
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	05-04-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	05-04-25
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	05-04-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	05-04-25
Iowa	State	361	05-04-25
Kansas	NELAP	E-10151	05-04-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	05-06-25
Kentucky (WW)	State	KY90088	05-04-25
Louisiana (All)	NELAP	02055	05-04-25
Maine	State	2019012	05-04-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	05-04-25
New Hampshire	NELAP	2730	05-04-25

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA011	05-04-25
New York	NELAP	10670	05-04-25
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	05-07-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	05-04-25
Oregon	NELAP	PA200001	05-04-25
Pennsylvania	NELAP	36-00037	05-04-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	05-04-25
South Carolina	State	89002	05-11-25
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	05-04-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	05-04-25
Washington	State	C457	04-11-26
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	05-06-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8015C	Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
8151A	Herbicides (GC)	SW846	ELLE
9056A	Anions, Ion Chromatography	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9012B	Cyanide, Total andor Amenable	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
9038	Sulfate (Turbidimetric)	SW846	EET CF
9060A	Organic Carbon, Total (TOC)	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	ELLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

eurofins | Environment Testing America

310-305203 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY Omaha STATE NE Project:

Receipt Information

Date/Time Received: DATE 4.29.25 TIME 1635 Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 1 of 6

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

MW-10B, 211B

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): Corrected Temp (°C).

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL 1L	
Uncorrected Temp (°C):	2.6	
Corrected Temp (°C):	2.6	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State. CITY: Omaha STATE: NE Project

Receipt Information

Date/Time Received: DATE: 4.29.25 TIME: 1635 Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other._____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 2 of 6

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes.* Which VOA samples are in cooler? ↓

2098,

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL 2x SH	
Uncorrected Temp (°C):	2.9	
Corrected Temp (°C):	2.9	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY Omaha | STATE NE | Project:

Receipt Information

Date/Time Received: DATE 4.29.25 | TIME 1635 | Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other._____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 3 of 6

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

6B

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):	4H	
Corrected Temp (°C):	H.M	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY Omaha STATE NE Project.

Receipt Information

Date/Time Received: DATE 4.29.25 TIME 1635 Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 4 of 6

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

MW-212A

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: AA Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL 500 ZA	
Uncorrected Temp (°C):	4.4	
Corrected Temp (°C):	4.4	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client. HDR

City/State. CITY Omaha STATE NE Project:

Receipt Information

Date/Time Received: DATE 4.29.25 TIME 1635 Received By. PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 5 of 6

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

MW-207A

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA Correction Factor (°C) 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C). Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Cooler/Sample Receipt and Temperature Log Form

Client Information

Client. HDR

City/State. CITY Omaha STATE NE Project:

Receipt Information

Date/Time Received: DATE 4.29.25 TIME 1635 Received By. PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 6 of 6

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes.* Which VOA samples are in cooler? ↓

MW 208B, ~~8A~~ PB 8B

Temperature Record

Coolant. ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA Correction Factor (°C) 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C). Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PLL	
Uncorrected Temp (°C):	3.6	
Corrected Temp (°C):	3.6	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

Client Information	Sampler: Joel Fuhrmeister	Lab PM: Calhoun, Conner M	Carrier Tracking No(s):	COC No: 310-105392-28018 1
Client Contact: Richard Wilson	Phone: 319-936-5A4	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin:	Page: Page of
Company: HDR Inc	PWSID:			Job #:
Address: 1917 S 67th Street	Due Date Requested:			
City: Omaha	TAT Requested (days):			
State, Zip: NE, 68106	Compliance Project: \ Yes \ No			
Phone: 402-392-6714(Tel)	PO #:			
Email: richard.wilson2@hdrinc.com	WO #:			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL
N None
D HNO3
B NaOH
CB ZnAcetate/NaOH
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil,	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix 1	Appendix 2	TSS	Metals List- As Ba Co Cu Pb, Ni	App 1 VOCs Only	Sulfide	Natural Attenuation- Nitrate, sulfate TOC Fe, Mn	Dichlorodifluoromethane- 8260D	Bis(2-ethylhexyl) phthalate 8270E	Arsenic	Cobalt	Benzene only	Tetrachloroethene trichloroethene vinyl chloride-8260D	Total Number of containers	Special Instructions/Note
			Preservation Code:																		
MW-8B	4-25-25	8:44	G	Water				X	X												Natural Attenuation = NITRATE Sulfate, TOC, 6020- Fe, Mn
MW-10B	4-25-25	9:45	G	Water				X	X												
MW-209B	4-25-25	10 27	G	Water				X	X												
MW-6B	4-28-25	7:50	G	Water									X								
MW-209B	4-28-25	9:06	G	Water									X								
MW-211B	4-28-25	10:20	G	Water									X								
MW-212A	4-28-25	1243	G	Water									X								
MW-207A	4-28-25	1353	G	Water									X								
				Water																	
				Water																	
				Water																	

Possible Hazard Identification
Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client Disposal By Lab Archive For Months

Deliverable Requested: I II, III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Jason Eckman	4-29 10:55			4/29/25 1055	Eurofins
Relinquished by	Date/Time	Company	Received by	Date/Time 4.29.25 1635	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) oC and Other Remarks:

Ver: 05/06/2024

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-82534.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State - Iowa; State Program - Iowa		Job #: 310-305203-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/12/2025			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:
-

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_AP Appendix II Herbicides	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-8B (310-305203-1)	4/25/25	08:44 Central	G	Water			X	2	
MW-10B (310-305203-2)	4/25/25	09:45 Central	G	Water			X	2	
MW-208B (310-305203-3)	4/25/25	10:27 Central	G	Water			X	2	
MW-6B (310-305203-4)	4/28/25	07:50 Central	G	Water			X	2	
MW-209B (310-305203-5)	4/28/25	09:06 Central	G	Water			X	2	
MW-212A (310-305203-7)	4/28/25	12:43 Central	G	Water			X	2	
MW-207A (310-305203-8)	4/28/25	13:53 Central	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		4/30/25 1235				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/1/25 1025	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR3.5-C3.5 IR4.1-C4.1

Ver: 10/10/2024

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No.: 310-82539 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et eurofinsus com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State - Iowa, State Program - Iowa		Job #: 310-305203-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 5/12/2025			
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

Analysis Requested

310-305203 COC

Preservation Codes

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code						
MW-8B (310-305203-1)	4/25/25	08 44 Central	G	Water			X	1	
MW-10B (310-305203-2)	4/25/25	09 45 Central	G	Water			X	1	
MW-208B (310-305203-3)	4/25/25	10 27 Central	G	Water			X	1	
MW-6B (310-305203-4)	4/28/25	07 50 Central	G	Water			X	1	
MW-209B (310-305203-5)	4/28/25	09 06 Central	G	Water			X	1	
MW-212A (310-305203-7)	4/28/25	12 43 Central	G	Water			X	1	
MW-207A (310-305203-8)	4/28/25	13 53 Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		4/30/25 1330		Stephanie Hernandez	5/1/25 1000	TEH
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 1.2+1.8

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305203-1
SDG Number:

Login Number: 305203
List Number: 1
Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305203-1
SDG Number:

Login Number: 305203
List Number: 3
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago
List Creation: 05/01/25 01:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305203-1
SDG Number:

Login Number: 305203
List Number: 2
Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/01/25 01:19 PM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Quantitation Limit Exceptions Summary

Client: HDR Inc
Job ID: 310-305203-1
Project/Site: Iowa City Landfill Spring 2025

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260D	1,2-Dibromo-3-Chloropropane	Water	Total/NA	ug/L	1.20	5
8260D	1,2-Dibromoethane (EDB)	Water	Total/NA	ug/L	0.340	1

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Wilson
HDR Inc
1917 S 67th Street
Omaha, Nebraska 68106

Generated 5/15/2025 12:52:55 PM

JOB DESCRIPTION

Iowa City Landfill Spring 2025

JOB NUMBER

310-305292-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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Authorized for release by
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Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 8
Detection Summary 9
Client Sample Results 11
Definitions 43
Surrogate Summary 45
QC Sample Results 47
QC Association 83
Chronicle 90
Certification Summary 94
Method Summary 96
Chain of Custody 97
Receipt Checklists 104
Detection Limit Exceptions Summary 107

Job Narrative
310-305292-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/30/2025 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 3.7°C, 4.4°C, 5.0°C and 5.1°C.

Receipt Exceptions
The following sample(s) was received at the laboratory outside the required temperature criteria: receiving cooler temp:18.5°C, water present in cooler. This does not meet regulatory requirements.

GC/MS VOA
Method 8260D: The initial calibration verification (ICV) result for batch 310-453394 was above the upper control limit. The affected analyte is: 1,1,1,2-Tetrachloroethane. Sample results were non-detects, and have been reported as qualified data.

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-453394 recovered above the upper control limit for 2-Chloro-1,3-butadiene (20.4%D), 1,1,1,2-Tetrachloroethane (32.1%D), Carbon tetrachloride (24.6%D), and trans-1,3-Dichloropropene (23.4%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-453394/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-453394 recovered above the upper control limit for Dichlorodifluoromethane (36.0%D) and Trichlorofluoromethane (24.0%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-453394/4).

Method 8260D: The laboratory control sample (LCS) for analytical batch 310-453394 recovered outside control limits for the following analyte: Methylene chloride. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container: Trip Blank 1 (310-305292-5).

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following sample(s) was received preserved with hydrochloric acid. Vial preservation was pH <2 rather than pH 4-5. : Trip Blank 1 (310-305292-5) and Trip Blank 3 (310-305292-7). The requested target analyte list includes Acrylonitrile.

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-453665 recovered outside of the control limits for 2,2-Dichloropropane (-24.3%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is impacted: (CCV 310-453665/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-453665 recovered outside of the control limits for Bromomethane (-26.3%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is impacted: (CCV 310-453665/4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 310-453465. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8270E: Internal standard (ISTD) response for the following sample was outside of acceptance limits: (MB 310-453465/1-A). The ISTD failed low causing the data to be biased high. the affected analytes were non-detects therefore the data has been reported.

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-453868 recovered above the upper control limit for 3,3'-Dichlorobenzidine(20.3%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-453868/2).

Method 8270E: The LCSD for preparation batch 310-453465 and analytical batch 310-454501 recovered outside acceptance limits for 2-Chlorophenol, 2,6-Dichlorophenol, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, 4-Nitrophenol, Pentachlorophenol, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol and 2,4,6-Trichlorophenol. There was insufficient sample and holding-time to perform a re-extraction or re-analysis; therefore, the data have been reported.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-453465 and analytical batch 310-454501 recovered outside control limits for the following analytes: Bis(2-chloroethyl)ether, bis (2-chloroisopropyl) ether, 2-Chlorophenol, 2,4-Dichlorophenol, 2,6-Dichlorophenol, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, Di-n-octyl phthalate, 2-Nitrophenol, 4-Nitrophenol, Pentachlorophenol, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol and 2,4,6-Trichlorophenol.

Method 8270E: Surrogate recovery for the following sample was outside of acceptance limits: (LCSD 310-453465/3-A). There was insufficient sample and holding-time to perform a re-extraction; therefore, the data have been reported.

Method 8270E: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-453465 and analytical batch 310-454078 recovered outside control limits for the following analyte(s): 1,4-phenylenediamine. 1,4-phenylenediamine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The LCSD for preparation batch 310-453465 and analytical batch 310-454078 recovered outside acceptance limits for 2-Chlorophenol, 2,4-Dichlorophenol, 2,6-Dichlorophenol, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, Dinoseb, 2-Nitrophenol, 4-Nitrophenol, Pentachlorophenol, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol and 2,4,6-Trichlorophenol. There was insufficient sample and holding-time to perform a re-extraction or re-analysis; therefore, the data have been reported.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-453465 and analytical batch 310-454078 recovered outside control limits for the following analytes: 2-Chlorophenol, 2,4-Dichlorophenol, 2,6-Dichlorophenol, 3,3'-Dimethylbenzidine, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, Dinoseb, Methapyrilene, 4-Nitrophenol, Pentachlorophenol, Phenol, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol and 2,4,6-Trichlorophenol.

Method 8270E: The laboratory control sample (LCS) for preparation batch 310-453465 and analytical batch 310-454593 recovered outside control limits for the following analytes: Chlorobenzilate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
Method 8082A: Surrogate compounds were inadvertently omitted during the extraction process for the following QC: (LCS 310-453384/11-A), (240-222634-C-1-F MS) and (240-222634-C-1-G MSD) due to analyst error. The blank and samples all contained surrogate and passed recovery limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B: The continuing calibration verification (CCV) associated with batch 310-453587 recovered above the upper control limit for 4,4'-DDE. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: Surrogate compounds were inadvertently omitted during the extraction process for the following QC: (LCS 310-453384/30-A), (310-304884-B-1-B MS) and (310-304884-B-1-C MSD) due to analyst error. The blank and samples all contained surrogate and passed recovery limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6020B: The continuing calibration verification (CCV) associated with batch 310-454358 recovered above the upper control limit for Tin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 7470A: The continuing calibration verification (CCV) associated with batch 310-454427 recovered above the upper control limit for mercury. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 9034_Calc: The following samples were received at the Chicago Lab with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-11B (310-305292-1), MW-18A-07 (310-305292-2), MW-206A (310-305292-3) and MW-16A (310-305292-4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 310-305292-2 — Eurofins Cedar Falls

Job Narrative
310-305292-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/30/2025 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 3.7°C, 4.4°C, 5.0°C and 5.1°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-305292-1	MW-11B	Water	04/29/25 08:26	04/30/25 15:00
310-305292-2	MW-18A-07	Water	04/29/25 09:25	04/30/25 15:00
310-305292-3	MW-206A	Water	04/29/25 10:41	04/30/25 15:00
310-305292-4	MW-16A	Water	04/29/25 13:05	04/30/25 15:00
310-305292-5	Trip Blank 1	Water	04/29/25 00:00	04/30/25 15:00
310-305292-6	Trip Blank 2	Water	04/29/25 00:00	04/30/25 15:00
310-305292-7	Trip Blank 3	Water	04/29/25 00:00	04/30/25 15:00
310-305292-8	Trip Blank 4	Water	04/29/25 00:00	04/30/25 15:00

Detection Summary

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-11B — Lab Sample ID: 310-305292-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	67.0		1.00	0.420	mg/L	1		9056A	Total/NA
Arsenic	0.0433		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.322		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00215		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00665		0.00500	0.00230	mg/L	1		6020B	Total/NA
Iron	20.7		0.100	0.0500	mg/L	1		6020B	Total/NA
Manganese	1.08		0.0100	0.00360	mg/L	1		6020B	Total/NA
Total Organic Carbon	5.23		1.00	0.500	mg/L	1		9060A	Total/NA
Total Suspended Solids	37.0		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-18A-07 — Lab Sample ID: 310-305292-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	384		1.00	0.220	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	1.32	J	2.00	0.560	ug/L	1		8260D	Total/NA
1,2-Dichloropropane	0.783	J	1.00	0.270	ug/L	1		8260D	Total/NA
Benzene	1.96		0.500	0.220	ug/L	1		8260D	Total/NA
Dichlorodifluoromethane	1.78	J	3.00	0.250	ug/L	1		8260D	Total/NA
Chloroethane	9.70		4.00	0.790	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	254		1.00	0.210	ug/L	1		8260D	Total/NA
Tetrachloroethene	29.7	F1	1.00	0.480	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.48		1.00	0.270	ug/L	1		8260D	Total/NA
Trichloroethene	28.1	F1	1.00	0.430	ug/L	1		8260D	Total/NA
Vinyl chloride	24.3		1.00	0.180	ug/L	1		8260D	Total/NA
Sulfate	46.0		1.00	0.420	mg/L	1		9056A	Total/NA
Arsenic	0.00184	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.754		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00164		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00351	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Iron	1.39		0.100	0.0500	mg/L	1		6020B	Total/NA
Manganese	0.0499		0.0100	0.00360	mg/L	1		6020B	Total/NA
Total Organic Carbon	2.93		1.00	0.500	mg/L	1		9060A	Total/NA
Total Suspended Solids	3.75		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-206A — Lab Sample ID: 310-305292-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.61		1.00	0.220	ug/L	1		8260D	Total/NA
Dichlorodifluoromethane	0.963	J	3.00	0.250	ug/L	1		8260D	Total/NA
Sulfate	61.6		1.00	0.420	mg/L	1		9056A	Total/NA
Barium	0.0774		0.00200	0.000660	mg/L	1		6020B	Total/NA
Selenium	0.00230	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Total Organic Carbon	4.10		1.00	0.500	mg/L	1		9060A	Total/NA

Client Sample ID: MW-16A — Lab Sample ID: 310-305292-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.30		1.00	0.220	ug/L	1		8260D	Total/NA
1,2-Dichloropropane	0.765	J	1.00	0.270	ug/L	1		8260D	Total/NA
Dichlorodifluoromethane	1.83	J	3.00	0.250	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	3.45		1.00	0.210	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.06		1.00	0.480	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-16A (Continued) — Lab Sample ID: 310-305292-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.480	J	1.00	0.430	ug/L	1		8260D	Total/NA
Vinyl chloride	0.489	J	1.00	0.180	ug/L	1		8260D	Total/NA
Silvex (2,4,5-TP)	0.0780		0.0538	0.0237	ug/L	1		8151A	Total/NA
Nitrate as N	0.469		0.200	0.0780	mg/L	1		9056A	Total/NA
Sulfate	19.9		1.00	0.420	mg/L	1		9056A	Total/NA
Barium	0.431		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000288		0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.00257		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00299	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00175	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Manganese	0.318		0.0100	0.00360	mg/L	1		6020B	Total/NA
Total Organic Carbon	2.38		1.00	0.500	mg/L	1		9060A	Total/NA
Total Suspended Solids	2.13		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: Trip Blank 1 — Lab Sample ID: 310-305292-5

No Detections.

Client Sample ID: Trip Blank 2 — Lab Sample ID: 310-305292-6

No Detections.

Client Sample ID: Trip Blank 3 — Lab Sample ID: 310-305292-7

No Detections.

Client Sample ID: Trip Blank 4 — Lab Sample ID: 310-305292-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client: HDR Inc
Project/Site: Iowa City Landfill Spring 2025

Job ID: 310-305292-1

Client Sample ID: MW-11B
Date Collected: 04/29/25 08:26
Date Received: 04/30/25 15:00

Lab Sample ID: 310-305292-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/02/25 05:57	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/02/25 05:57	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/02/25 05:57	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/02/25 05:57	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/02/25 05:57	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/02/25 05:57	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/02/25 05:57	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/02/25 05:57	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/02/25 05:57	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/02/25 05:57	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/02/25 05:57	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/02/25 05:57	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/02/25 05:57	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/02/25 05:57	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/02/25 05:57	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/02/25 05:57	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/02/25 05:57	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/02/25 05:57	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/02/25 05:57	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/02/25 05:57	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/02/25 05:57	1
Acetone	<10.0		10.0	3.10	ug/L			05/02/25 05:57	1
Acrolein	<10.0		10.0	3.60	ug/L			05/02/25 05:57	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/02/25 05:57	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/02/25 05:57	1
Benzene	<0.500		0.500	0.220	ug/L			05/02/25 05:57	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/02/25 05:57	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/02/25 05:57	1
Bromoform	<5.00		5.00	0.780	ug/L			05/02/25 05:57	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/02/25 05:57	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/02/25 05:57	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/02/25 05:57	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/02/25 05:57	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/02/25 05:57	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/02/25 05:57	1
Chloroform	<3.00		3.00	1.30	ug/L			05/02/25 05:57	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/02/25 05:57	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/02/25 05:57	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/02/25 05:57	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/02/25 05:57	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/02/25 05:57	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/02/25 05:57	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/02/25 05:57	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/02/25 05:57	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/02/25 05:57	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/02/25 05:57	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/02/25 05:57	1
Methylene Chloride	<5.00	*+	5.00	1.70	ug/L			05/02/25 05:57	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/02/25 05:57	1

Client Sample ID: MW-11B
Lab Sample ID: 310-305292-1
Date Collected: 04/29/25 08:26
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/02/25 05:57	1
Styrene	<1.00		1.00	0.370	ug/L			05/02/25 05:57	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/02/25 05:57	1
Toluene	<1.00		1.00	0.430	ug/L			05/02/25 05:57	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/02/25 05:57	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/02/25 05:57	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/02/25 05:57	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/02/25 05:57	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/02/25 05:57	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/02/25 05:57	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/02/25 05:57	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/02/25 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*76 - 130*		*05/02/25 05:57*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*05/02/25 05:57*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/02/25 05:57*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		05/02/25 07:08	05/06/25 15:37	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		05/02/25 07:08	05/06/25 15:37	1
Acetophenone	<10.0		10.0	0.690	ug/L		05/02/25 07:08	05/06/25 15:37	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 11:40	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 11:40	1
Anthracene	<10.0		10.0	0.870	ug/L		05/02/25 07:08	05/06/25 15:37	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		05/02/25 07:08	05/06/25 15:37	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		05/02/25 07:08	05/06/25 15:37	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		05/02/25 07:08	05/06/25 15:37	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		05/02/25 07:08	05/06/25 15:37	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/06/25 15:37	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		05/02/25 07:08	05/06/25 15:37	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		05/02/25 07:08	05/06/25 15:37	1
Bis(2-chloroethyl)ether	<10.0	*1	10.0	0.820	ug/L		05/02/25 07:08	05/06/25 15:37	1
bis (2-chloroisopropyl) ether	<10.0	*1	10.0	0.540	ug/L		05/02/25 07:08	05/06/25 15:37	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		05/02/25 07:08	05/06/25 15:37	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/06/25 15:37	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		05/02/25 07:08	05/06/25 15:37	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		05/02/25 07:08	05/06/25 15:37	1
Chlorobenzilate	<10.0	*+	10.0	3.60	ug/L		05/02/25 07:08	05/14/25 07:23	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		05/02/25 07:08	05/06/25 15:37	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		05/02/25 07:08	05/06/25 15:37	1
2-Chlorophenol	<10.0	*- *1	10.0	0.540	ug/L		05/02/25 07:08	05/06/25 15:37	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		05/02/25 07:08	05/06/25 15:37	1
Chrysene	<10.0		10.0	0.870	ug/L		05/02/25 07:08	05/06/25 15:37	1
Diallate	<10.0		10.0	4.00	ug/L		05/02/25 07:08	05/08/25 11:40	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		05/02/25 07:08	05/06/25 15:37	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		05/02/25 07:08	05/06/25 15:37	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		05/02/25 07:08	05/06/25 15:37	1
2,4-Dichlorophenol	<10.0	*1	10.0	0.850	ug/L		05/02/25 07:08	05/06/25 15:37	1

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-11B
Lab Sample ID: 310-305292-1
Date Collected: 04/29/25 08:26
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.0	*- *1	10.0	0.690	ug/L		05/02/25 07:08	05/06/25 15:37	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		05/02/25 07:08	05/06/25 15:37	1
Dimethoate	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 11:40	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		05/02/25 07:08	05/08/25 11:40	1
3,3'-Dimethylbenzidine	<10.0	*1	10.0	1.50	ug/L		05/02/25 07:08	05/08/25 11:40	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		05/02/25 07:08	05/06/25 15:37	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		05/02/25 07:08	05/06/25 15:37	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		05/02/25 07:08	05/06/25 15:37	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/06/25 15:37	1
4,6-Dinitro-2-methylphenol	<10.0	*- *1	10.0	6.90	ug/L		05/02/25 07:08	05/06/25 15:37	1
2,4-Dinitrophenol	<20.0	*- *1	20.0	13.0	ug/L		05/02/25 07:08	05/06/25 15:37	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		05/02/25 07:08	05/06/25 15:37	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		05/02/25 07:08	05/06/25 15:37	1
Di-n-octyl phthalate	<20.0	*1	20.0	7.00	ug/L		05/02/25 07:08	05/06/25 15:37	1
Dinoseb	<10.0	*- *1	10.0	2.40	ug/L		05/02/25 07:08	05/08/25 11:40	1
Diphenylamine	<10.0		10.0	6.00	ug/L		05/02/25 07:08	05/06/25 15:37	1
Disulfoton	<10.0		10.0	2.40	ug/L		05/02/25 07:08	05/08/25 11:40	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 11:40	1
Ethyl Parathion	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 11:40	1
Famphur	<10.0		10.0	3.80	ug/L		05/02/25 07:08	05/14/25 13:53	1
Fluoranthene	<10.0		10.0	1.70	ug/L		05/02/25 07:08	05/06/25 15:37	1
Fluorene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/06/25 15:37	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/06/25 15:37	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		05/02/25 07:08	05/06/25 15:37	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		05/02/25 07:08	05/06/25 15:37	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		05/02/25 07:08	05/06/25 15:37	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		05/02/25 07:08	05/08/25 11:40	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		05/02/25 07:08	05/06/25 15:37	1
Isodrin	<10.0		10.0	4.70	ug/L		05/02/25 07:08	05/08/25 11:40	1
Isophorone	<10.0		10.0	0.930	ug/L		05/02/25 07:08	05/06/25 15:37	1
Isosafrole	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 11:40	1
Kepone	<10.0		10.0	1.00	ug/L		05/02/25 07:08	05/08/25 11:40	1
Methapyrilene	<10.0	*1	10.0	0.760	ug/L		05/02/25 07:08	05/08/25 11:40	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		05/02/25 07:08	05/08/25 11:40	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		05/02/25 07:08	05/08/25 11:40	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		05/02/25 07:08	05/06/25 15:37	1
Methyl parathion	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 11:40	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		05/02/25 07:08	05/06/25 15:37	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/06/25 15:37	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 11:40	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		05/02/25 07:08	05/08/25 11:40	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		05/02/25 07:08	05/08/25 11:40	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		05/02/25 07:08	05/06/25 15:37	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/06/25 15:37	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		05/02/25 07:08	05/06/25 15:37	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		05/02/25 07:08	05/06/25 15:37	1
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 11:40	1
2-Nitrophenol	<10.0	*1	10.0	6.80	ug/L		05/02/25 07:08	05/06/25 15:37	1
4-Nitrophenol	<10.0	*- *1	10.0	7.60	ug/L		05/02/25 07:08	05/06/25 15:37	1

Client Sample ID: MW-11B
Date Collected: 04/29/25 08:26
Date Received: 04/30/25 15:00

Lab Sample ID: 310-305292-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		05/02/25 07:08	05/08/25 11:40	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		05/02/25 07:08	05/06/25 15:37	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		05/02/25 07:08	05/08/25 11:40	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		05/02/25 07:08	05/06/25 15:37	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		05/02/25 07:08	05/06/25 15:37	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		05/02/25 07:08	05/08/25 11:40	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 11:40	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 11:40	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/08/25 11:40	1
o-Toluidine	<10.0		10.0	2.90	ug/L		05/02/25 07:08	05/08/25 11:40	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 11:40	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 11:40	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		05/02/25 07:08	05/08/25 11:40	1
Pentachlorophenol	<10.0	*- *1	10.0	9.60	ug/L		05/02/25 07:08	05/06/25 15:37	1
Phenacetin	<10.0		10.0	1.90	ug/L		05/02/25 07:08	05/08/25 11:40	1
Phenanthrene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/06/25 15:37	1
Phenol	<10.0		10.0	1.10	ug/L		05/02/25 07:08	05/06/25 15:37	1
1,4-phenylenediamine	<10.0	*- *1	10.0	1.90	ug/L		05/02/25 07:08	05/08/25 11:40	1
Phorate	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/08/25 11:40	1
Pronamide	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 11:40	1
Pyrene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/06/25 15:37	1
Safrole	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 11:40	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		05/02/25 07:08	05/06/25 15:37	1
2,3,4,6-Tetrachlorophenol	<10.0	*- *1	10.0	5.30	ug/L		05/02/25 07:08	05/06/25 15:37	1
Thionazin	<10.0		10.0	3.50	ug/L		05/02/25 07:08	05/08/25 11:40	1
2,4,5-Trichlorophenol	<10.0	*- *1	10.0	5.30	ug/L		05/02/25 07:08	05/06/25 15:37	1
2,4,6-Trichlorophenol	<10.0	*- *1	10.0	5.00	ug/L		05/02/25 07:08	05/06/25 15:37	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*39 - 118*	*05/02/25 07:08*	*05/06/25 15:37*	*1*
2-Fluorophenol (Surr)	*58*		*25 - 110*	*05/02/25 07:08*	*05/06/25 15:37*	*1*
Nitrobenzene-d5 (Surr)	*73*		*45 - 129*	*05/02/25 07:08*	*05/06/25 15:37*	*1*
Phenol-d5 (Surr)	*49*		*21 - 110*	*05/02/25 07:08*	*05/06/25 15:37*	*1*
Terphenyl-d14 (Surr)	*72*		*12 - 144*	*05/02/25 07:08*	*05/06/25 15:37*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*27 - 136*	*05/02/25 07:08*	*05/06/25 15:37*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/02/25 18:23	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/02/25 18:23	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0895		0.0895	0.0224	ug/L		05/01/25 12:27	05/05/25 13:28	1
4,4'-DDE	<0.0895		0.0895	0.0269	ug/L		05/01/25 12:27	05/05/25 13:28	1
4,4'-DDT	<0.0895		0.0895	0.0179	ug/L		05/01/25 12:27	05/05/25 13:28	1
Aldrin	<0.0895		0.0895	0.0197	ug/L		05/01/25 12:27	05/05/25 13:28	1
alpha-BHC	<0.0895		0.0895	0.00895	ug/L		05/01/25 12:27	05/05/25 13:28	1
beta-BHC	<0.0895		0.0895	0.0376	ug/L		05/01/25 12:27	05/05/25 13:28	1

Client Sample ID: MW-11B
Date Collected: 04/29/25 08:26
Date Received: 04/30/25 15:00

Lab Sample ID: 310-305292-1
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.79		1.79	0.349	ug/L		05/01/25 12:27	05/05/25 13:28	1
delta-BHC	<0.0895		0.0895	0.0286	ug/L		05/01/25 12:27	05/05/25 13:28	1
Dieldrin	<0.0895		0.0895	0.0188	ug/L		05/01/25 12:27	05/05/25 13:28	1
Endosulfan I	<0.0895		0.0895	0.0251	ug/L		05/01/25 12:27	05/05/25 13:28	1
Endosulfan II	<0.0895		0.0895	0.0233	ug/L		05/01/25 12:27	05/05/25 13:28	1
Endosulfan sulfate	<0.0895		0.0895	0.0161	ug/L		05/01/25 12:27	05/05/25 13:28	1
Endrin	<0.0895		0.0895	0.0251	ug/L		05/01/25 12:27	05/05/25 13:28	1
Endrin aldehyde	<0.0895		0.0895	0.0242	ug/L		05/01/25 12:27	05/05/25 13:28	1
gamma-BHC (Lindane)	<0.0895		0.0895	0.00895	ug/L		05/01/25 12:27	05/05/25 13:28	1
Heptachlor	<0.0895		0.0895	0.0206	ug/L		05/01/25 12:27	05/05/25 13:28	1
Heptachlor epoxide	<0.0895		0.0895	0.0286	ug/L		05/01/25 12:27	05/05/25 13:28	1
Methoxychlor	<0.0895		0.0895	0.0286	ug/L		05/01/25 12:27	05/05/25 13:28	1
Toxaphene	<1.79		1.79	0.895	ug/L		05/01/25 12:27	05/05/25 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*24*		*10 - 150*	*05/01/25 12:27*	*05/05/25 13:28*	*1*
Tetrachloro-m-xylene	*48*		*17 - 150*	*05/01/25 12:27*	*05/05/25 13:28*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.79		1.79	0.734	ug/L		05/01/25 12:27	05/05/25 13:28	1
PCB-1221	<1.79		1.79	0.734	ug/L		05/01/25 12:27	05/05/25 13:28	1
PCB-1232	<1.79		1.79	0.734	ug/L		05/01/25 12:27	05/05/25 13:28	1
PCB-1242	<1.79		1.79	0.734	ug/L		05/01/25 12:27	05/05/25 13:28	1
PCB-1248	<1.79		1.79	0.618	ug/L		05/01/25 12:27	05/05/25 13:28	1
PCB-1254	<1.79		1.79	0.618	ug/L		05/01/25 12:27	05/05/25 13:28	1
PCB-1260	<1.79		1.79	0.618	ug/L		05/01/25 12:27	05/05/25 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*24*		*10 - 150*	*05/01/25 12:27*	*05/05/25 13:28*	*1*
Tetrachloro-m-xylene	*48*		*17 - 150*	*05/01/25 12:27*	*05/05/25 13:28*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.624		0.624	0.260	ug/L		05/06/25 15:04	05/07/25 09:38	1
Silvex (2,4,5-TP)	<0.0520		0.0520	0.0229	ug/L		05/06/25 15:04	05/07/25 09:38	1
2,4,5-T	<0.156		0.156	0.0676	ug/L		05/06/25 15:04	05/07/25 09:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*77*		*34 - 142*	*05/06/25 15:04*	*05/07/25 09:38*	*1*
DCAA	*74*		*34 - 142*	*05/06/25 15:04*	*05/07/25 09:38*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200		0.200	0.0780	mg/L			04/30/25 20:15	1
Sulfate	**67.0**		1.00	0.420	mg/L			04/30/25 20:15	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 15:39	1
Arsenic	**0.0433**		0.00200	0.000530	mg/L		05/02/25 09:00	05/05/25 15:39	1

Client Sample ID: MW-11B
Date Collected: 04/29/25 08:26
Date Received: 04/30/25 15:00

Lab Sample ID: 310-305292-1
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.322**		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 15:39	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/05/25 15:39	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/05/25 15:39	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/05/25 15:39	1
Cobalt	**0.00215**		0.000500	0.000170	mg/L		05/02/25 09:00	05/05/25 15:39	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/05/25 15:39	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/05/25 15:39	1
Nickel	**0.00665**		0.00500	0.00230	mg/L		05/02/25 09:00	05/05/25 15:39	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/05/25 15:39	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/05/25 15:39	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/05/25 15:39	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/05/25 15:39	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/05/25 15:39	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 15:39	1
Iron	**20.7**		0.100	0.0500	mg/L		05/02/25 09:00	05/05/25 15:39	1
Manganese	**1.08**		0.0100	0.00360	mg/L		05/02/25 09:00	05/05/25 15:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/08/25 12:33	05/09/25 13:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/05/25 09:51	05/07/25 21:15	1
Sulfide (SW846 9034)	<1.00	H	1.00	0.231	mg/L			05/07/25 22:05	1
Total Organic Carbon (SW846 9060A)	**5.23**		1.00	0.500	mg/L			05/06/25 21:29	1
Total Suspended Solids (USGS I-3765-85)	**37.0**		1.88	1.31	mg/L			05/03/25 08:13	1

Client: HDR Inc
Project/Site: Iowa City Landfill Spring 2025

Job ID: 310-305292-1

Client Sample ID: MW-18A-07

Date Collected: 04/29/25 09:25
Date Received: 04/30/25 15:00

Lab Sample ID: 310-305292-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/02/25 06:20	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/02/25 06:20	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/02/25 06:20	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/02/25 06:20	1
1,1-Dichloroethane	**384**		1.00	0.220	ug/L			05/02/25 06:20	1
1,1-Dichloroethene	**1.32**	**J**	2.00	0.560	ug/L			05/02/25 06:20	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/02/25 06:20	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/02/25 06:20	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/02/25 06:20	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/02/25 06:20	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/02/25 06:20	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/02/25 06:20	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/02/25 06:20	1
1,2-Dichloropropane	**0.783**	**J**	1.00	0.270	ug/L			05/02/25 06:20	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/02/25 06:20	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/02/25 06:20	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/02/25 06:20	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/02/25 06:20	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/02/25 06:20	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/02/25 06:20	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/02/25 06:20	1
Acetone	<10.0		10.0	3.10	ug/L			05/02/25 06:20	1
Acrolein	<10.0		10.0	3.60	ug/L			05/02/25 06:20	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/02/25 06:20	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/02/25 06:20	1
Benzene	**1.96**		0.500	0.220	ug/L			05/02/25 06:20	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/02/25 06:20	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/02/25 06:20	1
Bromoform	<5.00		5.00	0.780	ug/L			05/02/25 06:20	1
Dichlorodifluoromethane	**1.78**	**J**	3.00	0.250	ug/L			05/08/25 19:52	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/02/25 06:20	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/02/25 06:20	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/02/25 06:20	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/02/25 06:20	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/02/25 06:20	1
Chloroethane	**9.70**		4.00	0.790	ug/L			05/02/25 06:20	1
Chloroform	<3.00		3.00	1.30	ug/L			05/02/25 06:20	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/02/25 06:20	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/02/25 06:20	1
cis-1,2-Dichloroethene	**254**		1.00	0.210	ug/L			05/02/25 06:20	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/02/25 06:20	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/02/25 06:20	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/02/25 06:20	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/02/25 06:20	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/02/25 06:20	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/02/25 06:20	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/02/25 06:20	1
Methylene Chloride	<5.00	*+	5.00	1.70	ug/L			05/02/25 06:20	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/02/25 06:20	1

Client Sample ID: MW-18A-07
Lab Sample ID: 310-305292-2
Date Collected: 04/29/25 09:25
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/02/25 06:20	1
Styrene	<1.00		1.00	0.370	ug/L			05/02/25 06:20	1
Tetrachloroethene	**29.7**	**F1**	1.00	0.480	ug/L			05/02/25 06:20	1
Toluene	<1.00		1.00	0.430	ug/L			05/02/25 06:20	1
trans-1,2-Dichloroethene	**1.48**		1.00	0.270	ug/L			05/02/25 06:20	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/02/25 06:20	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/02/25 06:20	1
Trichloroethene	**28.1**	**F1**	1.00	0.430	ug/L			05/02/25 06:20	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/02/25 06:20	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/02/25 06:20	1
Vinyl chloride	**24.3**		1.00	0.180	ug/L			05/02/25 06:20	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/02/25 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*05/08/25 19:52*	*1*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*05/08/25 19:52*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/08/25 19:52*	*1*
Dibromofluoromethane (Surr)	*112*		*76 - 130*		*05/02/25 06:20*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/02/25 06:20*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*05/02/25 06:20*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		05/02/25 07:08	05/06/25 16:08	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		05/02/25 07:08	05/06/25 16:08	1
Acetophenone	<10.0		10.0	0.690	ug/L		05/02/25 07:08	05/06/25 16:08	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 12:06	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 12:06	1
Anthracene	<10.0		10.0	0.870	ug/L		05/02/25 07:08	05/06/25 16:08	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		05/02/25 07:08	05/06/25 16:08	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		05/02/25 07:08	05/06/25 16:08	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		05/02/25 07:08	05/06/25 16:08	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		05/02/25 07:08	05/06/25 16:08	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/06/25 16:08	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		05/02/25 07:08	05/06/25 16:08	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		05/02/25 07:08	05/06/25 16:08	1
Bis(2-chloroethyl)ether	<10.0	*1	10.0	0.820	ug/L		05/02/25 07:08	05/06/25 16:08	1
bis (2-chloroisopropyl) ether	<10.0	*1	10.0	0.540	ug/L		05/02/25 07:08	05/06/25 16:08	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		05/02/25 07:08	05/06/25 16:08	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/06/25 16:08	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		05/02/25 07:08	05/06/25 16:08	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		05/02/25 07:08	05/06/25 16:08	1
Chlorobenzilate	<10.0	*+	10.0	3.60	ug/L		05/02/25 07:08	05/14/25 07:49	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		05/02/25 07:08	05/06/25 16:08	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		05/02/25 07:08	05/06/25 16:08	1
2-Chlorophenol	<10.0	*- *1	10.0	0.540	ug/L		05/02/25 07:08	05/06/25 16:08	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		05/02/25 07:08	05/06/25 16:08	1
Chrysene	<10.0		10.0	0.870	ug/L		05/02/25 07:08	05/06/25 16:08	1
Diallate	<10.0		10.0	4.00	ug/L		05/02/25 07:08	05/08/25 12:06	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		05/02/25 07:08	05/06/25 16:08	1

Client Sample ID: MW-18A-07
Lab Sample ID: 310-305292-2
Date Collected: 04/29/25 09:25
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<10.0		10.0	0.740	ug/L		05/02/25 07:08	05/06/25 16:08	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		05/02/25 07:08	05/06/25 16:08	1
2,4-Dichlorophenol	<10.0	*1	10.0	0.850	ug/L		05/02/25 07:08	05/06/25 16:08	1
2,6-Dichlorophenol	<10.0	*- *1	10.0	0.690	ug/L		05/02/25 07:08	05/06/25 16:08	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		05/02/25 07:08	05/06/25 16:08	1
Dimethoate	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 12:06	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		05/02/25 07:08	05/08/25 12:06	1
3,3'-Dimethylbenzidine	<10.0	*1	10.0	1.50	ug/L		05/02/25 07:08	05/08/25 12:06	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		05/02/25 07:08	05/06/25 16:08	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		05/02/25 07:08	05/06/25 16:08	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		05/02/25 07:08	05/06/25 16:08	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/06/25 16:08	1
4,6-Dinitro-2-methylphenol	<10.0	*- *1	10.0	6.90	ug/L		05/02/25 07:08	05/06/25 16:08	1
2,4-Dinitrophenol	<20.0	*- *1	20.0	13.0	ug/L		05/02/25 07:08	05/06/25 16:08	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		05/02/25 07:08	05/06/25 16:08	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		05/02/25 07:08	05/06/25 16:08	1
Di-n-octyl phthalate	<20.0	*1	20.0	7.00	ug/L		05/02/25 07:08	05/06/25 16:08	1
Dinoseb	<10.0	*- *1	10.0	2.40	ug/L		05/02/25 07:08	05/08/25 12:06	1
Diphenylamine	<10.0		10.0	6.00	ug/L		05/02/25 07:08	05/06/25 16:08	1
Disulfoton	<10.0		10.0	2.40	ug/L		05/02/25 07:08	05/08/25 12:06	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 12:06	1
Ethyl Parathion	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 12:06	1
Famphur	<10.0		10.0	3.80	ug/L		05/02/25 07:08	05/14/25 14:12	1
Fluoranthene	<10.0		10.0	1.70	ug/L		05/02/25 07:08	05/06/25 16:08	1
Fluorene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/06/25 16:08	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/06/25 16:08	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		05/02/25 07:08	05/06/25 16:08	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		05/02/25 07:08	05/06/25 16:08	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		05/02/25 07:08	05/06/25 16:08	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		05/02/25 07:08	05/08/25 12:06	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		05/02/25 07:08	05/06/25 16:08	1
Isodrin	<10.0		10.0	4.70	ug/L		05/02/25 07:08	05/08/25 12:06	1
Isophorone	<10.0		10.0	0.930	ug/L		05/02/25 07:08	05/06/25 16:08	1
Isosafrole	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 12:06	1
Kepone	<10.0		10.0	1.00	ug/L		05/02/25 07:08	05/08/25 12:06	1
Methapyrilene	<10.0	*1	10.0	0.760	ug/L		05/02/25 07:08	05/08/25 12:06	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		05/02/25 07:08	05/08/25 12:06	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		05/02/25 07:08	05/08/25 12:06	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		05/02/25 07:08	05/06/25 16:08	1
Methyl parathion	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 12:06	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		05/02/25 07:08	05/06/25 16:08	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/06/25 16:08	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 12:06	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		05/02/25 07:08	05/08/25 12:06	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		05/02/25 07:08	05/08/25 12:06	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		05/02/25 07:08	05/06/25 16:08	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/06/25 16:08	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		05/02/25 07:08	05/06/25 16:08	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		05/02/25 07:08	05/06/25 16:08	1

Client Sample ID: MW-18A-07
Lab Sample ID: 310-305292-2

Date Collected: 04/29/25 09:25
Matrix: Water

Date Received: 04/30/25 15:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 12:06	1
2-Nitrophenol	<10.0	*1	10.0	6.80	ug/L		05/02/25 07:08	05/06/25 16:08	1
4-Nitrophenol	<10.0	*- *1	10.0	7.60	ug/L		05/02/25 07:08	05/06/25 16:08	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		05/02/25 07:08	05/08/25 12:06	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		05/02/25 07:08	05/06/25 16:08	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		05/02/25 07:08	05/08/25 12:06	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		05/02/25 07:08	05/06/25 16:08	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		05/02/25 07:08	05/06/25 16:08	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		05/02/25 07:08	05/08/25 12:06	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 12:06	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 12:06	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/08/25 12:06	1
o-Toluidine	<10.0		10.0	2.90	ug/L		05/02/25 07:08	05/08/25 12:06	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 12:06	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 12:06	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		05/02/25 07:08	05/08/25 12:06	1
Pentachlorophenol	<10.0	*- *1	10.0	9.60	ug/L		05/02/25 07:08	05/06/25 16:08	1
Phenacetin	<10.0		10.0	1.90	ug/L		05/02/25 07:08	05/08/25 12:06	1
Phenanthrene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/06/25 16:08	1
Phenol	<10.0		10.0	1.10	ug/L		05/02/25 07:08	05/06/25 16:08	1
1,4-phenylenediamine	<10.0	*- *1	10.0	1.90	ug/L		05/02/25 07:08	05/08/25 12:06	1
Phorate	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/08/25 12:06	1
Pronamide	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 12:06	1
Pyrene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/06/25 16:08	1
Safrole	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 12:06	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		05/02/25 07:08	05/06/25 16:08	1
2,3,4,6-Tetrachlorophenol	<10.0	*- *1	10.0	5.30	ug/L		05/02/25 07:08	05/06/25 16:08	1
Thionazin	<10.0		10.0	3.50	ug/L		05/02/25 07:08	05/08/25 12:06	1
2,4,5-Trichlorophenol	<10.0	*- *1	10.0	5.30	ug/L		05/02/25 07:08	05/06/25 16:08	1
2,4,6-Trichlorophenol	<10.0	*- *1	10.0	5.00	ug/L		05/02/25 07:08	05/06/25 16:08	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*39 - 118*	*05/02/25 07:08*	*05/06/25 16:08*	*1*
2-Fluorophenol (Surr)	*42*		*25 - 110*	*05/02/25 07:08*	*05/06/25 16:08*	*1*
Nitrobenzene-d5 (Surr)	*51*		*45 - 129*	*05/02/25 07:08*	*05/06/25 16:08*	*1*
Phenol-d5 (Surr)	*36*		*21 - 110*	*05/02/25 07:08*	*05/06/25 16:08*	*1*
Terphenyl-d14 (Surr)	*55*		*12 - 144*	*05/02/25 07:08*	*05/06/25 16:08*	*1*
2,4,6-Tribromophenol (Surr)	*56*		*27 - 136*	*05/02/25 07:08*	*05/06/25 16:08*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/02/25 18:43	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/02/25 18:43	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0904		0.0904	0.0226	ug/L		05/01/25 12:36	05/05/25 13:41	1
4,4'-DDE	<0.0904		0.0904	0.0271	ug/L		05/01/25 12:36	05/05/25 13:41	1
4,4'-DDT	<0.0904		0.0904	0.0181	ug/L		05/01/25 12:36	05/05/25 13:41	1

Client Sample ID: MW-18A-07

Date Collected: 04/29/25 09:25
Date Received: 04/30/25 15:00

Lab Sample ID: 310-305292-2

Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0904		0.0904	0.0199	ug/L		05/01/25 12:36	05/05/25 13:41	1
alpha-BHC	<0.0904		0.0904	0.00904	ug/L		05/01/25 12:36	05/05/25 13:41	1
beta-BHC	<0.0904		0.0904	0.0380	ug/L		05/01/25 12:36	05/05/25 13:41	1
Chlordane (technical)	<1.81		1.81	0.353	ug/L		05/01/25 12:36	05/05/25 13:41	1
delta-BHC	<0.0904		0.0904	0.0289	ug/L		05/01/25 12:36	05/05/25 13:41	1
Dieldrin	<0.0904		0.0904	0.0190	ug/L		05/01/25 12:36	05/05/25 13:41	1
Endosulfan I	<0.0904		0.0904	0.0253	ug/L		05/01/25 12:36	05/05/25 13:41	1
Endosulfan II	<0.0904		0.0904	0.0235	ug/L		05/01/25 12:36	05/05/25 13:41	1
Endosulfan sulfate	<0.0904		0.0904	0.0163	ug/L		05/01/25 12:36	05/05/25 13:41	1
Endrin	<0.0904		0.0904	0.0253	ug/L		05/01/25 12:36	05/05/25 13:41	1
Endrin aldehyde	<0.0904		0.0904	0.0244	ug/L		05/01/25 12:36	05/05/25 13:41	1
gamma-BHC (Lindane)	<0.0904		0.0904	0.00904	ug/L		05/01/25 12:36	05/05/25 13:41	1
Heptachlor	<0.0904		0.0904	0.0208	ug/L		05/01/25 12:36	05/05/25 13:41	1
Heptachlor epoxide	<0.0904		0.0904	0.0289	ug/L		05/01/25 12:36	05/05/25 13:41	1
Methoxychlor	<0.0904		0.0904	0.0289	ug/L		05/01/25 12:36	05/05/25 13:41	1
Toxaphene	<1.81		1.81	0.904	ug/L		05/01/25 12:36	05/05/25 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*10 - 150*	*05/01/25 12:36*	*05/05/25 13:41*	*1*
Tetrachloro-m-xylene	*68*		*17 - 150*	*05/01/25 12:36*	*05/05/25 13:41*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.81		1.81	0.742	ug/L		05/01/25 12:36	05/05/25 13:41	1
PCB-1221	<1.81		1.81	0.742	ug/L		05/01/25 12:36	05/05/25 13:41	1
PCB-1232	<1.81		1.81	0.742	ug/L		05/01/25 12:36	05/05/25 13:41	1
PCB-1242	<1.81		1.81	0.742	ug/L		05/01/25 12:36	05/05/25 13:41	1
PCB-1248	<1.81		1.81	0.624	ug/L		05/01/25 12:36	05/05/25 13:41	1
PCB-1254	<1.81		1.81	0.624	ug/L		05/01/25 12:36	05/05/25 13:41	1
PCB-1260	<1.81		1.81	0.624	ug/L		05/01/25 12:36	05/05/25 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*10 - 150*	*05/01/25 12:36*	*05/05/25 13:41*	*1*
Tetrachloro-m-xylene	*68*		*17 - 150*	*05/01/25 12:36*	*05/05/25 13:41*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.663		0.663	0.276	ug/L		05/06/25 15:04	05/07/25 10:14	1
Silvex (2,4,5-TP)	<0.0552		0.0552	0.0243	ug/L		05/06/25 15:04	05/07/25 10:14	1
2,4,5-T	<0.166		0.166	0.0718	ug/L		05/06/25 15:04	05/07/25 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*84*		*34 - 142*	*05/06/25 15:04*	*05/07/25 10:14*	*1*
DCAA	*81*		*34 - 142*	*05/06/25 15:04*	*05/07/25 10:14*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200		0.200	0.0780	mg/L			04/30/25 20:28	1
Sulfate	**46.0**		1.00	0.420	mg/L			04/30/25 20:28	1

Client: HDR Inc
Project/Site: Iowa City Landfill Spring 2025

Job ID: 310-305292-1

Client Sample ID: MW-18A-07

Date Collected: 04/29/25 09:25
Date Received: 04/30/25 15:00

Lab Sample ID: 310-305292-2

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 13:56	1
Arsenic	**0.00184**	**J**	0.00200	0.000530	mg/L		05/02/25 09:00	05/02/25 18:37	1
Barium	**0.754**		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 13:56	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/05/25 13:56	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/02/25 18:37	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/02/25 18:37	1
Cobalt	**0.00164**		0.000500	0.000170	mg/L		05/02/25 09:00	05/02/25 18:37	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/02/25 18:37	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/02/25 18:37	1
Nickel	**0.00351**	**J**	0.00500	0.00230	mg/L		05/02/25 09:00	05/02/25 18:37	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/02/25 18:37	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/02/25 18:37	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/02/25 18:37	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/02/25 18:37	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/02/25 18:37	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 13:56	1
Iron	**1.39**		0.100	0.0500	mg/L		05/02/25 09:00	05/05/25 13:56	1
Manganese	**0.0499**		0.0100	0.00360	mg/L		05/02/25 09:00	05/05/25 13:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/08/25 12:33	05/09/25 13:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/05/25 09:51	05/07/25 21:16	1
Sulfide (SW846 9034)	<1.00	H	1.00	0.231	mg/L			05/07/25 22:09	1
Total Organic Carbon (SW846 9060A)	**2.93**		1.00	0.500	mg/L			05/06/25 22:05	1
Total Suspended Solids (USGS I-3765-85)	**3.75**		1.88	1.31	mg/L			05/03/25 08:13	1

Client Sample ID: MW-206A
Lab Sample ID: 310-305292-3

Date Collected: 04/29/25 10:41
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/02/25 06:43	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/02/25 06:43	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/02/25 06:43	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/02/25 06:43	1
1,1-Dichloroethane	**1.61**		1.00	0.220	ug/L			05/06/25 12:10	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/02/25 06:43	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/02/25 06:43	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/02/25 06:43	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/02/25 06:43	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/02/25 06:43	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/02/25 06:43	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/02/25 06:43	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/02/25 06:43	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/02/25 06:43	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/02/25 06:43	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/02/25 06:43	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/02/25 06:43	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/02/25 06:43	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/02/25 06:43	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/02/25 06:43	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/02/25 06:43	1
Acetone	<10.0		10.0	3.10	ug/L			05/02/25 06:43	1
Acrolein	<10.0		10.0	3.60	ug/L			05/02/25 06:43	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/02/25 06:43	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/02/25 06:43	1
Benzene	<0.500		0.500	0.220	ug/L			05/02/25 06:43	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/02/25 06:43	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/02/25 06:43	1
Bromoform	<5.00		5.00	0.780	ug/L			05/02/25 06:43	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/02/25 06:43	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/02/25 06:43	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/02/25 06:43	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/02/25 06:43	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/02/25 06:43	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/02/25 06:43	1
Chloroform	<3.00		3.00	1.30	ug/L			05/02/25 06:43	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/02/25 06:43	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/02/25 06:43	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/06/25 12:10	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/02/25 06:43	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/02/25 06:43	1
Dichlorodifluoromethane	**0.963**	**J**	3.00	0.250	ug/L			05/06/25 12:10	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/02/25 06:43	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/02/25 06:43	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/02/25 06:43	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/02/25 06:43	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/02/25 06:43	1
Methylene Chloride	<5.00	*+	5.00	1.70	ug/L			05/02/25 06:43	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/02/25 06:43	1

Client Sample ID: MW-206A
Lab Sample ID: 310-305292-3
Date Collected: 04/29/25 10:41
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/02/25 06:43	1
Styrene	<1.00		1.00	0.370	ug/L			05/02/25 06:43	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/06/25 12:10	1
Toluene	<1.00		1.00	0.430	ug/L			05/02/25 06:43	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/02/25 06:43	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/02/25 06:43	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/02/25 06:43	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/02/25 06:43	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/02/25 06:43	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/02/25 06:43	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/02/25 06:43	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/02/25 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*76 - 130*		*05/02/25 06:43*	*1*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*05/06/25 12:10*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*05/02/25 06:43*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/06/25 12:10*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/02/25 06:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/06/25 12:10*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		05/02/25 07:08	05/06/25 16:39	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		05/02/25 07:08	05/06/25 16:39	1
Acetophenone	<10.0		10.0	0.690	ug/L		05/02/25 07:08	05/06/25 16:39	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 12:32	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 12:32	1
Anthracene	<10.0		10.0	0.870	ug/L		05/02/25 07:08	05/06/25 16:39	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		05/02/25 07:08	05/06/25 16:39	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		05/02/25 07:08	05/06/25 16:39	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		05/02/25 07:08	05/06/25 16:39	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		05/02/25 07:08	05/06/25 16:39	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/06/25 16:39	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		05/02/25 07:08	05/06/25 16:39	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		05/02/25 07:08	05/06/25 16:39	1
Bis(2-chloroethyl)ether	<10.0	*1	10.0	0.820	ug/L		05/02/25 07:08	05/06/25 16:39	1
bis (2-chloroisopropyl) ether	<10.0	*1	10.0	0.540	ug/L		05/02/25 07:08	05/06/25 16:39	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		05/02/25 07:08	05/06/25 16:39	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/06/25 16:39	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		05/02/25 07:08	05/06/25 16:39	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		05/02/25 07:08	05/06/25 16:39	1
Chlorobenzilate	<10.0	*+	10.0	3.60	ug/L		05/02/25 07:08	05/14/25 08:16	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		05/02/25 07:08	05/06/25 16:39	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		05/02/25 07:08	05/06/25 16:39	1
2-Chlorophenol	<10.0	*- *1	10.0	0.540	ug/L		05/02/25 07:08	05/06/25 16:39	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		05/02/25 07:08	05/06/25 16:39	1
Chrysene	<10.0		10.0	0.870	ug/L		05/02/25 07:08	05/06/25 16:39	1
Diallate	<10.0		10.0	4.00	ug/L		05/02/25 07:08	05/08/25 12:32	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		05/02/25 07:08	05/06/25 16:39	1

Client Sample ID: MW-206A
Lab Sample ID: 310-305292-3
Date Collected: 04/29/25 10:41
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<10.0		10.0	0.740	ug/L		05/02/25 07:08	05/06/25 16:39	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		05/02/25 07:08	05/06/25 16:39	1
2,4-Dichlorophenol	<10.0	*1	10.0	0.850	ug/L		05/02/25 07:08	05/06/25 16:39	1
2,6-Dichlorophenol	<10.0	*- *1	10.0	0.690	ug/L		05/02/25 07:08	05/06/25 16:39	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		05/02/25 07:08	05/06/25 16:39	1
Dimethoate	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 12:32	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		05/02/25 07:08	05/08/25 12:32	1
3,3'-Dimethylbenzidine	<10.0	*1	10.0	1.50	ug/L		05/02/25 07:08	05/08/25 12:32	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		05/02/25 07:08	05/06/25 16:39	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		05/02/25 07:08	05/06/25 16:39	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		05/02/25 07:08	05/06/25 16:39	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/06/25 16:39	1
4,6-Dinitro-2-methylphenol	<10.0	*- *1	10.0	6.90	ug/L		05/02/25 07:08	05/06/25 16:39	1
2,4-Dinitrophenol	<20.0	*- *1	20.0	13.0	ug/L		05/02/25 07:08	05/06/25 16:39	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		05/02/25 07:08	05/06/25 16:39	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		05/02/25 07:08	05/06/25 16:39	1
Di-n-octyl phthalate	<20.0	*1	20.0	7.00	ug/L		05/02/25 07:08	05/06/25 16:39	1
Dinoseb	<10.0	*- *1	10.0	2.40	ug/L		05/02/25 07:08	05/08/25 12:32	1
Diphenylamine	<10.0		10.0	6.00	ug/L		05/02/25 07:08	05/06/25 16:39	1
Disulfoton	<10.0		10.0	2.40	ug/L		05/02/25 07:08	05/08/25 12:32	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 12:32	1
Ethyl Parathion	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 12:32	1
Famphur	<10.0		10.0	3.80	ug/L		05/02/25 07:08	05/14/25 14:32	1
Fluoranthene	<10.0		10.0	1.70	ug/L		05/02/25 07:08	05/06/25 16:39	1
Fluorene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/06/25 16:39	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/06/25 16:39	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		05/02/25 07:08	05/06/25 16:39	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		05/02/25 07:08	05/06/25 16:39	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		05/02/25 07:08	05/06/25 16:39	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		05/02/25 07:08	05/08/25 12:32	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		05/02/25 07:08	05/06/25 16:39	1
Isodrin	<10.0		10.0	4.70	ug/L		05/02/25 07:08	05/08/25 12:32	1
Isophorone	<10.0		10.0	0.930	ug/L		05/02/25 07:08	05/06/25 16:39	1
Isosafrole	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 12:32	1
Kepone	<10.0		10.0	1.00	ug/L		05/02/25 07:08	05/08/25 12:32	1
Methapyrilene	<10.0	*1	10.0	0.760	ug/L		05/02/25 07:08	05/08/25 12:32	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		05/02/25 07:08	05/08/25 12:32	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		05/02/25 07:08	05/08/25 12:32	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		05/02/25 07:08	05/06/25 16:39	1
Methyl parathion	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 12:32	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		05/02/25 07:08	05/06/25 16:39	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/06/25 16:39	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 12:32	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		05/02/25 07:08	05/08/25 12:32	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		05/02/25 07:08	05/08/25 12:32	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		05/02/25 07:08	05/06/25 16:39	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/06/25 16:39	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		05/02/25 07:08	05/06/25 16:39	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		05/02/25 07:08	05/06/25 16:39	1

Client Sample ID: MW-206A
Lab Sample ID: 310-305292-3

Date Collected: 04/29/25 10:41
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 12:32	1
2-Nitrophenol	<10.0	*1	10.0	6.80	ug/L		05/02/25 07:08	05/06/25 16:39	1
4-Nitrophenol	<10.0	*- *1	10.0	7.60	ug/L		05/02/25 07:08	05/06/25 16:39	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		05/02/25 07:08	05/08/25 12:32	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		05/02/25 07:08	05/06/25 16:39	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		05/02/25 07:08	05/08/25 12:32	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		05/02/25 07:08	05/06/25 16:39	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		05/02/25 07:08	05/06/25 16:39	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		05/02/25 07:08	05/08/25 12:32	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 12:32	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 12:32	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/08/25 12:32	1
o-Toluidine	<10.0		10.0	2.90	ug/L		05/02/25 07:08	05/08/25 12:32	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 12:32	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 12:32	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		05/02/25 07:08	05/08/25 12:32	1
Pentachlorophenol	<10.0	*- *1	10.0	9.60	ug/L		05/02/25 07:08	05/06/25 16:39	1
Phenacetin	<10.0		10.0	1.90	ug/L		05/02/25 07:08	05/08/25 12:32	1
Phenanthrene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/06/25 16:39	1
Phenol	<10.0		10.0	1.10	ug/L		05/02/25 07:08	05/06/25 16:39	1
1,4-phenylenediamine	<10.0	*- *1	10.0	1.90	ug/L		05/02/25 07:08	05/08/25 12:32	1
Phorate	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/08/25 12:32	1
Pronamide	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 12:32	1
Pyrene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/06/25 16:39	1
Safrole	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 12:32	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		05/02/25 07:08	05/06/25 16:39	1
2,3,4,6-Tetrachlorophenol	<10.0	*- *1	10.0	5.30	ug/L		05/02/25 07:08	05/06/25 16:39	1
Thionazin	<10.0		10.0	3.50	ug/L		05/02/25 07:08	05/08/25 12:32	1
2,4,5-Trichlorophenol	<10.0	*- *1	10.0	5.30	ug/L		05/02/25 07:08	05/06/25 16:39	1
2,4,6-Trichlorophenol	<10.0	*- *1	10.0	5.00	ug/L		05/02/25 07:08	05/06/25 16:39	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*85*		*39 - 118*	*05/02/25 07:08*	*05/06/25 16:39*	*1*
2-Fluorophenol (Surr)	*61*		*25 - 110*	*05/02/25 07:08*	*05/06/25 16:39*	*1*
Nitrobenzene-d5 (Surr)	*76*		*45 - 129*	*05/02/25 07:08*	*05/06/25 16:39*	*1*
Phenol-d5 (Surr)	*53*		*21 - 110*	*05/02/25 07:08*	*05/06/25 16:39*	*1*
Terphenyl-d14 (Surr)	*72*		*12 - 144*	*05/02/25 07:08*	*05/06/25 16:39*	*1*
2,4,6-Tribromophenol (Surr)	*73*		*27 - 136*	*05/02/25 07:08*	*05/06/25 16:39*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/02/25 19:05	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/02/25 19:05	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0900		0.0900	0.0225	ug/L		05/01/25 12:36	05/05/25 13:54	1
4,4'-DDE	<0.0900		0.0900	0.0270	ug/L		05/01/25 12:36	05/05/25 13:54	1
4,4'-DDT	<0.0900		0.0900	0.0180	ug/L		05/01/25 12:36	05/05/25 13:54	1

Client Sample ID: MW-206A
Lab Sample ID: 310-305292-3

Date Collected: 04/29/25 10:41
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0900		0.0900	0.0198	ug/L		05/01/25 12:36	05/05/25 13:54	1
alpha-BHC	<0.0900		0.0900	0.00900	ug/L		05/01/25 12:36	05/05/25 13:54	1
beta-BHC	<0.0900		0.0900	0.0378	ug/L		05/01/25 12:36	05/05/25 13:54	1
Chlordane (technical)	<1.80		1.80	0.351	ug/L		05/01/25 12:36	05/05/25 13:54	1
delta-BHC	<0.0900		0.0900	0.0288	ug/L		05/01/25 12:36	05/05/25 13:54	1
Dieldrin	<0.0900		0.0900	0.0189	ug/L		05/01/25 12:36	05/05/25 13:54	1
Endosulfan I	<0.0900		0.0900	0.0252	ug/L		05/01/25 12:36	05/05/25 13:54	1
Endosulfan II	<0.0900		0.0900	0.0234	ug/L		05/01/25 12:36	05/05/25 13:54	1
Endosulfan sulfate	<0.0900		0.0900	0.0162	ug/L		05/01/25 12:36	05/05/25 13:54	1
Endrin	<0.0900		0.0900	0.0252	ug/L		05/01/25 12:36	05/05/25 13:54	1
Endrin aldehyde	<0.0900		0.0900	0.0243	ug/L		05/01/25 12:36	05/05/25 13:54	1
gamma-BHC (Lindane)	<0.0900		0.0900	0.00900	ug/L		05/01/25 12:36	05/05/25 13:54	1
Heptachlor	<0.0900		0.0900	0.0207	ug/L		05/01/25 12:36	05/05/25 13:54	1
Heptachlor epoxide	<0.0900		0.0900	0.0288	ug/L		05/01/25 12:36	05/05/25 13:54	1
Methoxychlor	<0.0900		0.0900	0.0288	ug/L		05/01/25 12:36	05/05/25 13:54	1
Toxaphene	<1.80		1.80	0.900	ug/L		05/01/25 12:36	05/05/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*54*		*10 - 150*	*05/01/25 12:36*	*05/05/25 13:54*	*1*
Tetrachloro-m-xylene	*41*		*17 - 150*	*05/01/25 12:36*	*05/05/25 13:54*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.80		1.80	0.738	ug/L		05/01/25 12:36	05/05/25 13:54	1
PCB-1221	<1.80		1.80	0.738	ug/L		05/01/25 12:36	05/05/25 13:54	1
PCB-1232	<1.80		1.80	0.738	ug/L		05/01/25 12:36	05/05/25 13:54	1
PCB-1242	<1.80		1.80	0.738	ug/L		05/01/25 12:36	05/05/25 13:54	1
PCB-1248	<1.80		1.80	0.621	ug/L		05/01/25 12:36	05/05/25 13:54	1
PCB-1254	<1.80		1.80	0.621	ug/L		05/01/25 12:36	05/05/25 13:54	1
PCB-1260	<1.80		1.80	0.621	ug/L		05/01/25 12:36	05/05/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*54*		*10 - 150*	*05/01/25 12:36*	*05/05/25 13:54*	*1*
Tetrachloro-m-xylene	*41*		*17 - 150*	*05/01/25 12:36*	*05/05/25 13:54*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.639		0.639	0.266	ug/L		05/06/25 15:04	05/07/25 10:50	1
Silvex (2,4,5-TP)	<0.0532		0.0532	0.0234	ug/L		05/06/25 15:04	05/07/25 10:50	1
2,4,5-T	<0.160		0.160	0.0692	ug/L		05/06/25 15:04	05/07/25 10:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*65*		*34 - 142*	*05/06/25 15:04*	*05/07/25 10:50*	*1*
DCAA	*62*		*34 - 142*	*05/06/25 15:04*	*05/07/25 10:50*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200		0.200	0.0780	mg/L			04/30/25 20:41	1
Sulfate	**61.6**		1.00	0.420	mg/L			04/30/25 20:41	1

Client: HDR Inc
Project/Site: Iowa City Landfill Spring 2025

Job ID: 310-305292-1

Client Sample ID: MW-206A

Date Collected: 04/29/25 10:41
Date Received: 04/30/25 15:00

Lab Sample ID: 310-305292-3

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/09/25 15:49	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/02/25 09:00	05/09/25 15:49	1
Barium	**0.0774**		0.00200	0.000660	mg/L		05/02/25 09:00	05/09/25 15:49	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/09/25 15:49	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/09/25 15:49	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/09/25 15:49	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/09/25 15:49	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/09/25 15:49	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/09/25 15:49	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/10/25 16:14	1
Selenium	**0.00230**	**J**	0.00500	0.00140	mg/L		05/02/25 09:00	05/09/25 15:49	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/09/25 15:49	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/09/25 15:49	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/09/25 15:49	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/09/25 15:49	1
Tin	<0.00500	^+	0.00500	0.00250	mg/L		05/02/25 09:00	05/09/25 15:49	1
Iron	<0.100		0.100	0.0500	mg/L		05/02/25 09:00	05/09/25 15:49	1
Manganese	<0.0100		0.0100	0.00360	mg/L		05/02/25 09:00	05/09/25 15:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/08/25 12:33	05/09/25 13:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/05/25 09:51	05/07/25 21:12	1
Sulfide (SW846 9034)	<1.00	H	1.00	0.231	mg/L			05/07/25 22:12	1
Total Organic Carbon (SW846 9060A)	**4.10**		1.00	0.500	mg/L			05/06/25 22:41	1
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			05/03/25 08:13	1

Client: HDR Inc
Project/Site: Iowa City Landfill Spring 2025

Job ID: 310-305292-1

Client Sample ID: MW-16A

Date Collected: 04/29/25 13:05
Date Received: 04/30/25 15:00

Lab Sample ID: 310-305292-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/02/25 07:05	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/02/25 07:05	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/02/25 07:05	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/02/25 07:05	1
1,1-Dichloroethane	**3.30**		1.00	0.220	ug/L			05/02/25 07:05	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/02/25 07:05	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/02/25 07:05	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/02/25 07:05	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/02/25 07:05	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/02/25 07:05	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/02/25 07:05	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/02/25 07:05	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/02/25 07:05	1
1,2-Dichloropropane	**0.765**	**J**	1.00	0.270	ug/L			05/02/25 07:05	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/02/25 07:05	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/02/25 07:05	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/02/25 07:05	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/02/25 07:05	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/02/25 07:05	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/02/25 07:05	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/02/25 07:05	1
Acetone	<10.0		10.0	3.10	ug/L			05/02/25 07:05	1
Acrolein	<10.0		10.0	3.60	ug/L			05/02/25 07:05	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/02/25 07:05	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/02/25 07:05	1
Benzene	<0.500		0.500	0.220	ug/L			05/02/25 07:05	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/02/25 07:05	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/02/25 07:05	1
Bromoform	<5.00		5.00	0.780	ug/L			05/02/25 07:05	1
Dichlorodifluoromethane	**1.83**	**J**	3.00	0.250	ug/L			05/08/25 20:14	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/02/25 07:05	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/02/25 07:05	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/02/25 07:05	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/02/25 07:05	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/02/25 07:05	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/02/25 07:05	1
Chloroform	<3.00		3.00	1.30	ug/L			05/02/25 07:05	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/02/25 07:05	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/02/25 07:05	1
cis-1,2-Dichloroethene	**3.45**		1.00	0.210	ug/L			05/02/25 07:05	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/02/25 07:05	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/02/25 07:05	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/02/25 07:05	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/02/25 07:05	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/02/25 07:05	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/02/25 07:05	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/02/25 07:05	1
Methylene Chloride	<5.00	*+	5.00	1.70	ug/L			05/02/25 07:05	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/02/25 07:05	1

Client Sample ID: MW-16A
Lab Sample ID: 310-305292-4
Date Collected: 04/29/25 13:05
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/02/25 07:05	1
Styrene	<1.00		1.00	0.370	ug/L			05/02/25 07:05	1
Tetrachloroethene	**1.06**		1.00	0.480	ug/L			05/02/25 07:05	1
Toluene	<1.00		1.00	0.430	ug/L			05/02/25 07:05	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/02/25 07:05	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/02/25 07:05	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/02/25 07:05	1
Trichloroethene	**0.480**	**J**	1.00	0.430	ug/L			05/02/25 07:05	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/02/25 07:05	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/02/25 07:05	1
Vinyl chloride	**0.489**	**J**	1.00	0.180	ug/L			05/02/25 07:05	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/02/25 07:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*05/08/25 20:14*	*1*
Dibromofluoromethane (Surr)	*110*		*76 - 130*		*05/08/25 20:14*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/08/25 20:14*	*1*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*05/02/25 07:05*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/02/25 07:05*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*05/02/25 07:05*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		05/02/25 07:08	05/06/25 17:10	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		05/02/25 07:08	05/06/25 17:10	1
Acetophenone	<10.0		10.0	0.690	ug/L		05/02/25 07:08	05/06/25 17:10	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 12:59	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 12:59	1
Anthracene	<10.0		10.0	0.870	ug/L		05/02/25 07:08	05/06/25 17:10	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		05/02/25 07:08	05/06/25 17:10	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		05/02/25 07:08	05/06/25 17:10	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		05/02/25 07:08	05/06/25 17:10	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		05/02/25 07:08	05/06/25 17:10	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/06/25 17:10	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		05/02/25 07:08	05/06/25 17:10	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		05/02/25 07:08	05/06/25 17:10	1
Bis(2-chloroethyl)ether	<10.0	*1	10.0	0.820	ug/L		05/02/25 07:08	05/06/25 17:10	1
bis (2-chloroisopropyl) ether	<10.0	*1	10.0	0.540	ug/L		05/02/25 07:08	05/06/25 17:10	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		05/02/25 07:08	05/06/25 17:10	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/06/25 17:10	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		05/02/25 07:08	05/06/25 17:10	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		05/02/25 07:08	05/06/25 17:10	1
Chlorobenzilate	<10.0	*+	10.0	3.60	ug/L		05/02/25 07:08	05/14/25 08:42	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		05/02/25 07:08	05/06/25 17:10	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		05/02/25 07:08	05/06/25 17:10	1
2-Chlorophenol	<10.0	*- *1	10.0	0.540	ug/L		05/02/25 07:08	05/06/25 17:10	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		05/02/25 07:08	05/06/25 17:10	1
Chrysene	<10.0		10.0	0.870	ug/L		05/02/25 07:08	05/06/25 17:10	1
Diallate	<10.0		10.0	4.00	ug/L		05/02/25 07:08	05/08/25 12:59	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		05/02/25 07:08	05/06/25 17:10	1

Client Sample ID: MW-16A
Lab Sample ID: 310-305292-4
Date Collected: 04/29/25 13:05
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<10.0		10.0	0.740	ug/L		05/02/25 07:08	05/06/25 17:10	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		05/02/25 07:08	05/06/25 17:10	1
2,4-Dichlorophenol	<10.0	*1	10.0	0.850	ug/L		05/02/25 07:08	05/06/25 17:10	1
2,6-Dichlorophenol	<10.0	*- *1	10.0	0.690	ug/L		05/02/25 07:08	05/06/25 17:10	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		05/02/25 07:08	05/06/25 17:10	1
Dimethoate	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 12:59	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		05/02/25 07:08	05/08/25 12:59	1
3,3'-Dimethylbenzidine	<10.0	*1	10.0	1.50	ug/L		05/02/25 07:08	05/08/25 12:59	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		05/02/25 07:08	05/06/25 17:10	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		05/02/25 07:08	05/06/25 17:10	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		05/02/25 07:08	05/06/25 17:10	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/06/25 17:10	1
4,6-Dinitro-2-methylphenol	<10.0	*- *1	10.0	6.90	ug/L		05/02/25 07:08	05/06/25 17:10	1
2,4-Dinitrophenol	<20.0	*- *1	20.0	13.0	ug/L		05/02/25 07:08	05/06/25 17:10	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		05/02/25 07:08	05/06/25 17:10	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		05/02/25 07:08	05/06/25 17:10	1
Di-n-octyl phthalate	<20.0	*1	20.0	7.00	ug/L		05/02/25 07:08	05/06/25 17:10	1
Dinoseb	<10.0	*- *1	10.0	2.40	ug/L		05/02/25 07:08	05/08/25 12:59	1
Diphenylamine	<10.0		10.0	6.00	ug/L		05/02/25 07:08	05/06/25 17:10	1
Disulfoton	<10.0		10.0	2.40	ug/L		05/02/25 07:08	05/08/25 12:59	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 12:59	1
Ethyl Parathion	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 12:59	1
Famphur	<10.0		10.0	3.80	ug/L		05/02/25 07:08	05/14/25 14:51	1
Fluoranthene	<10.0		10.0	1.70	ug/L		05/02/25 07:08	05/06/25 17:10	1
Fluorene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/06/25 17:10	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/06/25 17:10	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		05/02/25 07:08	05/06/25 17:10	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		05/02/25 07:08	05/06/25 17:10	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		05/02/25 07:08	05/06/25 17:10	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		05/02/25 07:08	05/08/25 12:59	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		05/02/25 07:08	05/06/25 17:10	1
Isodrin	<10.0		10.0	4.70	ug/L		05/02/25 07:08	05/08/25 12:59	1
Isophorone	<10.0		10.0	0.930	ug/L		05/02/25 07:08	05/06/25 17:10	1
Isosafrole	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 12:59	1
Kepone	<10.0		10.0	1.00	ug/L		05/02/25 07:08	05/08/25 12:59	1
Methapyrilene	<10.0	*1	10.0	0.760	ug/L		05/02/25 07:08	05/08/25 12:59	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		05/02/25 07:08	05/08/25 12:59	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		05/02/25 07:08	05/08/25 12:59	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		05/02/25 07:08	05/06/25 17:10	1
Methyl parathion	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 12:59	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		05/02/25 07:08	05/06/25 17:10	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/06/25 17:10	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 12:59	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		05/02/25 07:08	05/08/25 12:59	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		05/02/25 07:08	05/08/25 12:59	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		05/02/25 07:08	05/06/25 17:10	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/06/25 17:10	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		05/02/25 07:08	05/06/25 17:10	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		05/02/25 07:08	05/06/25 17:10	1

Client Sample ID: MW-16A
Lab Sample ID: 310-305292-4
Date Collected: 04/29/25 13:05
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 12:59	1
2-Nitrophenol	<10.0	*1	10.0	6.80	ug/L		05/02/25 07:08	05/06/25 17:10	1
4-Nitrophenol	<10.0	*- *1	10.0	7.60	ug/L		05/02/25 07:08	05/06/25 17:10	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		05/02/25 07:08	05/08/25 12:59	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		05/02/25 07:08	05/06/25 17:10	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		05/02/25 07:08	05/08/25 12:59	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		05/02/25 07:08	05/06/25 17:10	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		05/02/25 07:08	05/06/25 17:10	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		05/02/25 07:08	05/08/25 12:59	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 12:59	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 12:59	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/08/25 12:59	1
o-Toluidine	<10.0		10.0	2.90	ug/L		05/02/25 07:08	05/08/25 12:59	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 12:59	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 12:59	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		05/02/25 07:08	05/08/25 12:59	1
Pentachlorophenol	<10.0	*- *1	10.0	9.60	ug/L		05/02/25 07:08	05/06/25 17:10	1
Phenacetin	<10.0		10.0	1.90	ug/L		05/02/25 07:08	05/08/25 12:59	1
Phenanthrene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/06/25 17:10	1
Phenol	<10.0		10.0	1.10	ug/L		05/02/25 07:08	05/06/25 17:10	1
1,4-phenylenediamine	<10.0	*- *1	10.0	1.90	ug/L		05/02/25 07:08	05/08/25 12:59	1
Phorate	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/08/25 12:59	1
Pronamide	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 12:59	1
Pyrene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/06/25 17:10	1
Safrole	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 12:59	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		05/02/25 07:08	05/06/25 17:10	1
2,3,4,6-Tetrachlorophenol	<10.0	*- *1	10.0	5.30	ug/L		05/02/25 07:08	05/06/25 17:10	1
Thionazin	<10.0		10.0	3.50	ug/L		05/02/25 07:08	05/08/25 12:59	1
2,4,5-Trichlorophenol	<10.0	*- *1	10.0	5.30	ug/L		05/02/25 07:08	05/06/25 17:10	1
2,4,6-Trichlorophenol	<10.0	*- *1	10.0	5.00	ug/L		05/02/25 07:08	05/06/25 17:10	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*88*		*39 - 118*	*05/02/25 07:08*	*05/06/25 17:10*	*1*
2-Fluorophenol (Surr)	*58*		*25 - 110*	*05/02/25 07:08*	*05/06/25 17:10*	*1*
Nitrobenzene-d5 (Surr)	*76*		*45 - 129*	*05/02/25 07:08*	*05/06/25 17:10*	*1*
Phenol-d5 (Surr)	*49*		*21 - 110*	*05/02/25 07:08*	*05/06/25 17:10*	*1*
Terphenyl-d14 (Surr)	*75*		*12 - 144*	*05/02/25 07:08*	*05/06/25 17:10*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*27 - 136*	*05/02/25 07:08*	*05/06/25 17:10*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/02/25 19:25	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/02/25 19:25	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0904		0.0904	0.0226	ug/L		05/01/25 12:36	05/05/25 14:07	1
4,4'-DDE	<0.0904		0.0904	0.0271	ug/L		05/01/25 12:36	05/05/25 14:07	1
4,4'-DDT	<0.0904		0.0904	0.0181	ug/L		05/01/25 12:36	05/05/25 14:07	1

Client Sample ID: MW-16A

Date Collected: 04/29/25 13:05
Date Received: 04/30/25 15:00

Lab Sample ID: 310-305292-4

Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.0904		0.0904	0.0199	ug/L		05/01/25 12:36	05/05/25 14:07	1
alpha-BHC	<0.0904		0.0904	0.00904	ug/L		05/01/25 12:36	05/05/25 14:07	1
beta-BHC	<0.0904		0.0904	0.0380	ug/L		05/01/25 12:36	05/05/25 14:07	1
Chlordane (technical)	<1.81		1.81	0.353	ug/L		05/01/25 12:36	05/05/25 14:07	1
delta-BHC	<0.0904		0.0904	0.0289	ug/L		05/01/25 12:36	05/05/25 14:07	1
Dieldrin	<0.0904		0.0904	0.0190	ug/L		05/01/25 12:36	05/05/25 14:07	1
Endosulfan I	<0.0904		0.0904	0.0253	ug/L		05/01/25 12:36	05/05/25 14:07	1
Endosulfan II	<0.0904		0.0904	0.0235	ug/L		05/01/25 12:36	05/05/25 14:07	1
Endosulfan sulfate	<0.0904		0.0904	0.0163	ug/L		05/01/25 12:36	05/05/25 14:07	1
Endrin	<0.0904		0.0904	0.0253	ug/L		05/01/25 12:36	05/05/25 14:07	1
Endrin aldehyde	<0.0904		0.0904	0.0244	ug/L		05/01/25 12:36	05/05/25 14:07	1
gamma-BHC (Lindane)	<0.0904		0.0904	0.00904	ug/L		05/01/25 12:36	05/05/25 14:07	1
Heptachlor	<0.0904		0.0904	0.0208	ug/L		05/01/25 12:36	05/05/25 14:07	1
Heptachlor epoxide	<0.0904		0.0904	0.0289	ug/L		05/01/25 12:36	05/05/25 14:07	1
Methoxychlor	<0.0904		0.0904	0.0289	ug/L		05/01/25 12:36	05/05/25 14:07	1
Toxaphene	<1.81		1.81	0.904	ug/L		05/01/25 12:36	05/05/25 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*10 - 150*	*05/01/25 12:36*	*05/05/25 14:07*	*1*
Tetrachloro-m-xylene	*52*		*17 - 150*	*05/01/25 12:36*	*05/05/25 14:07*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.81		1.81	0.742	ug/L		05/01/25 12:36	05/05/25 14:07	1
PCB-1221	<1.81		1.81	0.742	ug/L		05/01/25 12:36	05/05/25 14:07	1
PCB-1232	<1.81		1.81	0.742	ug/L		05/01/25 12:36	05/05/25 14:07	1
PCB-1242	<1.81		1.81	0.742	ug/L		05/01/25 12:36	05/05/25 14:07	1
PCB-1248	<1.81		1.81	0.624	ug/L		05/01/25 12:36	05/05/25 14:07	1
PCB-1254	<1.81		1.81	0.624	ug/L		05/01/25 12:36	05/05/25 14:07	1
PCB-1260	<1.81		1.81	0.624	ug/L		05/01/25 12:36	05/05/25 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*10 - 150*	*05/01/25 12:36*	*05/05/25 14:07*	*1*
Tetrachloro-m-xylene	*52*		*17 - 150*	*05/01/25 12:36*	*05/05/25 14:07*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.646		0.646	0.269	ug/L		05/06/25 15:04	05/07/25 11:25	1
Silvex (2,4,5-TP)	**0.0780**		0.0538	0.0237	ug/L		05/06/25 15:04	05/07/25 11:25	1
2,4,5-T	<0.161		0.161	0.0699	ug/L		05/06/25 15:04	05/07/25 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*85*		*34 - 142*	*05/06/25 15:04*	*05/07/25 11:25*	*1*
DCAA	*82*		*34 - 142*	*05/06/25 15:04*	*05/07/25 11:25*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.469**		0.200	0.0780	mg/L			04/30/25 20:54	1
Sulfate	**19.9**		1.00	0.420	mg/L			04/30/25 20:54	1

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-16A
Lab Sample ID: 310-305292-4
Date Collected: 04/29/25 13:05
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/05/25 10:00	05/08/25 16:47	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/05/25 10:00	05/07/25 16:06	1
Barium	**0.431**		0.00200	0.000660	mg/L		05/05/25 10:00	05/07/25 16:06	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/05/25 10:00	05/07/25 16:06	1
Cadmium	**0.000288**		0.000200	0.000100	mg/L		05/05/25 10:00	05/07/25 16:06	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/05/25 10:00	05/07/25 16:06	1
Cobalt	**0.00257**		0.000500	0.000170	mg/L		05/05/25 10:00	05/07/25 16:06	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/05/25 10:00	05/07/25 16:06	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/05/25 10:00	05/07/25 16:06	1
Nickel	**0.00299**	**J**	0.00500	0.00230	mg/L		05/05/25 10:00	05/07/25 16:06	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/05/25 10:00	05/07/25 16:06	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/05/25 10:00	05/07/25 16:06	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/05/25 10:00	05/07/25 16:06	1
Vanadium	**0.00175**	**J**	0.00500	0.00170	mg/L		05/05/25 10:00	05/07/25 16:06	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/05/25 10:00	05/07/25 16:06	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/05/25 10:00	05/08/25 16:47	1
Iron	<0.100		0.100	0.0500	mg/L		05/05/25 10:00	05/07/25 16:06	1
Manganese	**0.318**		0.0100	0.00360	mg/L		05/05/25 10:00	05/07/25 16:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200	^+	0.000200	0.000110	mg/L		05/09/25 13:22	05/12/25 12:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/05/25 09:51	05/07/25 21:13	1
Sulfide (SW846 9034)	<1.00	H	1.00	0.231	mg/L			05/07/25 22:16	1
Total Organic Carbon (SW846 9060A)	**2.38**		1.00	0.500	mg/L			05/07/25 00:30	1
Total Suspended Solids (USGS I-3765-85)	**2.13**		1.88	1.31	mg/L			05/03/25 08:13	1

Client: HDR Inc
Project/Site: Iowa City Landfill Spring 2025

Job ID: 310-305292-1

Client Sample ID: Trip Blank 1
Date Collected: 04/29/25 00:00
Date Received: 04/30/25 15:00

Lab Sample ID: 310-305292-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0	3.10	ug/L			05/02/25 03:42	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/02/25 03:42	1
Benzene	<0.500		0.500	0.220	ug/L			05/02/25 03:42	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/02/25 03:42	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/02/25 03:42	1
Bromoform	<5.00		5.00	0.780	ug/L			05/02/25 03:42	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/02/25 03:42	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/02/25 03:42	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/02/25 03:42	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/02/25 03:42	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/02/25 03:42	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/02/25 03:42	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/02/25 03:42	1
Chloroform	<3.00		3.00	1.30	ug/L			05/02/25 03:42	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/02/25 03:42	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/02/25 03:42	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/02/25 03:42	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/02/25 03:42	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/02/25 03:42	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/02/25 03:42	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/02/25 03:42	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/02/25 03:42	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/02/25 03:42	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/02/25 03:42	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/02/25 03:42	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/02/25 03:42	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/02/25 03:42	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/02/25 03:42	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/02/25 03:42	1
Methylene Chloride	<5.00	*+	5.00	1.70	ug/L			05/02/25 03:42	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/02/25 03:42	1
Styrene	<1.00		1.00	0.370	ug/L			05/02/25 03:42	1
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/02/25 03:42	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/02/25 03:42	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/02/25 03:42	1
Toluene	<1.00		1.00	0.430	ug/L			05/02/25 03:42	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/02/25 03:42	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/02/25 03:42	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/02/25 03:42	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/02/25 03:42	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/02/25 03:42	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/02/25 03:42	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/02/25 03:42	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/02/25 03:42	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/02/25 03:42	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/02/25 03:42	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/02/25 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/02/25 03:42*	*1*

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 1
Lab Sample ID: 310-305292-5
Date Collected: 04/29/25 00:00
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	118		76 - 130		05/02/25 03:42	1
Toluene-d8 (Surr)	90		80 - 120		05/02/25 03:42	1

Client: HDR Inc
Project/Site: Iowa City Landfill Spring 2025

Job ID: 310-305292-1

Client Sample ID: Trip Blank 2

Date Collected: 04/29/25 00:00
Date Received: 04/30/25 15:00

Lab Sample ID: 310-305292-6

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/02/25 04:05	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/02/25 04:05	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/02/25 04:05	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/02/25 04:05	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/02/25 04:05	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/02/25 04:05	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/02/25 04:05	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/02/25 04:05	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/02/25 04:05	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/02/25 04:05	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/02/25 04:05	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/02/25 04:05	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/02/25 04:05	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/02/25 04:05	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/02/25 04:05	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/02/25 04:05	1
Acetone	<10.0		10.0	3.10	ug/L			05/02/25 04:05	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/02/25 04:05	1
Benzene	<0.500		0.500	0.220	ug/L			05/02/25 04:05	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/02/25 04:05	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/02/25 04:05	1
Bromoform	<5.00		5.00	0.780	ug/L			05/02/25 04:05	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/02/25 04:05	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/02/25 04:05	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/02/25 04:05	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/02/25 04:05	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/02/25 04:05	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/02/25 04:05	1
Chloroform	<3.00		3.00	1.30	ug/L			05/02/25 04:05	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/02/25 04:05	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/02/25 04:05	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/02/25 04:05	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/02/25 04:05	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/02/25 04:05	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/02/25 04:05	1
Methylene Chloride	<5.00	*+	5.00	1.70	ug/L			05/02/25 04:05	1
Styrene	<1.00		1.00	0.370	ug/L			05/02/25 04:05	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/02/25 04:05	1
Toluene	<1.00		1.00	0.430	ug/L			05/02/25 04:05	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/02/25 04:05	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/02/25 04:05	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/02/25 04:05	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/02/25 04:05	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/02/25 04:05	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/02/25 04:05	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/02/25 04:05	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/02/25 04:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*05/02/25 04:05*	*1*

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 2
Lab Sample ID: 310-305292-6
Date Collected: 04/29/25 00:00
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		80 - 120		05/02/25 04:05	1
4-Bromofluorobenzene (Surr)	102		80 - 120		05/02/25 04:05	1

Client: HDR Inc
Project/Site: Iowa City Landfill Spring 2025

Job ID: 310-305292-1

Client Sample ID: Trip Blank 3

Date Collected: 04/29/25 00:00
Date Received: 04/30/25 15:00

Lab Sample ID: 310-305292-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0	3.10	ug/L			05/02/25 04:27	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/02/25 04:27	1
Benzene	<0.500		0.500	0.220	ug/L			05/02/25 04:27	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/02/25 04:27	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/02/25 04:27	1
Bromoform	<5.00		5.00	0.780	ug/L			05/02/25 04:27	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/02/25 04:27	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/02/25 04:27	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/02/25 04:27	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/02/25 04:27	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/02/25 04:27	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/02/25 04:27	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/02/25 04:27	1
Chloroform	<3.00		3.00	1.30	ug/L			05/02/25 04:27	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/02/25 04:27	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/02/25 04:27	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/02/25 04:27	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/02/25 04:27	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/02/25 04:27	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/02/25 04:27	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/02/25 04:27	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/02/25 04:27	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/02/25 04:27	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/02/25 04:27	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/02/25 04:27	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/02/25 04:27	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/02/25 04:27	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/02/25 04:27	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/02/25 04:27	1
Methylene Chloride	<5.00	*+	5.00	1.70	ug/L			05/02/25 04:27	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/02/25 04:27	1
Styrene	<1.00		1.00	0.370	ug/L			05/02/25 04:27	1
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/02/25 04:27	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/02/25 04:27	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/02/25 04:27	1
Toluene	<1.00		1.00	0.430	ug/L			05/02/25 04:27	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/02/25 04:27	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/02/25 04:27	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/02/25 04:27	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/02/25 04:27	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/02/25 04:27	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/02/25 04:27	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/02/25 04:27	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/02/25 04:27	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/02/25 04:27	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/02/25 04:27	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/02/25 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/02/25 04:27*	*1*

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 3
Lab Sample ID: 310-305292-7
Date Collected: 04/29/25 00:00
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	114		76 - 130		05/02/25 04:27	1
Toluene-d8 (Surr)	90		80 - 120		05/02/25 04:27	1

Client Sample ID: Trip Blank 4
Lab Sample ID: 310-305292-8

Date Collected: 04/29/25 00:00
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/02/25 04:50	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/02/25 04:50	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/02/25 04:50	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/02/25 04:50	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/02/25 04:50	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/02/25 04:50	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/02/25 04:50	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/02/25 04:50	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/02/25 04:50	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/02/25 04:50	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/02/25 04:50	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/02/25 04:50	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/02/25 04:50	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/02/25 04:50	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/02/25 04:50	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/02/25 04:50	1
Acetone	<10.0		10.0	3.10	ug/L			05/02/25 04:50	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/02/25 04:50	1
Benzene	<0.500		0.500	0.220	ug/L			05/02/25 04:50	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/02/25 04:50	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/02/25 04:50	1
Bromoform	<5.00		5.00	0.780	ug/L			05/02/25 04:50	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/02/25 04:50	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/02/25 04:50	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/02/25 04:50	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/02/25 04:50	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/02/25 04:50	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/02/25 04:50	1
Chloroform	<3.00		3.00	1.30	ug/L			05/02/25 04:50	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/02/25 04:50	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/02/25 04:50	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/02/25 04:50	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/02/25 04:50	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/02/25 04:50	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/02/25 04:50	1
Methylene Chloride	<5.00	*+	5.00	1.70	ug/L			05/02/25 04:50	1
Styrene	<1.00		1.00	0.370	ug/L			05/02/25 04:50	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/02/25 04:50	1
Toluene	<1.00		1.00	0.430	ug/L			05/02/25 04:50	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/02/25 04:50	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/02/25 04:50	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/02/25 04:50	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/02/25 04:50	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/02/25 04:50	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/02/25 04:50	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/02/25 04:50	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/02/25 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*05/02/25 04:50*	*1*

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank 4
Lab Sample ID: 310-305292-8
Date Collected: 04/29/25 00:00
Matrix: Water
Date Received: 04/30/25 15:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		80 - 120		05/02/25 04:50	1
4-Bromofluorobenzene (Surr)	103		80 - 120		05/02/25 04:50	1

Definitions/Glossary

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: HDR Inc
Project/Site: Iowa City Landfill Spring 2025

Job ID: 310-305292-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-305292-1	MW-11B	120	89	100
310-305292-2	MW-18A-07	112	91	102
310-305292-2	MW-18A-07	116	97	102
310-305292-2 MS	MW-18A-07	99	96	102
310-305292-2 MSD	MW-18A-07	100	94	104
310-305292-3	MW-206A	120	87	100
310-305292-3	MW-206A	116	93	101
310-305292-4	MW-16A	113	91	102
310-305292-4	MW-16A	110	96	102
310-305292-5	Trip Blank 1	118	90	104
310-305292-6	Trip Blank 2	116	89	102
310-305292-7	Trip Blank 3	114	90	101
310-305292-8	Trip Blank 4	116	89	103
LCS 310-453394/7	Lab Control Sample	102	95	101
LCS 310-453394/8	Lab Control Sample	116	91	103
LCS 310-453665/7	Lab Control Sample	104	99	102
LCS 310-453665/8	Lab Control Sample	118	95	99
LCS 310-454146/7	Lab Control Sample	97	100	100
LCS 310-454146/8	Lab Control Sample	105	99	102
MB 310-453394/6	Method Blank	115	89	99
MB 310-453665/6	Method Blank	113	92	96
MB 310-454146/6	Method Blank	104	97	103

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(39-118)	(25-110)	(45-129)	(21-110)	(12-144)	(27-136)
310-305292-1	MW-11B	83	58	73	49	72	84
310-305292-2	MW-18A-07	59	42	51	36	55	56
310-305292-3	MW-206A	85	61	76	53	72	73
310-305292-4	MW-16A	88	58	76	49	75	83
LCS 310-453465/2-A	Lab Control Sample	77	64	78	50	77	85
LCSD 310-453465/3-A	Lab Control Sample Dup	96	17 S1-	100	42	87	31
MB 310-453465/1-A	Method Blank	78 *3	66 *3	77 *3	54 *3	81	90 *3

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Surrogate Summary

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-305292-1	MW-11B	24	48
310-305292-2	MW-18A-07	70	68
310-305292-3	MW-206A	54	41
310-305292-4	MW-16A	76	52
LB 310-452894/1-E	Method Blank	59	63
LCS 310-453384/30-A	Lab Control Sample	2 S1-	0.1 S1- p
MB 310-453384/1-A	Method Blank	56	49

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-305292-1	MW-11B	24	48
310-305292-2	MW-18A-07	70	68
310-305292-3	MW-206A	54	41
310-305292-4	MW-16A	76	52
LB 310-452494/1-E	Method Blank	64	56
LCS 310-453384/11-A	Lab Control Sample	2 S1-	0.3 p S1-
MB 310-453384/1-A	Method Blank	56	49

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(34-142)	(34-142)
310-305292-1	MW-11B	77	74
310-305292-2	MW-18A-07	84	81
310-305292-3	MW-206A	65	62
310-305292-4	MW-16A	85	82
LCS 410-640241/2-A	Lab Control Sample	94	95
LCS 410-640241/2-A - DL	Lab Control Sample	92	95
LCSD 410-640241/3-A	Lab Control Sample Dup	79	78
LCSD 410-640241/3-A - DL	Lab Control Sample Dup	99	104
MB 410-640241/1-A	Method Blank	53	48

Surrogate Legend

DCPAA = DCAA

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-453394/6
Matrix: Water
Analysis Batch: 453394

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/02/25 02:11	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/02/25 02:11	1
Acetone	<10.0		10.0	3.10	ug/L			05/02/25 02:11	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/02/25 02:11	1
Acrolein	<10.0		10.0	3.60	ug/L			05/02/25 02:11	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/02/25 02:11	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/02/25 02:11	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/02/25 02:11	1
Benzene	<0.500		0.500	0.220	ug/L			05/02/25 02:11	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/02/25 02:11	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/02/25 02:11	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/02/25 02:11	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/02/25 02:11	1
Bromoform	<5.00		5.00	0.780	ug/L			05/02/25 02:11	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/02/25 02:11	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/02/25 02:11	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/02/25 02:11	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/02/25 02:11	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/02/25 02:11	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/02/25 02:11	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/02/25 02:11	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/02/25 02:11	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/02/25 02:11	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/02/25 02:11	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/02/25 02:11	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/02/25 02:11	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/02/25 02:11	1
Chloroform	<3.00		3.00	1.30	ug/L			05/02/25 02:11	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/02/25 02:11	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/02/25 02:11	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/02/25 02:11	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/02/25 02:11	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/02/25 02:11	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/02/25 02:11	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/02/25 02:11	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/02/25 02:11	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/02/25 02:11	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/02/25 02:11	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/02/25 02:11	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/02/25 02:11	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/02/25 02:11	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/02/25 02:11	1
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/02/25 02:11	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/02/25 02:11	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/02/25 02:11	1
Propionitrile	<10.0		10.0	3.40	ug/L			05/02/25 02:11	1
Styrene	<1.00		1.00	0.370	ug/L			05/02/25 02:11	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/02/25 02:11	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-453394/6
Matrix: Water
Analysis Batch: 453394

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<1.00		1.00	0.430	ug/L			05/02/25 02:11	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/02/25 02:11	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/02/25 02:11	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/02/25 02:11	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/02/25 02:11	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/02/25 02:11	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/02/25 02:11	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/02/25 02:11	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/02/25 02:11	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/02/25 02:11	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/02/25 02:11	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/02/25 02:11	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/02/25 02:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*05/02/25 02:11*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*05/02/25 02:11*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/02/25 02:11*	*1*

Lab Sample ID: LCS 310-453394/7
Matrix: Water
Analysis Batch: 453394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	40.0	39.28		ug/L		98	60 - 134
1,2-Dibromo-3-Chloropropane	20.0	19.51		ug/L		98	62 - 132
Acetone	40.0	41.28		ug/L		103	59 - 136
1,2-Dibromoethane (EDB)	20.0	22.30		ug/L		111	74 - 122
Acrolein	94.8	122.0		ug/L		129	50 - 150
Acrylonitrile	200	225.7		ug/L		113	50 - 150
Allyl chloride	20.0	21.15		ug/L		106	61 - 136
1,2-Dichlorobenzene	20.0	19.98		ug/L		100	74 - 120
Benzene	20.0	20.77		ug/L		104	71 - 125
1,3-Dichlorobenzene	20.0	20.70		ug/L		104	71 - 120
Bromochloromethane	20.0	23.29		ug/L		116	69 - 131
1,4-Dichlorobenzene	20.0	19.37		ug/L		97	72 - 120
Bromodichloromethane	20.0	21.63		ug/L		108	70 - 122
Bromoform	20.0	19.13		ug/L		96	62 - 122
1,1-Dichloroethane	20.0	21.05		ug/L		105	69 - 127
1,2-Dichloroethane	20.0	22.18		ug/L		111	68 - 125
Carbon disulfide	20.0	24.43		ug/L		122	58 - 137
1,1-Dichloroethene	20.0	22.96		ug/L		115	64 - 134
Carbon tetrachloride	20.0	24.96		ug/L		125	63 - 136
1,2-Dichloropropane	20.0	21.45		ug/L		107	72 - 128
Chlorobenzene	20.0	19.43		ug/L		97	74 - 120
1,3-Dichloropropane	20.0	21.55		ug/L		108	72 - 125
Chlorodibromomethane	20.0	20.61		ug/L		103	69 - 121
2,2-Dichloropropane	20.0	20.86		ug/L		104	51 - 146

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-453394/7
Matrix: Water
Analysis Batch: 453394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	20.0	22.67		ug/L		113	70 - 133
Chloroform	20.0	22.90		ug/L		115	72 - 122
Chloroprene	20.0	22.91		ug/L		115	67 - 136
2-Hexanone	40.0	42.66		ug/L		107	62 - 139
cis-1,2-Dichloroethene	20.0	23.27		ug/L		116	72 - 123
cis-1,3-Dichloropropene	20.0	20.24		ug/L		101	72 - 123
Dibromomethane	20.0	23.53		ug/L		118	72 - 122
Ethyl methacrylate	20.0	23.60		ug/L		118	68 - 128
4-Methyl-2-pentanone (MIBK)	40.0	41.63		ug/L		104	62 - 136
Ethylbenzene	20.0	20.11		ug/L		101	75 - 120
Iodomethane	20.0	16.30		ug/L		81	18 - 150
Methacrylonitrile	200	212.7		ug/L		106	67 - 128
Methyl methacrylate	40.0	44.97		ug/L		112	69 - 129
Methylene Chloride	20.0	25.84	*+	ug/L		129	72 - 128
1,1,1,2-Tetrachloroethane	20.0	22.83		ug/L		114	70 - 121
Naphthalene	20.0	20.27		ug/L		101	69 - 126
1,1,2,2-Tetrachloroethane	20.0	18.80		ug/L		94	70 - 122
Propionitrile	200	213.0		ug/L		107	68 - 131
Styrene	20.0	20.79		ug/L		104	74 - 122
Tetrachloroethene	20.0	23.45		ug/L		117	70 - 128
Toluene	20.0	21.69		ug/L		108	74 - 120
trans-1,2-Dichloroethene	20.0	23.37		ug/L		117	67 - 127
trans-1,3-Dichloropropene	20.0	20.97		ug/L		105	67 - 123
1,2,4-Trichlorobenzene	20.0	20.19		ug/L		101	69 - 125
trans-1,4-Dichloro-2-butene	20.0	18.47		ug/L		92	50 - 150
1,1,1-Trichloroethane	20.0	22.53		ug/L		113	69 - 130
1,1,2-Trichloroethane	20.0	21.55		ug/L		108	75 - 121
Trichloroethene	20.0	22.09		ug/L		110	70 - 128
1,2,3-Trichloropropane	20.0	19.08		ug/L		95	70 - 122
Vinyl acetate	40.0	39.58		ug/L		99	50 - 150
Xylenes, Total	40.0	40.71		ug/L		102	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*76 - 130*
Toluene-d8 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: LCS 310-453394/8
Matrix: Water
Analysis Batch: 453394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	17.23		ug/L		86	33 - 138
Chloroethane	20.0	21.45		ug/L		107	59 - 139
Chloromethane	20.0	21.04		ug/L		105	52 - 146
Dichlorodifluoromethane	20.0	24.91		ug/L		125	45 - 150
Trichlorofluoromethane	20.0	23.02		ug/L		115	55 - 150
Vinyl chloride	20.0	21.38		ug/L		107	60 - 142

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-453394/8
Matrix: Water
Analysis Batch: 453394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*116*		*76 - 130*
Toluene-d8 (Surr)	*91*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*

Lab Sample ID: 310-305292-2 MS
Matrix: Water
Analysis Batch: 453394

Client Sample ID: MW-18A-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	<10.0		50.0	38.15		ug/L		76	46 - 134
1,2-Dibromo-3-Chloropropane	<1.20		25.0	18.07		ug/L		72	44 - 138
Acetone	<10.0		50.0	39.07		ug/L		78	39 - 141
1,2-Dibromoethane (EDB)	<0.340		25.0	20.28		ug/L		81	60 - 122
Acrolein	<10.0		119	86.12		ug/L		73	39 - 150
Acrylonitrile	<5.00		250	187.7		ug/L		75	41 - 150
Allyl chloride	<2.00		25.0	13.50		ug/L		54	47 - 136
1,2-Dichlorobenzene	<1.00		25.0	19.35		ug/L		77	60 - 120
Benzene	1.96		25.0	16.68		ug/L		59	48 - 125
1,3-Dichlorobenzene	<1.00		25.0	19.15		ug/L		77	58 - 120
Bromochloromethane	<5.00		25.0	17.25		ug/L		69	55 - 131
1,4-Dichlorobenzene	<1.00		25.0	18.19		ug/L		73	58 - 120
Bromodichloromethane	<1.00		25.0	18.36		ug/L		73	53 - 122
Bromoform	<5.00		25.0	17.91		ug/L		72	47 - 122
1,1-Dichloroethane	384		25.0	277.8	4	ug/L		-424	53 - 127
1,2-Dichloroethane	<1.00		25.0	17.81		ug/L		71	48 - 128
Carbon disulfide	<1.00		25.0	15.79		ug/L		63	45 - 137
1,1-Dichloroethene	1.32	J	25.0	15.60		ug/L		57	51 - 134
Carbon tetrachloride	<2.00		25.0	17.70		ug/L		71	45 - 136
1,2-Dichloropropane	0.783	J	25.0	18.80		ug/L		72	59 - 128
Chlorobenzene	<1.00		25.0	17.76		ug/L		71	59 - 120
1,3-Dichloropropane	<1.00		25.0	19.25		ug/L		77	58 - 125
Chlorodibromomethane	<5.00		25.0	19.05		ug/L		76	53 - 121
2,2-Dichloropropane	<4.00		25.0	12.45		ug/L		50	34 - 146
1,1-Dichloropropene	<1.00		25.0	16.69		ug/L		67	55 - 133
Chloroform	<3.00		25.0	17.83		ug/L		71	52 - 122
Chloroprene	<1.00		25.0	15.98		ug/L		64	48 - 136
2-Hexanone	<10.0		50.0	42.33		ug/L		85	46 - 141
cis-1,2-Dichloroethene	254		25.0	192.8	4	ug/L		-243	51 - 123
cis-1,3-Dichloropropene	<5.00		25.0	16.92		ug/L		68	55 - 123
Dibromomethane	<1.00		25.0	18.76		ug/L		75	57 - 122
Ethyl methacrylate	<2.00		25.0	21.31		ug/L		85	53 - 129
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	39.19		ug/L		78	49 - 138
Ethylbenzene	<1.00		25.0	17.88		ug/L		72	53 - 120
Iodomethane	<10.0		25.0	10.39		ug/L		42	18 - 150
Methacrylonitrile	<10.0		250	185.3		ug/L		74	53 - 128
Methyl methacrylate	<2.00		50.0	40.39		ug/L		81	48 - 137
Methylene Chloride	<5.00	*+	25.0	17.60		ug/L		70	59 - 128
1,1,1,2-Tetrachloroethane	<1.00		25.0	20.44		ug/L		82	55 - 121

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-305292-2 MS
Matrix: Water
Analysis Batch: 453394

Client Sample ID: MW-18A-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	<5.00		25.0	20.74		ug/L		83	45 - 144
1,1,2,2-Tetrachloroethane	<1.00		25.0	18.10		ug/L		72	55 - 123
Propionitrile	<10.0		250	192.5		ug/L		77	56 - 131
Styrene	<1.00		25.0	19.35		ug/L		77	50 - 125
Tetrachloroethene	29.7	F1	25.0	40.36	F1	ug/L		42	51 - 128
Toluene	<1.00		25.0	17.69		ug/L		71	52 - 120
trans-1,2-Dichloroethene	1.48		25.0	17.42		ug/L		64	53 - 127
trans-1,3-Dichloropropene	<5.00		25.0	18.65		ug/L		75	50 - 123
1,2,4-Trichlorobenzene	<5.00		25.0	20.78		ug/L		83	55 - 126
trans-1,4-Dichloro-2-butene	<10.0		25.0	15.81		ug/L		63	28 - 150
1,1,1-Trichloroethane	<1.00		25.0	16.51		ug/L		66	53 - 130
1,1,2-Trichloroethane	<1.00		25.0	19.88		ug/L		80	60 - 121
Trichloroethene	28.1	F1	25.0	40.70		ug/L		51	50 - 128
1,2,3-Trichloropropane	<1.00		25.0	18.68		ug/L		75	56 - 122
Vinyl acetate	<10.0		50.0	31.39		ug/L		63	31 - 150
Xylenes, Total	<3.00		50.0	37.21		ug/L		74	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Lab Sample ID: 310-305292-2 MSD
Matrix: Water
Analysis Batch: 453394

Client Sample ID: MW-18A-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Butanone (MEK)	<10.0		50.0	38.65		ug/L		77	46 - 134	1	23
1,2-Dibromo-3-Chloropropane	<1.20		25.0	19.46		ug/L		78	44 - 138	7	24
Acetone	<10.0		50.0	39.57		ug/L		79	39 - 141	1	23
1,2-Dibromoethane (EDB)	<0.340		25.0	20.69		ug/L		83	60 - 122	2	20
Acrolein	<10.0		119	88.22		ug/L		74	39 - 150	2	33
Acrylonitrile	<5.00		250	190.6		ug/L		76	41 - 150	2	20
Allyl chloride	<2.00		25.0	13.97		ug/L		56	47 - 136	3	33
1,2-Dichlorobenzene	<1.00		25.0	19.55		ug/L		78	60 - 120	1	20
Benzene	1.96		25.0	16.71		ug/L		59	48 - 125	0	20
1,3-Dichlorobenzene	<1.00		25.0	19.09		ug/L		76	58 - 120	0	20
Bromochloromethane	<5.00		25.0	16.97		ug/L		68	55 - 131	2	21
1,4-Dichlorobenzene	<1.00		25.0	18.41		ug/L		74	58 - 120	1	20
Bromodichloromethane	<1.00		25.0	18.77		ug/L		75	53 - 122	2	20
Bromoform	<5.00		25.0	18.08		ug/L		72	47 - 122	1	20
1,1-Dichloroethane	384		25.0	274.6	4	ug/L		-437	53 - 127	1	20
1,2-Dichloroethane	<1.00		25.0	17.76		ug/L		71	48 - 128	0	20
Carbon disulfide	<1.00		25.0	13.80		ug/L		55	45 - 137	13	24
1,1-Dichloroethene	1.32	J	25.0	15.47		ug/L		57	51 - 134	1	20
Carbon tetrachloride	<2.00		25.0	17.67		ug/L		71	45 - 136	0	20
1,2-Dichloropropane	0.783	J	25.0	18.34		ug/L		70	59 - 128	2	20
Chlorobenzene	<1.00		25.0	17.31		ug/L		69	59 - 120	3	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-305292-2 MSD
Matrix: Water
Analysis Batch: 453394

Client Sample ID: MW-18A-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3-Dichloropropane	<1.00		25.0	19.65		ug/L		79	58 - 125	2	20
Chlorodibromomethane	<5.00		25.0	19.66		ug/L		79	53 - 121	3	20
2,2-Dichloropropane	<4.00		25.0	12.51		ug/L		50	34 - 146	0	20
1,1-Dichloropropene	<1.00		25.0	16.30		ug/L		65	55 - 133	2	20
Chloroform	<3.00		25.0	17.67		ug/L		71	52 - 122	1	20
Chloroprene	<1.00		25.0	15.74		ug/L		63	48 - 136	1	20
2-Hexanone	<10.0		50.0	43.52		ug/L		87	46 - 141	3	20
cis-1,2-Dichloroethene	254		25.0	189.6	4	ug/L		-256	51 - 123	2	20
cis-1,3-Dichloropropene	<5.00		25.0	17.20		ug/L		69	55 - 123	2	20
Dibromomethane	<1.00		25.0	19.57		ug/L		78	57 - 122	4	20
Ethyl methacrylate	<2.00		25.0	22.36		ug/L		89	53 - 129	5	20
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	40.59		ug/L		81	49 - 138	4	20
Ethylbenzene	<1.00		25.0	17.56		ug/L		70	53 - 120	2	20
Iodomethane	<10.0		25.0	12.54		ug/L		50	18 - 150	19	32
Methacrylonitrile	<10.0		250	189.5		ug/L		76	53 - 128	2	20
Methyl methacrylate	<2.00		50.0	41.46		ug/L		83	48 - 137	3	20
Methylene Chloride	<5.00	*+	25.0	17.38		ug/L		70	59 - 128	1	20
1,1,1,2-Tetrachloroethane	<1.00		25.0	20.60		ug/L		82	55 - 121	1	20
Naphthalene	<5.00		25.0	21.84		ug/L		87	45 - 144	5	32
1,1,2,2-Tetrachloroethane	<1.00		25.0	18.37		ug/L		73	55 - 123	1	20
Propionitrile	<10.0		250	193.4		ug/L		77	56 - 131	1	20
Styrene	<1.00		25.0	18.81		ug/L		75	50 - 125	3	20
Tetrachloroethene	29.7	F1	25.0	39.80	F1	ug/L		40	51 - 128	1	20
Toluene	<1.00		25.0	17.31		ug/L		69	52 - 120	2	20
trans-1,2-Dichloroethene	1.48		25.0	16.20		ug/L		59	53 - 127	7	20
trans-1,3-Dichloropropene	<5.00		25.0	19.05		ug/L		76	50 - 123	2	20
1,2,4-Trichlorobenzene	<5.00		25.0	21.11		ug/L		84	55 - 126	2	20
trans-1,4-Dichloro-2-butene	<10.0		25.0	16.89		ug/L		68	28 - 150	7	24
1,1,1-Trichloroethane	<1.00		25.0	16.44		ug/L		66	53 - 130	0	20
1,1,2-Trichloroethane	<1.00		25.0	20.50		ug/L		82	60 - 121	3	20
Trichloroethene	28.1	F1	25.0	39.35	F1	ug/L		45	50 - 128	3	20
1,2,3-Trichloropropane	<1.00		25.0	18.29		ug/L		73	56 - 122	2	21
Vinyl acetate	<10.0		50.0	31.91		ug/L		64	31 - 150	2	25
Xylenes, Total	<3.00		50.0	36.54		ug/L		73	50 - 122	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*76 - 130*
Toluene-d8 (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*

Lab Sample ID: MB 310-453665/6
Matrix: Water
Analysis Batch: 453665

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/06/25 08:47	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/06/25 08:47	1
Acetone	<10.0		10.0	3.10	ug/L			05/06/25 08:47	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-453665/6
Matrix: Water
Analysis Batch: 453665

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/06/25 08:47	1
Acrolein	<10.0		10.0	3.60	ug/L			05/06/25 08:47	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/06/25 08:47	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/06/25 08:47	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/06/25 08:47	1
Benzene	<0.500		0.500	0.220	ug/L			05/06/25 08:47	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/06/25 08:47	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/06/25 08:47	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/06/25 08:47	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/06/25 08:47	1
Bromoform	<5.00		5.00	0.780	ug/L			05/06/25 08:47	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/06/25 08:47	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/06/25 08:47	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/06/25 08:47	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/06/25 08:47	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/06/25 08:47	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/06/25 08:47	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/06/25 08:47	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/06/25 08:47	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/06/25 08:47	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/06/25 08:47	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/06/25 08:47	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/06/25 08:47	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/06/25 08:47	1
Chloroform	<3.00		3.00	1.30	ug/L			05/06/25 08:47	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/06/25 08:47	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/06/25 08:47	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/06/25 08:47	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/06/25 08:47	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/06/25 08:47	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/06/25 08:47	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/06/25 08:47	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/06/25 08:47	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/06/25 08:47	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/06/25 08:47	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/06/25 08:47	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/06/25 08:47	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/06/25 08:47	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/06/25 08:47	1
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/06/25 08:47	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/06/25 08:47	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/06/25 08:47	1
Propionitrile	<10.0		10.0	3.40	ug/L			05/06/25 08:47	1
Styrene	<1.00		1.00	0.370	ug/L			05/06/25 08:47	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/06/25 08:47	1
Toluene	<1.00		1.00	0.430	ug/L			05/06/25 08:47	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/06/25 08:47	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/06/25 08:47	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/06/25 08:47	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-453665/6
Matrix: Water
Analysis Batch: 453665

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/06/25 08:47	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/06/25 08:47	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/06/25 08:47	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/06/25 08:47	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/06/25 08:47	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/06/25 08:47	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/06/25 08:47	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/06/25 08:47	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/06/25 08:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*05/06/25 08:47*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/06/25 08:47*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/06/25 08:47*	*1*

Lab Sample ID: LCS 310-453665/7
Matrix: Water
Analysis Batch: 453665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	40.0	36.25		ug/L		91	60 - 134
1,2-Dibromo-3-Chloropropane	20.0	18.33		ug/L		92	62 - 132
Acetone	40.0	45.04		ug/L		113	59 - 136
1,2-Dibromoethane (EDB)	20.0	16.95		ug/L		85	74 - 122
Acrolein	94.8	79.20		ug/L		84	50 - 150
Acrylonitrile	200	202.5		ug/L		101	50 - 150
Allyl chloride	20.0	19.16		ug/L		96	61 - 136
1,2-Dichlorobenzene	20.0	18.47		ug/L		92	74 - 120
Benzene	20.0	19.90		ug/L		100	71 - 125
1,3-Dichlorobenzene	20.0	17.45		ug/L		87	71 - 120
Bromochloromethane	20.0	21.31		ug/L		107	69 - 131
1,4-Dichlorobenzene	20.0	17.92		ug/L		90	72 - 120
Bromodichloromethane	20.0	18.54		ug/L		93	70 - 122
Bromoform	20.0	17.03		ug/L		85	62 - 122
1,1-Dichloroethane	20.0	20.68		ug/L		103	69 - 127
1,2-Dichloroethane	20.0	20.04		ug/L		100	68 - 125
Carbon disulfide	20.0	21.68		ug/L		108	58 - 137
1,1-Dichloroethene	20.0	22.03		ug/L		110	64 - 134
Carbon tetrachloride	20.0	21.00		ug/L		105	63 - 136
1,2-Dichloropropane	20.0	19.82		ug/L		99	72 - 128
Chlorobenzene	20.0	18.21		ug/L		91	74 - 120
1,3-Dichloropropane	20.0	17.99		ug/L		90	72 - 125
Chlorodibromomethane	20.0	17.44		ug/L		87	69 - 121
2,2-Dichloropropane	20.0	15.41		ug/L		77	51 - 146
1,1-Dichloropropene	20.0	19.05		ug/L		95	70 - 133
Chloroform	20.0	20.90		ug/L		105	72 - 122
Chloroprene	20.0	20.25		ug/L		101	67 - 136
2-Hexanone	40.0	35.80		ug/L		89	62 - 139

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-453665/7
Matrix: Water
Analysis Batch: 453665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	20.0	20.07		ug/L		100	72 - 123
cis-1,3-Dichloropropene	20.0	16.80		ug/L		84	72 - 123
Dibromomethane	20.0	20.71		ug/L		104	72 - 122
Ethyl methacrylate	20.0	19.42		ug/L		97	68 - 128
4-Methyl-2-pentanone (MIBK)	40.0	37.92		ug/L		95	62 - 136
Ethylbenzene	20.0	18.98		ug/L		95	75 - 120
Iodomethane	20.0	12.15		ug/L		61	18 - 150
Methacrylonitrile	200	177.2		ug/L		89	67 - 128
Methyl methacrylate	40.0	38.56		ug/L		96	69 - 129
Methylene Chloride	20.0	21.12		ug/L		106	72 - 128
1,1,1,2-Tetrachloroethane	20.0	18.47		ug/L		92	70 - 121
Naphthalene	20.0	18.84		ug/L		94	69 - 126
1,1,2,2-Tetrachloroethane	20.0	17.18		ug/L		86	70 - 122
Propionitrile	200	203.0		ug/L		102	68 - 131
Styrene	20.0	16.84		ug/L		84	74 - 122
Tetrachloroethene	20.0	19.82		ug/L		99	70 - 128
Toluene	20.0	20.52		ug/L		103	74 - 120
trans-1,2-Dichloroethene	20.0	20.60		ug/L		103	67 - 127
trans-1,3-Dichloropropene	20.0	16.72		ug/L		84	67 - 123
1,2,4-Trichlorobenzene	20.0	18.04		ug/L		90	69 - 125
trans-1,4-Dichloro-2-butene	20.0	16.10		ug/L		80	50 - 150
1,1,1-Trichloroethane	20.0	20.09		ug/L		100	69 - 130
1,1,2-Trichloroethane	20.0	17.99		ug/L		90	75 - 121
Trichloroethene	20.0	17.90		ug/L		90	70 - 128
1,2,3-Trichloropropane	20.0	16.84		ug/L		84	70 - 122
Vinyl acetate	40.0	30.23		ug/L		76	50 - 150
Xylenes, Total	40.0	37.95		ug/L		95	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*76 - 130*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Lab Sample ID: LCS 310-453665/8
Matrix: Water
Analysis Batch: 453665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	14.23		ug/L		71	33 - 138
Chloroethane	20.0	17.59		ug/L		88	59 - 139
Chloromethane	20.0	18.22		ug/L		91	52 - 146
Dichlorodifluoromethane	20.0	20.43		ug/L		102	45 - 150
Trichlorofluoromethane	20.0	17.62		ug/L		88	55 - 150
Vinyl chloride	20.0	16.96		ug/L		85	60 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*118*		*76 - 130*
Toluene-d8 (Surr)	*95*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-453665/8
Matrix: Water
Analysis Batch: 453665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 310-454146/6
Matrix: Water
Analysis Batch: 454146

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/08/25 15:04	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/08/25 15:04	1
Acetone	<10.0		10.0	3.10	ug/L			05/08/25 15:04	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/08/25 15:04	1
Acrolein	<10.0		10.0	3.60	ug/L			05/08/25 15:04	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/08/25 15:04	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/08/25 15:04	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/08/25 15:04	1
Benzene	<0.500		0.500	0.220	ug/L			05/08/25 15:04	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/08/25 15:04	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/08/25 15:04	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/08/25 15:04	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/08/25 15:04	1
Bromoform	<5.00		5.00	0.780	ug/L			05/08/25 15:04	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/08/25 15:04	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/08/25 15:04	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/08/25 15:04	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/08/25 15:04	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/08/25 15:04	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/08/25 15:04	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/08/25 15:04	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/08/25 15:04	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/08/25 15:04	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/08/25 15:04	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/08/25 15:04	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/08/25 15:04	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/08/25 15:04	1
Chloroform	<3.00		3.00	1.30	ug/L			05/08/25 15:04	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/08/25 15:04	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/08/25 15:04	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/08/25 15:04	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/08/25 15:04	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/08/25 15:04	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/08/25 15:04	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/08/25 15:04	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/08/25 15:04	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/08/25 15:04	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/08/25 15:04	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/08/25 15:04	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/08/25 15:04	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/08/25 15:04	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-454146/6
Matrix: Water
Analysis Batch: 454146

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/08/25 15:04	1
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/08/25 15:04	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/08/25 15:04	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/08/25 15:04	1
Propionitrile	<10.0		10.0	3.40	ug/L			05/08/25 15:04	1
Styrene	<1.00		1.00	0.370	ug/L			05/08/25 15:04	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/08/25 15:04	1
Toluene	<1.00		1.00	0.430	ug/L			05/08/25 15:04	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/08/25 15:04	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/08/25 15:04	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/08/25 15:04	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/08/25 15:04	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/08/25 15:04	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/08/25 15:04	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/08/25 15:04	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/08/25 15:04	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/08/25 15:04	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/08/25 15:04	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/08/25 15:04	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/08/25 15:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*76 - 130*		*05/08/25 15:04*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/08/25 15:04*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*05/08/25 15:04*	*1*

Lab Sample ID: LCS 310-454146/7
Matrix: Water
Analysis Batch: 454146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Butanone (MEK)	40.0	35.56		ug/L		89	60 - 134
1,2-Dibromo-3-Chloropropane	20.0	19.72		ug/L		99	62 - 132
Acetone	40.0	37.15		ug/L		93	59 - 136
1,2-Dibromoethane (EDB)	20.0	17.39		ug/L		87	74 - 122
Acrolein	94.8	94.30		ug/L		99	50 - 150
Acrylonitrile	200	175.6		ug/L		88	50 - 150
Allyl chloride	20.0	18.85		ug/L		94	61 - 136
1,2-Dichlorobenzene	20.0	18.16		ug/L		91	74 - 120
Benzene	20.0	17.20		ug/L		86	71 - 125
1,3-Dichlorobenzene	20.0	17.88		ug/L		89	71 - 120
Bromochloromethane	20.0	18.02		ug/L		90	69 - 131
1,4-Dichlorobenzene	20.0	18.21		ug/L		91	72 - 120
Bromodichloromethane	20.0	17.04		ug/L		85	70 - 122
Bromoform	20.0	17.34		ug/L		87	62 - 122
1,1-Dichloroethane	20.0	17.46		ug/L		87	69 - 127
1,2-Dichloroethane	20.0	16.30		ug/L		82	68 - 125
Carbon disulfide	20.0	17.72		ug/L		89	58 - 137

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454146/7
Matrix: Water
Analysis Batch: 454146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.0	18.32		ug/L		92	64 - 134
Carbon tetrachloride	20.0	19.05		ug/L		95	63 - 136
1,2-Dichloropropane	20.0	17.42		ug/L		87	72 - 128
Chlorobenzene	20.0	17.44		ug/L		87	74 - 120
1,3-Dichloropropane	20.0	17.31		ug/L		87	72 - 125
Chlorodibromomethane	20.0	18.37		ug/L		92	69 - 121
2,2-Dichloropropane	20.0	17.79		ug/L		89	51 - 146
1,1-Dichloropropene	20.0	18.11		ug/L		91	70 - 133
Chloroform	20.0	16.87		ug/L		84	72 - 122
Chloroprene	20.0	17.51		ug/L		88	67 - 136
2-Hexanone	40.0	39.02		ug/L		98	62 - 139
cis-1,2-Dichloroethene	20.0	17.48		ug/L		87	72 - 123
cis-1,3-Dichloropropene	20.0	17.36		ug/L		87	72 - 123
Dibromomethane	20.0	16.05		ug/L		80	72 - 122
Ethyl methacrylate	20.0	18.20		ug/L		91	68 - 128
4-Methyl-2-pentanone (MIBK)	40.0	35.78		ug/L		89	62 - 136
Ethylbenzene	20.0	17.28		ug/L		86	75 - 120
Iodomethane	20.0	15.94		ug/L		80	18 - 150
Methacrylonitrile	200	167.8		ug/L		84	67 - 128
Methyl methacrylate	40.0	34.22		ug/L		86	69 - 129
Methylene Chloride	20.0	16.40		ug/L		82	72 - 128
1,1,1,2-Tetrachloroethane	20.0	16.66		ug/L		83	70 - 121
Naphthalene	20.0	19.50		ug/L		97	69 - 126
1,1,2,2-Tetrachloroethane	20.0	17.28		ug/L		86	70 - 122
Propionitrile	200	180.8		ug/L		90	68 - 131
Styrene	20.0	17.30		ug/L		86	74 - 122
Tetrachloroethene	20.0	19.33		ug/L		97	70 - 128
Toluene	20.0	17.73		ug/L		89	74 - 120
trans-1,2-Dichloroethene	20.0	17.77		ug/L		89	67 - 127
trans-1,3-Dichloropropene	20.0	16.57		ug/L		83	67 - 123
1,2,4-Trichlorobenzene	20.0	18.87		ug/L		94	69 - 125
trans-1,4-Dichloro-2-butene	20.0	15.69		ug/L		78	50 - 150
1,1,1-Trichloroethane	20.0	18.16		ug/L		91	69 - 130
1,1,2-Trichloroethane	20.0	16.90		ug/L		84	75 - 121
Trichloroethene	20.0	17.70		ug/L		88	70 - 128
1,2,3-Trichloropropane	20.0	18.34		ug/L		92	70 - 122
Vinyl acetate	40.0	33.75		ug/L		84	50 - 150
Xylenes, Total	40.0	34.22		ug/L		86	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*76 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454146/8
Matrix: Water
Analysis Batch: 454146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	16.62		ug/L		83	33 - 138
Chloroethane	20.0	17.89		ug/L		89	59 - 139
Chloromethane	20.0	19.32		ug/L		97	52 - 146
Dichlorodifluoromethane	20.0	20.28		ug/L		101	45 - 150
Trichlorofluoromethane	20.0	21.04		ug/L		105	55 - 150
Vinyl chloride	20.0	19.83		ug/L		99	60 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*105*		*76 - 130*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-453465/1-A
Matrix: Water
Analysis Batch: 453868

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0	*3	10.0	0.640	ug/L		05/02/25 07:08	05/06/25 13:32	1
Acenaphthylene	<10.0	*3	10.0	0.720	ug/L		05/02/25 07:08	05/06/25 13:32	1
Acetophenone	<10.0	*3	10.0	0.690	ug/L		05/02/25 07:08	05/06/25 13:32	1
Anthracene	<10.0		10.0	0.870	ug/L		05/02/25 07:08	05/06/25 13:32	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		05/02/25 07:08	05/06/25 13:32	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		05/02/25 07:08	05/06/25 13:32	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		05/02/25 07:08	05/06/25 13:32	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		05/02/25 07:08	05/06/25 13:32	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/06/25 13:32	1
Benzyl alcohol	<10.0	*3	10.0	1.30	ug/L		05/02/25 07:08	05/06/25 13:32	1
Bis(2-chloroethoxy)methane	<10.0	*3	10.0	0.760	ug/L		05/02/25 07:08	05/06/25 13:32	1
Bis(2-chloroethyl)ether	<10.0	*3	10.0	0.820	ug/L		05/02/25 07:08	05/06/25 13:32	1
bis (2-chloroisopropyl) ether	<10.0	*3	10.0	0.540	ug/L		05/02/25 07:08	05/06/25 13:32	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		05/02/25 07:08	05/06/25 13:32	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/06/25 13:32	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		05/02/25 07:08	05/06/25 13:32	1
4-Chloroaniline	<10.0	*3	10.0	0.620	ug/L		05/02/25 07:08	05/06/25 13:32	1
4-Chloro-3-methylphenol	<10.0	*3	10.0	0.840	ug/L		05/02/25 07:08	05/06/25 13:32	1
2-Chloronaphthalene	<10.0	*3	10.0	0.640	ug/L		05/02/25 07:08	05/06/25 13:32	1
2-Chlorophenol	<10.0	*3	10.0	0.540	ug/L		05/02/25 07:08	05/06/25 13:32	1
4-Chlorophenyl phenyl ether	<10.0	*3	10.0	0.690	ug/L		05/02/25 07:08	05/06/25 13:32	1
Chrysene	<10.0		10.0	0.870	ug/L		05/02/25 07:08	05/06/25 13:32	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		05/02/25 07:08	05/06/25 13:32	1
Dibenzofuran	<10.0	*3	10.0	0.740	ug/L		05/02/25 07:08	05/06/25 13:32	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		05/02/25 07:08	05/06/25 13:32	1
2,4-Dichlorophenol	<10.0	*3	10.0	0.850	ug/L		05/02/25 07:08	05/06/25 13:32	1
2,6-Dichlorophenol	<10.0	*3	10.0	0.690	ug/L		05/02/25 07:08	05/06/25 13:32	1
Diethyl phthalate	<10.0	*3	10.0	1.70	ug/L		05/02/25 07:08	05/06/25 13:32	1
2,4-Dimethylphenol	<10.0	*3	10.0	0.580	ug/L		05/02/25 07:08	05/06/25 13:32	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-453465/1-A
Matrix: Water
Analysis Batch: 453868

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	<10.0	*3	10.0	1.00	ug/L		05/02/25 07:08	05/06/25 13:32	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		05/02/25 07:08	05/06/25 13:32	1
1,3-Dinitrobenzene	<10.0	*3	10.0	3.20	ug/L		05/02/25 07:08	05/06/25 13:32	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		05/02/25 07:08	05/06/25 13:32	1
2,4-Dinitrophenol	<20.0	*3	20.0	13.0	ug/L		05/02/25 07:08	05/06/25 13:32	1
2,4-Dinitrotoluene	<10.0	*3	10.0	6.40	ug/L		05/02/25 07:08	05/06/25 13:32	1
2,6-Dinitrotoluene	<10.0	*3	10.0	0.520	ug/L		05/02/25 07:08	05/06/25 13:32	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		05/02/25 07:08	05/06/25 13:32	1
Diphenylamine	<10.0		10.0	6.00	ug/L		05/02/25 07:08	05/06/25 13:32	1
Fluoranthene	<10.0		10.0	1.70	ug/L		05/02/25 07:08	05/06/25 13:32	1
Fluorene	<10.0	*3	10.0	0.790	ug/L		05/02/25 07:08	05/06/25 13:32	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/06/25 13:32	1
Hexachlorobutadiene	<10.0	*3	10.0	0.860	ug/L		05/02/25 07:08	05/06/25 13:32	1
Hexachlorocyclopentadiene	<10.0	*3	10.0	5.10	ug/L		05/02/25 07:08	05/06/25 13:32	1
Hexachloroethane	<10.0	*3	10.0	0.970	ug/L		05/02/25 07:08	05/06/25 13:32	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		05/02/25 07:08	05/06/25 13:32	1
Isophorone	<10.0	*3	10.0	0.930	ug/L		05/02/25 07:08	05/06/25 13:32	1
2-Methylnaphthalene	<10.0	*3	10.0	0.590	ug/L		05/02/25 07:08	05/06/25 13:32	1
2-Methylphenol	<10.0	*3	10.0	0.650	ug/L		05/02/25 07:08	05/06/25 13:32	1
Methylphenol, 3 & 4	<10.0	*3	10.0	0.700	ug/L		05/02/25 07:08	05/06/25 13:32	1
2-Nitroaniline	<10.0	*3	10.0	5.90	ug/L		05/02/25 07:08	05/06/25 13:32	1
3-Nitroaniline	<10.0	*3	10.0	2.70	ug/L		05/02/25 07:08	05/06/25 13:32	1
4-Nitroaniline	<10.0	*3	10.0	1.30	ug/L		05/02/25 07:08	05/06/25 13:32	1
Nitrobenzene	<10.0	*3	10.0	0.800	ug/L		05/02/25 07:08	05/06/25 13:32	1
2-Nitrophenol	<10.0	*3	10.0	6.80	ug/L		05/02/25 07:08	05/06/25 13:32	1
4-Nitrophenol	<10.0	*3	10.0	7.60	ug/L		05/02/25 07:08	05/06/25 13:32	1
N-Nitrosodimethylamine	<10.0	*3	10.0	0.720	ug/L		05/02/25 07:08	05/06/25 13:32	1
N-Nitrosodi-n-propylamine	<10.0	*3	10.0	0.920	ug/L		05/02/25 07:08	05/06/25 13:32	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		05/02/25 07:08	05/06/25 13:32	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		05/02/25 07:08	05/06/25 13:32	1
Phenanthrene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/06/25 13:32	1
Phenol	<10.0	*3	10.0	1.10	ug/L		05/02/25 07:08	05/06/25 13:32	1
Pyrene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/06/25 13:32	1
1,2,4,5-Tetrachlorobenzene	<10.0	*3	10.0	0.540	ug/L		05/02/25 07:08	05/06/25 13:32	1
2,3,4,6-Tetrachlorophenol	<10.0	*3	10.0	5.30	ug/L		05/02/25 07:08	05/06/25 13:32	1
2,4,5-Trichlorophenol	<10.0	*3	10.0	5.30	ug/L		05/02/25 07:08	05/06/25 13:32	1
2,4,6-Trichlorophenol	<10.0	*3	10.0	5.00	ug/L		05/02/25 07:08	05/06/25 13:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*	**3*	*39 - 118*	*05/02/25 07:08*	*05/06/25 13:32*	*1*
2-Fluorophenol (Surr)	*66*	**3*	*25 - 110*	*05/02/25 07:08*	*05/06/25 13:32*	*1*
Nitrobenzene-d5 (Surr)	*77*	**3*	*45 - 129*	*05/02/25 07:08*	*05/06/25 13:32*	*1*
Phenol-d5 (Surr)	*54*	**3*	*21 - 110*	*05/02/25 07:08*	*05/06/25 13:32*	*1*
Terphenyl-d14 (Surr)	*81*		*12 - 144*	*05/02/25 07:08*	*05/06/25 13:32*	*1*
2,4,6-Tribromophenol (Surr)	*90*	**3*	*27 - 136*	*05/02/25 07:08*	*05/06/25 13:32*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-453465/1-A
Matrix: Water
Analysis Batch: 454078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		05/02/25 07:08	05/08/25 10:21	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		05/02/25 07:08	05/08/25 10:21	1
Acetophenone	<10.0		10.0	0.690	ug/L		05/02/25 07:08	05/08/25 10:21	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 10:21	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 10:21	1
Anthracene	<10.0		10.0	0.870	ug/L		05/02/25 07:08	05/08/25 10:21	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		05/02/25 07:08	05/08/25 10:21	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		05/02/25 07:08	05/08/25 10:21	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		05/02/25 07:08	05/08/25 10:21	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		05/02/25 07:08	05/08/25 10:21	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 10:21	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		05/02/25 07:08	05/08/25 10:21	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		05/02/25 07:08	05/08/25 10:21	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		05/02/25 07:08	05/08/25 10:21	1
bis (2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		05/02/25 07:08	05/08/25 10:21	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		05/02/25 07:08	05/08/25 10:21	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/08/25 10:21	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		05/02/25 07:08	05/08/25 10:21	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		05/02/25 07:08	05/08/25 10:21	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		05/02/25 07:08	05/08/25 10:21	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		05/02/25 07:08	05/08/25 10:21	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		05/02/25 07:08	05/08/25 10:21	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		05/02/25 07:08	05/08/25 10:21	1
Chrysene	<10.0		10.0	0.870	ug/L		05/02/25 07:08	05/08/25 10:21	1
Diallate	<10.0		10.0	4.00	ug/L		05/02/25 07:08	05/08/25 10:21	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		05/02/25 07:08	05/08/25 10:21	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		05/02/25 07:08	05/08/25 10:21	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		05/02/25 07:08	05/08/25 10:21	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		05/02/25 07:08	05/08/25 10:21	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		05/02/25 07:08	05/08/25 10:21	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		05/02/25 07:08	05/08/25 10:21	1
Dimethoate	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 10:21	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		05/02/25 07:08	05/08/25 10:21	1
3,3'-Dimethylbenzidine	<10.0		10.0	1.50	ug/L		05/02/25 07:08	05/08/25 10:21	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		05/02/25 07:08	05/08/25 10:21	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		05/02/25 07:08	05/08/25 10:21	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		05/02/25 07:08	05/08/25 10:21	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/08/25 10:21	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		05/02/25 07:08	05/08/25 10:21	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		05/02/25 07:08	05/08/25 10:21	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		05/02/25 07:08	05/08/25 10:21	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		05/02/25 07:08	05/08/25 10:21	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		05/02/25 07:08	05/08/25 10:21	1
Dinoseb	<10.0		10.0	2.40	ug/L		05/02/25 07:08	05/08/25 10:21	1
Diphenylamine	<10.0		10.0	6.00	ug/L		05/02/25 07:08	05/08/25 10:21	1
Disulfoton	<10.0		10.0	2.40	ug/L		05/02/25 07:08	05/08/25 10:21	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 10:21	1
Ethyl Parathion	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 10:21	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-453465/1-A
Matrix: Water
Analysis Batch: 454078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<10.0		10.0	1.70	ug/L		05/02/25 07:08	05/08/25 10:21	1
Fluorene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/08/25 10:21	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/08/25 10:21	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		05/02/25 07:08	05/08/25 10:21	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		05/02/25 07:08	05/08/25 10:21	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		05/02/25 07:08	05/08/25 10:21	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		05/02/25 07:08	05/08/25 10:21	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		05/02/25 07:08	05/08/25 10:21	1
Isodrin	<10.0		10.0	4.70	ug/L		05/02/25 07:08	05/08/25 10:21	1
Isophorone	<10.0		10.0	0.930	ug/L		05/02/25 07:08	05/08/25 10:21	1
Isosafrole	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 10:21	1
Kepone	<10.0		10.0	1.00	ug/L		05/02/25 07:08	05/08/25 10:21	1
Methapyrilene	<10.0		10.0	0.760	ug/L		05/02/25 07:08	05/08/25 10:21	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		05/02/25 07:08	05/08/25 10:21	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		05/02/25 07:08	05/08/25 10:21	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		05/02/25 07:08	05/08/25 10:21	1
Methyl parathion	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 10:21	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		05/02/25 07:08	05/08/25 10:21	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		05/02/25 07:08	05/08/25 10:21	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 10:21	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		05/02/25 07:08	05/08/25 10:21	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		05/02/25 07:08	05/08/25 10:21	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		05/02/25 07:08	05/08/25 10:21	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 10:21	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		05/02/25 07:08	05/08/25 10:21	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		05/02/25 07:08	05/08/25 10:21	1
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 10:21	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		05/02/25 07:08	05/08/25 10:21	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		05/02/25 07:08	05/08/25 10:21	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		05/02/25 07:08	05/08/25 10:21	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		05/02/25 07:08	05/08/25 10:21	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		05/02/25 07:08	05/08/25 10:21	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		05/02/25 07:08	05/08/25 10:21	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		05/02/25 07:08	05/08/25 10:21	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		05/02/25 07:08	05/08/25 10:21	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 10:21	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/08/25 10:21	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/08/25 10:21	1
o-Toluidine	<10.0		10.0	2.90	ug/L		05/02/25 07:08	05/08/25 10:21	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		05/02/25 07:08	05/08/25 10:21	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 10:21	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		05/02/25 07:08	05/08/25 10:21	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		05/02/25 07:08	05/08/25 10:21	1
Phenacetin	<10.0		10.0	1.90	ug/L		05/02/25 07:08	05/08/25 10:21	1
Phenanthrene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/08/25 10:21	1
Phenol	<10.0		10.0	1.10	ug/L		05/02/25 07:08	05/08/25 10:21	1
1,4-phenylenediamine	<10.0		10.0	1.90	ug/L		05/02/25 07:08	05/08/25 10:21	1
Phorate	<10.0		10.0	3.20	ug/L		05/02/25 07:08	05/08/25 10:21	1
Pronamide	<10.0		10.0	2.70	ug/L		05/02/25 07:08	05/08/25 10:21	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-453465/1-A
Matrix: Water
Analysis Batch: 454078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	<10.0		10.0	0.790	ug/L		05/02/25 07:08	05/08/25 10:21	1
Safrole	<10.0		10.0	2.80	ug/L		05/02/25 07:08	05/08/25 10:21	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		05/02/25 07:08	05/08/25 10:21	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		05/02/25 07:08	05/08/25 10:21	1
Thionazin	<10.0		10.0	3.50	ug/L		05/02/25 07:08	05/08/25 10:21	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		05/02/25 07:08	05/08/25 10:21	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		05/02/25 07:08	05/08/25 10:21	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		05/02/25 07:08	05/08/25 10:21	1

Lab Sample ID: MB 310-453465/1-A
Matrix: Water
Analysis Batch: 454593

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzilate	<10.0		10.0	3.60	ug/L		05/02/25 07:08	05/14/25 06:04	1

Lab Sample ID: MB 310-453465/1-A
Matrix: Water
Analysis Batch: 454686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Famphur	<10.0		10.0	3.80	ug/L		05/02/25 07:08	05/14/25 12:55	1

Lab Sample ID: LCS 310-453465/2-A
Matrix: Water
Analysis Batch: 453868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	81.23		ug/L		81	43 - 110
Acenaphthylene	100	71.34		ug/L		71	40 - 110
Acetophenone	100	77.87		ug/L		78	48 - 119
Anthracene	100	79.15		ug/L		79	51 - 120
Benzo[a]anthracene	100	94.01		ug/L		94	51 - 123
Benzo[a]pyrene	100	109.1		ug/L		109	48 - 125
Benzo[b]fluoranthene	100	100.3		ug/L		100	49 - 129
Benzo[g,h,i]perylene	100	107.0		ug/L		107	43 - 139
Benzo[k]fluoranthene	100	97.47		ug/L		97	47 - 130
Benzyl alcohol	100	74.90		ug/L		75	39 - 128
Bis(2-chloroethoxy)methane	100	73.80		ug/L		74	48 - 121
Bis(2-chloroethyl)ether	100	60.96		ug/L		61	43 - 123
bis (2-chloroisopropyl) ether	100	62.93		ug/L		63	34 - 123
Bis(2-ethylhexyl) phthalate	100	86.53		ug/L		87	43 - 143
4-Bromophenyl phenyl ether	100	77.02		ug/L		77	45 - 119
Butyl benzyl phthalate	100	89.63		ug/L		90	46 - 135
4-Chloroaniline	100	72.43		ug/L		72	21 - 139
4-Chloro-3-methylphenol	100	80.84		ug/L		81	49 - 130
2-Chloronaphthalene	100	72.30		ug/L		72	37 - 110
2-Chlorophenol	100	76.64		ug/L		77	44 - 117
4-Chlorophenyl phenyl ether	100	70.78		ug/L		71	44 - 116

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-453465/2-A
Matrix: Water
Analysis Batch: 453868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chrysene	100	92.00		ug/L		92	51 - 125
Dibenzo(a,h)anthracene	100	93.00		ug/L		93	38 - 149
Dibenzofuran	100	72.27		ug/L		72	45 - 112
2,4-Dichlorophenol	100	78.86		ug/L		79	41 - 124
2,6-Dichlorophenol	100	75.21		ug/L		75	30 - 130
Diethyl phthalate	100	87.24		ug/L		87	43 - 135
2,4-Dimethylphenol	100	80.51		ug/L		81	31 - 142
Dimethyl phthalate	100	83.44		ug/L		83	43 - 129
Di-n-butyl phthalate	100	85.93		ug/L		86	50 - 133
1,3-Dinitrobenzene	100	102.9		ug/L		103	45 - 138
4,6-Dinitro-2-methylphenol	200	180.8		ug/L		90	22 - 143
2,4-Dinitrophenol	200	138.4		ug/L		69	10 - 138
2,4-Dinitrotoluene	100	89.13		ug/L		89	47 - 137
2,6-Dinitrotoluene	100	87.71		ug/L		88	51 - 130
Di-n-octyl phthalate	100	68.49		ug/L		68	34 - 150
Fluoranthene	100	93.49		ug/L		93	47 - 128
Fluorene	100	65.79		ug/L		66	45 - 119
Hexachlorobenzene	100	75.04		ug/L		75	48 - 119
Hexachlorobutadiene	100	58.63		ug/L		59	32 - 110
Hexachlorocyclopentadiene	100	55.31		ug/L		55	10 - 110
Hexachloroethane	100	54.56		ug/L		55	31 - 110
Indeno[1,2,3-cd]pyrene	100	81.76		ug/L		82	37 - 150
Isophorone	100	76.14		ug/L		76	50 - 125
2-Methylnaphthalene	100	66.18		ug/L		66	33 - 110
2-Methylphenol	100	75.30		ug/L		75	47 - 118
Methylphenol, 3 & 4	100	73.08		ug/L		73	46 - 117
2-Nitroaniline	100	84.64		ug/L		85	50 - 135
3-Nitroaniline	100	95.90		ug/L		96	42 - 139
4-Nitroaniline	100	80.18		ug/L		80	31 - 145
Nitrobenzene	100	76.42		ug/L		76	47 - 116
2-Nitrophenol	100	83.76		ug/L		84	41 - 129
4-Nitrophenol	200	132.7		ug/L		66	18 - 110
N-Nitrosodimethylamine	100	58.83		ug/L		59	37 - 110
N-Nitrosodi-n-propylamine	100	75.77		ug/L		76	45 - 130
N-Nitrosodiphenylamine	100	88.62		ug/L		89	49 - 121
Pentachlorophenol	200	164.2		ug/L		82	26 - 133
Phenanthrene	100	79.41		ug/L		79	51 - 117
Phenol	100	57.66		ug/L		58	29 - 110
Pyrene	100	87.28		ug/L		87	48 - 127
1,2,4,5-Tetrachlorobenzene	100	65.88		ug/L		66	36 - 110
2,3,4,6-Tetrachlorophenol	100	90.38		ug/L		90	33 - 134
2,4,5-Trichlorophenol	100	79.23		ug/L		79	35 - 133
2,4,6-Trichlorophenol	100	85.52		ug/L		86	28 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*77*		*39 - 118*
2-Fluorophenol (Surr)	*64*		*25 - 110*
Nitrobenzene-d5 (Surr)	*78*		*45 - 129*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-453465/2-A
Matrix: Water
Analysis Batch: 453868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453465

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5 (Surr)	*50*		*21 - 110*
Terphenyl-d14 (Surr)	*77*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*85*		*27 - 136*

Lab Sample ID: LCS 310-453465/2-A
Matrix: Water
Analysis Batch: 454078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	81.04		ug/L		81	43 - 110
Acenaphthylene	100	83.93		ug/L		84	40 - 110
Acetophenone	100	86.12		ug/L		86	48 - 119
2-Acetylaminofluorene	51.2	36.21		ug/L		71	35 - 150
4-Aminobiphenyl	51.2	44.56		ug/L		87	24 - 138
Anthracene	100	89.57		ug/L		90	51 - 120
Benzo[a]anthracene	100	91.62		ug/L		92	51 - 123
Benzo[a]pyrene	100	90.71		ug/L		91	48 - 125
Benzo[b]fluoranthene	100	79.93		ug/L		80	49 - 129
Benzo[g,h,i]perylene	100	80.12		ug/L		80	43 - 139
Benzo[k]fluoranthene	100	119.3		ug/L		119	47 - 130
Benzyl alcohol	100	82.79		ug/L		83	39 - 128
Bis(2-chloroethoxy)methane	100	90.24		ug/L		90	48 - 121
Bis(2-chloroethyl)ether	100	78.26		ug/L		78	43 - 123
bis (2-chloroisopropyl) ether	100	79.85		ug/L		80	34 - 123
Bis(2-ethylhexyl) phthalate	100	88.54		ug/L		89	43 - 143
4-Bromophenyl phenyl ether	100	81.71		ug/L		82	45 - 119
Butyl benzyl phthalate	100	99.63		ug/L		100	46 - 135
4-Chloroaniline	100	83.71		ug/L		84	21 - 139
4-Chloro-3-methylphenol	100	94.81		ug/L		95	49 - 130
2-Chloronaphthalene	100	74.78		ug/L		75	37 - 110
2-Chlorophenol	100	80.57		ug/L		81	44 - 117
4-Chlorophenyl phenyl ether	100	83.89		ug/L		84	44 - 116
Chrysene	100	96.92		ug/L		97	51 - 125
Diallate	44.8	45.80		ug/L		102	42 - 141
Dibenzo(a,h)anthracene	100	79.93		ug/L		80	38 - 149
Dibenzofuran	100	86.13		ug/L		86	45 - 112
2,4-Dichlorophenol	100	88.27		ug/L		88	41 - 124
2,6-Dichlorophenol	100	86.74		ug/L		87	30 - 130
Diethyl phthalate	100	106.4		ug/L		106	43 - 135
Dimethoate	44.8	56.66		ug/L		126	51 - 150
7,12-Dimethylbenz(a)anthracene	51.2	46.80		ug/L		91	51 - 129
3,3'-Dimethylbenzidine	51.2	28.32		ug/L		55	10 - 150
2,4-Dimethylphenol	100	84.83		ug/L		85	31 - 142
Dimethyl phthalate	100	99.25		ug/L		99	43 - 129
Di-n-butyl phthalate	100	112.7		ug/L		113	50 - 133
1,3-Dinitrobenzene	100	82.12		ug/L		82	45 - 138
4,6-Dinitro-2-methylphenol	200	119.8		ug/L		60	22 - 143
2,4-Dinitrophenol	200	84.46		ug/L		42	10 - 138

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-453465/2-A
Matrix: Water
Analysis Batch: 454078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	100	96.30		ug/L		96	47 - 137
2,6-Dinitrotoluene	100	92.12		ug/L		92	51 - 130
Di-n-octyl phthalate	100	59.81		ug/L		60	34 - 150
Dinoseb	51.2	26.99		ug/L		53	25 - 146
Disulfoton	44.8	44.18		ug/L		99	54 - 131
Ethyl methanesulfonate	51.2	41.64		ug/L		81	48 - 120
Ethyl Parathion	44.8	35.11		ug/L		78	52 - 149
Fluoranthene	100	105.4		ug/L		105	47 - 128
Fluorene	100	89.70		ug/L		90	45 - 119
Hexachlorobenzene	100	82.79		ug/L		83	48 - 119
Hexachlorobutadiene	100	67.12		ug/L		67	32 - 110
Hexachlorocyclopentadiene	100	47.96		ug/L		48	10 - 110
Hexachloroethane	100	58.24		ug/L		58	31 - 110
Hexachloropropene	51.2	9.722	J	ug/L		19	10 - 110
Indeno[1,2,3-cd]pyrene	100	66.72		ug/L		67	37 - 150
Isodrin	51.2	45.92		ug/L		90	52 - 125
Isophorone	100	90.96		ug/L		91	50 - 125
Methapyrilene	44.8	13.79		ug/L		31	10 - 110
Methyl methanesulfonate	51.2	33.46		ug/L		65	36 - 110
2-Methylnaphthalene	100	75.91		ug/L		76	33 - 110
Methyl parathion	44.8	46.53		ug/L		104	50 - 150
2-Methylphenol	100	80.57		ug/L		81	47 - 118
Methylphenol, 3 & 4	100	81.62		ug/L		82	46 - 117
1,4-Naphthoquinone	51.2	55.83		ug/L		109	37 - 149
1-Naphthylamine	51.2	28.18		ug/L		55	19 - 110
2-Naphthylamine	51.2	45.14		ug/L		88	18 - 127
2-Nitroaniline	100	86.34		ug/L		86	50 - 135
3-Nitroaniline	100	99.77		ug/L		100	42 - 139
4-Nitroaniline	100	110.0		ug/L		110	31 - 145
Nitrobenzene	100	83.18		ug/L		83	47 - 116
5-Nitro-o-toluidine	51.2	57.54		ug/L		112	47 - 145
2-Nitrophenol	100	79.38		ug/L		79	41 - 129
4-Nitrophenol	200	120.7		ug/L		60	18 - 110
N-Nitrosodiethylamine	51.2	43.83		ug/L		86	47 - 138
N-Nitrosodimethylamine	100	71.11		ug/L		71	37 - 110
N-Nitrosodi-n-butylamine	51.2	48.46		ug/L		95	52 - 142
N-Nitrosodi-n-propylamine	100	85.40		ug/L		85	45 - 130
N-Nitrosodiphenylamine	100	102.5		ug/L		103	49 - 121
N-Nitrosomethylethylamine	51.2	41.28		ug/L		81	54 - 123
N-Nitrosopiperidine	51.2	46.90		ug/L		92	60 - 127
N-Nitrosopyrrolidine	51.2	47.65		ug/L		93	56 - 143
o,o',o''-Triethylphosphorothioate	44.8	38.14		ug/L		85	45 - 113
o-Toluidine	51.2	35.90		ug/L		70	24 - 142
p-Dimethylamino azobenzene	51.2	55.60		ug/L		109	42 - 138
Pentachlorobenzene	51.2	37.54		ug/L		73	33 - 110
Pentachloronitrobenzene	51.2	45.88		ug/L		90	65 - 127
Pentachlorophenol	200	124.3		ug/L		62	26 - 133
Phenacetin	51.2	49.03		ug/L		96	56 - 146
Phenanthrene	100	88.60		ug/L		89	51 - 117

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-453465/2-A
Matrix: Water
Analysis Batch: 454078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol	100	58.98		ug/L		59	29 - 110
1,4-phenylenediamine	51.2	<10.0	*-	ug/L		-0.5	20 - 120
Phorate	44.8	42.57		ug/L		95	57 - 135
Pronamide	51.2	55.53		ug/L		108	61 - 144
Pyrene	100	91.63		ug/L		92	48 - 127
Safrole	44.8	36.74		ug/L		82	34 - 110
1,2,4,5-Tetrachlorobenzene	100	74.03		ug/L		74	36 - 110
2,3,4,6-Tetrachlorophenol	100	77.37		ug/L		77	33 - 134
Thionazin	44.8	52.12		ug/L		116	52 - 147
2,4,5-Trichlorophenol	100	83.70		ug/L		84	35 - 133
2,4,6-Trichlorophenol	100	82.30		ug/L		82	28 - 139
1,3,5-Trinitrobenzene	51.2	35.27		ug/L		69	39 - 144

Lab Sample ID: LCS 310-453465/2-A
Matrix: Water
Analysis Batch: 454593

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzilate	51.2	71.07	*+	ug/L		139	52 - 138

Lab Sample ID: LCS 310-453465/2-A
Matrix: Water
Analysis Batch: 454747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Famphur	44.8	45.07		ug/L		101	44 - 150

Lab Sample ID: LCSD 310-453465/3-A
Matrix: Water
Analysis Batch: 454078

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453465

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	100	86.63		ug/L		87	43 - 110	7	35
Acenaphthylene	100	85.73		ug/L		86	40 - 110	2	35
Acetophenone	100	85.60		ug/L		86	48 - 119	1	35
2-Acetylaminofluorene	51.2	34.37		ug/L		67	35 - 150	5	28
4-Aminobiphenyl	51.2	47.06		ug/L		92	24 - 138	5	35
Anthracene	100	91.54		ug/L		92	51 - 120	2	35
Benzo[a]anthracene	100	91.92		ug/L		92	51 - 123	0	35
Benzo[a]pyrene	100	83.59		ug/L		84	48 - 125	8	35
Benzo[b]fluoranthene	100	80.68		ug/L		81	49 - 129	1	35
Benzo[g,h,i]perylene	100	82.57		ug/L		83	43 - 139	3	35
Benzo[k]fluoranthene	100	107.9		ug/L		108	47 - 130	10	35
Benzyl alcohol	100	81.95		ug/L		82	39 - 128	1	35
Bis(2-chloroethoxy)methane	100	90.56		ug/L		91	48 - 121	0	35
Bis(2-chloroethyl)ether	100	75.76		ug/L		76	43 - 123	3	35
bis (2-chloroisopropyl) ether	100	81.61		ug/L		82	34 - 123	2	35
Bis(2-ethylhexyl) phthalate	100	85.17		ug/L		85	43 - 143	4	35
4-Bromophenyl phenyl ether	100	87.23		ug/L		87	45 - 119	7	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-453465/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454078
Prep Batch: 453465

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Butyl benzyl phthalate	100	97.98		ug/L		98	46 - 135	2	35
4-Chloroaniline	100	88.05		ug/L		88	21 - 139	5	35
4-Chloro-3-methylphenol	100	86.60		ug/L		87	49 - 130	9	35
2-Chloronaphthalene	100	77.30		ug/L		77	37 - 110	3	35
2-Chlorophenol	100	36.96	*- *1	ug/L		37	44 - 117	74	35
4-Chlorophenyl phenyl ether	100	85.42		ug/L		85	44 - 116	2	35
Chrysene	100	97.89		ug/L		98	51 - 125	1	35
Diallate	44.8	49.00		ug/L		109	42 - 141	7	35
Dibenzo(a,h)anthracene	100	76.63		ug/L		77	38 - 149	4	35
Dibenzofuran	100	86.92		ug/L		87	45 - 112	1	35
2,4-Dichlorophenol	100	38.36	*- *1	ug/L		38	41 - 124	79	35
2,6-Dichlorophenol	100	12.08	*- *1	ug/L		12	30 - 130	151	35
Diethyl phthalate	100	100.9		ug/L		101	43 - 135	5	35
Dimethoate	44.8	52.15		ug/L		116	51 - 150	8	26
7,12-Dimethylbenz(a)anthracene	51.2	48.57		ug/L		95	51 - 129	4	28
3,3'-Dimethylbenzidine	51.2	43.95	*1	ug/L		86	10 - 150	43	35
2,4-Dimethylphenol	100	82.38		ug/L		82	31 - 142	3	35
Dimethyl phthalate	100	95.32		ug/L		95	43 - 129	4	35
Di-n-butyl phthalate	100	109.1		ug/L		109	50 - 133	3	35
1,3-Dinitrobenzene	100	83.57		ug/L		84	45 - 138	2	35
4,6-Dinitro-2-methylphenol	200	7.930	J *- *1	ug/L		4	22 - 143	175	35
2,4-Dinitrophenol	200	<20.0	*- *1	ug/L		4	10 - 138	164	35
2,4-Dinitrotoluene	100	86.35		ug/L		86	47 - 137	11	35
2,6-Dinitrotoluene	100	90.38		ug/L		90	51 - 130	2	35
Di-n-octyl phthalate	100	61.57		ug/L		62	34 - 150	3	35
Dinoseb	51.2	8.982	J *- *1	ug/L		18	25 - 146	100	35
Disulfoton	44.8	42.12		ug/L		94	54 - 131	5	24
Ethyl methanesulfonate	51.2	42.49		ug/L		83	48 - 120	2	27
Ethyl Parathion	44.8	29.80		ug/L		67	52 - 149	16	26
Fluoranthene	100	101.3		ug/L		101	47 - 128	4	35
Fluorene	100	90.30		ug/L		90	45 - 119	1	35
Hexachlorobenzene	100	84.85		ug/L		85	48 - 119	2	35
Hexachlorobutadiene	100	70.19		ug/L		70	32 - 110	4	35
Hexachlorocyclopentadiene	100	47.67		ug/L		48	10 - 110	1	35
Hexachloroethane	100	55.60		ug/L		56	31 - 110	5	35
Hexachloropropene	51.2	11.24		ug/L		22	10 - 110	14	35
Indeno[1,2,3-cd]pyrene	100	70.57		ug/L		71	37 - 150	6	35
Isodrin	51.2	48.96		ug/L		96	52 - 125	6	26
Isophorone	100	92.48		ug/L		92	50 - 125	2	35
Methapyrilene	44.8	26.40	*1	ug/L		59	10 - 110	63	35
Methyl methanesulfonate	51.2	34.64		ug/L		68	36 - 110	3	26
2-Methylnaphthalene	100	78.35		ug/L		78	33 - 110	3	35
Methyl parathion	44.8	41.26		ug/L		92	50 - 150	12	25
2-Methylphenol	100	77.42		ug/L		77	47 - 118	4	35
Methylphenol, 3 & 4	100	74.24		ug/L		74	46 - 117	9	35
1,4-Naphthoquinone	51.2	52.69		ug/L		103	37 - 149	6	29
1-Naphthylamine	51.2	29.28		ug/L		57	19 - 110	4	35
2-Naphthylamine	51.2	46.97		ug/L		92	18 - 127	4	35
2-Nitroaniline	100	85.83		ug/L		86	50 - 135	1	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-453465/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 454078 — **Prep Batch: 453465**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3-Nitroaniline	100	98.75		ug/L		99	42 - 139	1	35
4-Nitroaniline	100	99.48		ug/L		99	31 - 145	10	35
Nitrobenzene	100	85.76		ug/L		86	47 - 116	3	35
5-Nitro-o-toluidine	51.2	53.48		ug/L		104	47 - 145	7	31
2-Nitrophenol	100	29.56	*- *1	ug/L		30	41 - 129	91	35
4-Nitrophenol	200	<10.0	*- *1	ug/L		2	18 - 110	189	35
N-Nitrosodiethylamine	51.2	44.44		ug/L		87	47 - 138	1	26
N-Nitrosodimethylamine	100	71.11		ug/L		71	37 - 110	0	35
N-Nitrosodi-n-butylamine	51.2	49.87		ug/L		97	52 - 142	3	27
N-Nitrosodi-n-propylamine	100	86.39		ug/L		86	45 - 130	1	35
N-Nitrosodiphenylamine	100	99.81		ug/L		100	49 - 121	3	35
N-Nitrosomethylethylamine	51.2	44.07		ug/L		86	54 - 123	7	26
N-Nitrosopiperidine	51.2	49.44		ug/L		97	60 - 127	5	26
N-Nitrosopyrrolidine	51.2	49.99		ug/L		98	56 - 143	5	25
o,o',o''-Triethylphosphorothioate	44.8	39.34		ug/L		88	45 - 113	3	33
o-Toluidine	51.2	44.81		ug/L		88	24 - 142	22	35
p-Dimethylamino azobenzene	51.2	54.35		ug/L		106	42 - 138	2	29
Pentachlorobenzene	51.2	42.04		ug/L		82	33 - 110	11	35
Pentachloronitrobenzene	51.2	42.93		ug/L		84	65 - 127	7	29
Pentachlorophenol	200	<10.0	*- *1	ug/L		4	26 - 133	177	35
Phenacetin	51.2	43.89		ug/L		86	56 - 146	11	25
Phenanthrene	100	90.84		ug/L		91	51 - 117	2	35
Phenol	100	40.08	*1	ug/L		40	29 - 110	38	35
1,4-phenylenediamine	51.2	<10.0	*- *1	ug/L		-0.9	20 - 120	54	35
Phorate	44.8	41.27		ug/L		92	57 - 135	3	26
Pronamide	51.2	55.08		ug/L		108	61 - 144	1	27
Pyrene	100	91.01		ug/L		91	48 - 127	1	35
Safrole	44.8	40.88		ug/L		91	34 - 110	11	35
1,2,4,5-Tetrachlorobenzene	100	73.75		ug/L		74	36 - 110	0	35
2,3,4,6-Tetrachlorophenol	100	<10.0	*- *1	ug/L		3	33 - 134	183	35
Thionazin	44.8	47.74		ug/L		107	52 - 147	9	28
2,4,5-Trichlorophenol	100	20.11	*- *1	ug/L		20	35 - 133	123	35
2,4,6-Trichlorophenol	100	8.288	J *- *1	ug/L		8	28 - 139	163	35
1,3,5-Trinitrobenzene	51.2	27.26		ug/L		53	39 - 144	26	35

Lab Sample ID: LCSD 310-453465/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 454501 — **Prep Batch: 453465**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	100	105.7		ug/L		106	43 - 110	26	35
Acenaphthylene	100	86.87		ug/L		87	40 - 110	20	35
Acetophenone	100	90.26		ug/L		90	48 - 119	15	35
Anthracene	100	85.50		ug/L		86	51 - 120	8	35
Benzo[a]anthracene	100	100.4		ug/L		100	51 - 123	7	35
Benzo[a]pyrene	100	107.3		ug/L		107	48 - 125	2	35
Benzo[b]fluoranthene	100	115.1		ug/L		115	49 - 129	14	35
Benzo[g,h,i]perylene	100	109.6		ug/L		110	43 - 139	2	35
Benzo[k]fluoranthene	100	104.4		ug/L		104	47 - 130	7	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-453465/3-A
Matrix: Water
Analysis Batch: 454501

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453465

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzyl alcohol	100	96.19		ug/L		96	39 - 128	25	35
Bis(2-chloroethoxy)methane	100	94.70		ug/L		95	48 - 121	25	35
Bis(2-chloroethyl)ether	100	90.77	*1	ug/L		91	43 - 123	39	35
bis (2-chloroisopropyl) ether	100	93.19	*1	ug/L		93	34 - 123	39	35
Bis(2-ethylhexyl) phthalate	100	120.0		ug/L		120	43 - 143	32	35
4-Bromophenyl phenyl ether	100	85.67		ug/L		86	45 - 119	11	35
Butyl benzyl phthalate	100	108.3		ug/L		108	46 - 135	19	35
4-Chloroaniline	100	83.07		ug/L		83	21 - 139	14	35
4-Chloro-3-methylphenol	100	81.81		ug/L		82	49 - 130	1	35
2-Chloronaphthalene	100	80.02		ug/L		80	37 - 110	10	35
2-Chlorophenol	100	35.48	*- *1	ug/L		35	44 - 117	73	35
4-Chlorophenyl phenyl ether	100	79.33		ug/L		79	44 - 116	11	35
Chrysene	100	93.74		ug/L		94	51 - 125	2	35
Dibenzo(a,h)anthracene	100	107.2		ug/L		107	38 - 149	14	35
Dibenzofuran	100	79.69		ug/L		80	45 - 112	10	35
2,4-Dichlorophenol	100	40.81	*1	ug/L		41	41 - 124	64	35
2,6-Dichlorophenol	100	13.45	*- *1	ug/L		13	30 - 130	139	35
Diethyl phthalate	100	87.15		ug/L		87	43 - 135	0	35
2,4-Dimethylphenol	100	82.22		ug/L		82	31 - 142	2	35
Dimethyl phthalate	100	94.83		ug/L		95	43 - 129	13	35
Di-n-butyl phthalate	100	95.48		ug/L		95	50 - 133	11	35
1,3-Dinitrobenzene	100	104.4		ug/L		104	45 - 138	2	35
4,6-Dinitro-2-methylphenol	200	7.258	J *- *1	ug/L		4	22 - 143	185	35
2,4-Dinitrophenol	200	<20.0	*- *1	ug/L		4	10 - 138	178	35
2,4-Dinitrotoluene	100	90.71		ug/L		91	47 - 137	2	35
2,6-Dinitrotoluene	100	102.7		ug/L		103	51 - 130	16	35
Di-n-octyl phthalate	100	109.5	*1	ug/L		109	34 - 150	46	35
Fluoranthene	100	84.35		ug/L		84	47 - 128	10	35
Fluorene	100	77.76		ug/L		78	45 - 119	17	35
Hexachlorobenzene	100	82.66		ug/L		83	48 - 119	10	35
Hexachlorobutadiene	100	70.27		ug/L		70	32 - 110	18	35
Hexachlorocyclopentadiene	100	71.98		ug/L		72	10 - 110	26	35
Hexachloroethane	100	70.25		ug/L		70	31 - 110	25	35
Indeno[1,2,3-cd]pyrene	100	114.4		ug/L		114	37 - 150	33	35
Isophorone	100	93.37		ug/L		93	50 - 125	20	35
2-Methylnaphthalene	100	77.72		ug/L		78	33 - 110	16	35
2-Methylphenol	100	92.43		ug/L		92	47 - 118	20	35
Methylphenol, 3 & 4	100	80.05		ug/L		80	46 - 117	9	35
2-Nitroaniline	100	103.9		ug/L		104	50 - 135	20	35
3-Nitroaniline	100	101.2		ug/L		101	42 - 139	5	35
4-Nitroaniline	100	82.17		ug/L		82	31 - 145	2	35
Nitrobenzene	100	92.90		ug/L		93	47 - 116	19	35
2-Nitrophenol	100	42.04	*1	ug/L		42	41 - 129	66	35
4-Nitrophenol	200	<10.0	*- *1	ug/L		2	18 - 110	191	35
N-Nitrosodimethylamine	100	80.91		ug/L		81	37 - 110	32	35
N-Nitrosodi-n-propylamine	100	96.41		ug/L		96	45 - 130	24	35
N-Nitrosodiphenylamine	100	99.92		ug/L		100	49 - 121	12	35
Pentachlorophenol	200	<10.0	*- *1	ug/L		4	26 - 133	183	35
Phenanthrene	100	82.86		ug/L		83	51 - 117	4	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-453465/3-A
Matrix: Water
Analysis Batch: 454501

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453465

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenol			100	49.05		ug/L		49	29 - 110	16	35
Pyrene			100	104.2		ug/L		104	48 - 127	18	35
1,2,4,5-Tetrachlorobenzene			100	71.54		ug/L		72	36 - 110	8	35
2,3,4,6-Tetrachlorophenol			100	7.578	J *- *1	ug/L		8	33 - 134	169	35
2,4,5-Trichlorophenol			100	19.19	*- *1	ug/L		19	35 - 133	122	35
2,4,6-Trichlorophenol			100	11.65	*- *1	ug/L		12	28 - 139	152	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*96*		*39 - 118*
2-Fluorophenol (Surr)	*17*	*S1-*	*25 - 110*
Nitrobenzene-d5 (Surr)	*100*		*45 - 129*
Phenol-d5 (Surr)	*42*		*21 - 110*
Terphenyl-d14 (Surr)	*87*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*31*		*27 - 136*

Lab Sample ID: LCSD 310-453465/3-A
Matrix: Water
Analysis Batch: 454593

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453465

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorobenzilate			51.2	68.67		ug/L		134	52 - 138	3	28

Lab Sample ID: LCSD 310-453465/3-A
Matrix: Water
Analysis Batch: 454686

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453465

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Famphur			44.8	46.12		ug/L		103	44 - 150	2	35

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Lab Sample ID: MB 310-453479/4
Matrix: Water
Analysis Batch: 453479

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/02/25 09:43	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/02/25 09:43	1

Lab Sample ID: LCS 310-453479/5
Matrix: Water
Analysis Batch: 453479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetonitrile			53.1	56.95		mg/L		107	67 - 131		
Isobutanol			48.4	53.74		mg/L		111	80 - 120		

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection) (Continued)

Lab Sample ID: LCSD 310-453479/6
Matrix: Water
Analysis Batch: 453479

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetonitrile			53.1	58.95		mg/L		111	67 - 131	3	20
Isobutanol			48.4	54.42		mg/L		112	80 - 120	1	20

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LB 310-452894/1-E
Matrix: Water
Analysis Batch: 453587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453384

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0967		0.0967	0.0242	ug/L		05/01/25 12:27	05/03/25 16:58	1
4,4'-DDE	<0.0967		0.0967	0.0290	ug/L		05/01/25 12:27	05/03/25 16:58	1
4,4'-DDT	<0.0967		0.0967	0.0193	ug/L		05/01/25 12:27	05/03/25 16:58	1
Aldrin	<0.0967		0.0967	0.0213	ug/L		05/01/25 12:27	05/03/25 16:58	1
alpha-BHC	<0.0967		0.0967	0.00967	ug/L		05/01/25 12:27	05/03/25 16:58	1
beta-BHC	<0.0967		0.0967	0.0406	ug/L		05/01/25 12:27	05/03/25 16:58	1
Chlordane (technical)	<1.93		1.93	0.377	ug/L		05/01/25 12:27	05/03/25 16:58	1
delta-BHC	<0.0967		0.0967	0.0309	ug/L		05/01/25 12:27	05/03/25 16:58	1
Dieldrin	<0.0967		0.0967	0.0203	ug/L		05/01/25 12:27	05/03/25 16:58	1
Endosulfan I	<0.0967		0.0967	0.0271	ug/L		05/01/25 12:27	05/03/25 16:58	1
Endosulfan II	<0.0967		0.0967	0.0251	ug/L		05/01/25 12:27	05/03/25 16:58	1
Endosulfan sulfate	<0.0967		0.0967	0.0174	ug/L		05/01/25 12:27	05/03/25 16:58	1
Endrin	<0.0967		0.0967	0.0271	ug/L		05/01/25 12:27	05/03/25 16:58	1
Endrin aldehyde	<0.0967		0.0967	0.0261	ug/L		05/01/25 12:27	05/03/25 16:58	1
gamma-BHC (Lindane)	<0.0967		0.0967	0.00967	ug/L		05/01/25 12:27	05/03/25 16:58	1
Heptachlor	<0.0967		0.0967	0.0222	ug/L		05/01/25 12:27	05/03/25 16:58	1
Heptachlor epoxide	<0.0967		0.0967	0.0309	ug/L		05/01/25 12:27	05/03/25 16:58	1
Methoxychlor	<0.0967		0.0967	0.0309	ug/L		05/01/25 12:27	05/03/25 16:58	1
Toxaphene	<1.93		1.93	0.967	ug/L		05/01/25 12:27	05/03/25 16:58	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*59*		*10 - 150*	*05/01/25 12:27*	*05/03/25 16:58*	*1*
Tetrachloro-m-xylene	*63*		*17 - 150*	*05/01/25 12:27*	*05/03/25 16:58*	*1*

Lab Sample ID: MB 310-453384/1-A
Matrix: Water
Analysis Batch: 453587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0989		0.0989	0.0247	ug/L		05/01/25 12:27	05/03/25 16:45	1
4,4'-DDE	<0.0989		0.0989	0.0297	ug/L		05/01/25 12:27	05/03/25 16:45	1
4,4'-DDT	<0.0989		0.0989	0.0198	ug/L		05/01/25 12:27	05/03/25 16:45	1
Aldrin	<0.0989		0.0989	0.0218	ug/L		05/01/25 12:27	05/03/25 16:45	1
alpha-BHC	<0.0989		0.0989	0.00989	ug/L		05/01/25 12:27	05/03/25 16:45	1
beta-BHC	<0.0989		0.0989	0.0415	ug/L		05/01/25 12:27	05/03/25 16:45	1
Chlordane (technical)	<1.98		1.98	0.386	ug/L		05/01/25 12:27	05/03/25 16:45	1
delta-BHC	<0.0989		0.0989	0.0316	ug/L		05/01/25 12:27	05/03/25 16:45	1
Dieldrin	<0.0989		0.0989	0.0208	ug/L		05/01/25 12:27	05/03/25 16:45	1
Endosulfan I	<0.0989		0.0989	0.0277	ug/L		05/01/25 12:27	05/03/25 16:45	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 310-453384/1-A
Matrix: Water
Analysis Batch: 453587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	<0.0989		0.0989	0.0257	ug/L		05/01/25 12:27	05/03/25 16:45	1
Endosulfan sulfate	<0.0989		0.0989	0.0178	ug/L		05/01/25 12:27	05/03/25 16:45	1
Endrin	<0.0989		0.0989	0.0277	ug/L		05/01/25 12:27	05/03/25 16:45	1
Endrin aldehyde	<0.0989		0.0989	0.0267	ug/L		05/01/25 12:27	05/03/25 16:45	1
gamma-BHC (Lindane)	<0.0989		0.0989	0.00989	ug/L		05/01/25 12:27	05/03/25 16:45	1
Heptachlor	<0.0989		0.0989	0.0227	ug/L		05/01/25 12:27	05/03/25 16:45	1
Heptachlor epoxide	<0.0989		0.0989	0.0316	ug/L		05/01/25 12:27	05/03/25 16:45	1
Methoxychlor	<0.0989		0.0989	0.0316	ug/L		05/01/25 12:27	05/03/25 16:45	1
Toxaphene	<1.98		1.98	0.989	ug/L		05/01/25 12:27	05/03/25 16:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*56*		*10 - 150*	*05/01/25 12:27*	*05/03/25 16:45*	*1*
Tetrachloro-m-xylene	*49*		*17 - 150*	*05/01/25 12:27*	*05/03/25 16:45*	*1*

Lab Sample ID: LCS 310-453384/30-A
Matrix: Water
Analysis Batch: 453587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.78	2.993		ug/L		108	28 - 150
4,4'-DDE	2.78	2.728		ug/L		98	10 - 150
4,4'-DDT	2.78	2.268		ug/L		82	10 - 150
Aldrin	2.78	1.924		ug/L		69	10 - 146
alpha-BHC	2.78	2.732		ug/L		98	57 - 149
beta-BHC	2.78	2.524		ug/L		91	53 - 145
delta-BHC	2.78	2.469		ug/L		89	49 - 148
Dieldrin	2.78	2.797		ug/L		101	43 - 150
Endosulfan I	2.78	1.819		ug/L		65	26 - 133
Endosulfan II	2.78	2.154		ug/L		78	38 - 139
Endosulfan sulfate	2.78	3.105		ug/L		112	54 - 150
Endrin	2.78	2.990		ug/L		108	41 - 150
Endrin aldehyde	2.78	2.881		ug/L		104	42 - 147
gamma-BHC (Lindane)	2.78	2.788		ug/L		100	57 - 150
Heptachlor	2.78	2.103		ug/L		76	16 - 135
Heptachlor epoxide	2.78	2.937		ug/L		106	49 - 150
Methoxychlor	2.78	2.943		ug/L		106	16 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*2*	*S1-*	*10 - 150*
Tetrachloro-m-xylene	*0.1*	*S1- p*	*17 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: LB 310-452494/1-E
Matrix: Water
Analysis Batch: 453585

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453384

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.95		1.95	0.799	ug/L		05/01/25 12:27	05/03/25 18:55	1
PCB-1221	<1.95		1.95	0.799	ug/L		05/01/25 12:27	05/03/25 18:55	1
PCB-1232	<1.95		1.95	0.799	ug/L		05/01/25 12:27	05/03/25 18:55	1
PCB-1242	<1.95		1.95	0.799	ug/L		05/01/25 12:27	05/03/25 18:55	1
PCB-1248	<1.95		1.95	0.673	ug/L		05/01/25 12:27	05/03/25 18:55	1
PCB-1254	<1.95		1.95	0.673	ug/L		05/01/25 12:27	05/03/25 18:55	1
PCB-1260	<1.95		1.95	0.673	ug/L		05/01/25 12:27	05/03/25 18:55	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*64*		*10 - 150*	*05/01/25 12:27*	*05/03/25 18:55*	*1*
Tetrachloro-m-xylene	*56*		*17 - 150*	*05/01/25 12:27*	*05/03/25 18:55*	*1*

Lab Sample ID: MB 310-453384/1-A
Matrix: Water
Analysis Batch: 453585

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.98		1.98	0.811	ug/L		05/01/25 12:27	05/03/25 16:45	1
PCB-1221	<1.98		1.98	0.811	ug/L		05/01/25 12:27	05/03/25 16:45	1
PCB-1232	<1.98		1.98	0.811	ug/L		05/01/25 12:27	05/03/25 16:45	1
PCB-1242	<1.98		1.98	0.811	ug/L		05/01/25 12:27	05/03/25 16:45	1
PCB-1248	<1.98		1.98	0.682	ug/L		05/01/25 12:27	05/03/25 16:45	1
PCB-1254	<1.98		1.98	0.682	ug/L		05/01/25 12:27	05/03/25 16:45	1
PCB-1260	<1.98		1.98	0.682	ug/L		05/01/25 12:27	05/03/25 16:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*56*		*10 - 150*	*05/01/25 12:27*	*05/03/25 16:45*	*1*
Tetrachloro-m-xylene	*49*		*17 - 150*	*05/01/25 12:27*	*05/03/25 16:45*	*1*

Lab Sample ID: LCS 310-453384/11-A
Matrix: Water
Analysis Batch: 453585

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	28.1	23.14		ug/L		82	25 - 150
PCB-1260	28.1	24.37		ug/L		87	14 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*2*	*S1-*	*10 - 150*
Tetrachloro-m-xylene	*0.3*	*p S1-*	*17 - 150*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-640241/1-A
Matrix: Water
Analysis Batch: 640492

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 640241

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.600		0.600	0.250	ug/L		05/06/25 15:04	05/07/25 06:40	1
Silvex (2,4,5-TP)	<0.0500		0.0500	0.0220	ug/L		05/06/25 15:04	05/07/25 06:40	1
2,4,5-T	<0.150		0.150	0.0650	ug/L		05/06/25 15:04	05/07/25 06:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*53*		*34 - 142*	*05/06/25 15:04*	*05/07/25 06:40*	*1*
DCAA	*48*		*34 - 142*	*05/06/25 15:04*	*05/07/25 06:40*	*1*

Lab Sample ID: LCS 410-640241/2-A
Matrix: Water
Analysis Batch: 640492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 640241

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-D			2.00	1.993		ug/L		100	53 - 159		
2,4,5-T			0.400	0.4392		ug/L		110	57 - 171		

Surrogate			*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA			*94*		*34 - 142*
DCAA			*95*		*34 - 142*

Lab Sample ID: LCSD 410-640241/3-A
Matrix: Water
Analysis Batch: 640492

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 640241

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D			2.00	1.671		ug/L		84	53 - 159	18	30
2,4,5-T			0.400	0.3514		ug/L		88	57 - 171	22	30

Surrogate			*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCAA			*79*		*34 - 142*
DCAA			*78*		*34 - 142*

Method: 8151A - Herbicides (GC) - DL

Lab Sample ID: LCS 410-640241/2-A
Matrix: Water
Analysis Batch: 640492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 640241

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silvex (2,4,5-TP) - DL			4.01	3.212		ug/L		80	62 - 170		

Surrogate			*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA - DL			*92*		*34 - 142*
DCAA - DL			*95*		*34 - 142*

Method: 8151A - Herbicides (GC) - DL (Continued)

Lab Sample ID: LCSD 410-640241/3-A
Matrix: Water
Analysis Batch: 640492

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 640241

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silvex (2,4,5-TP) - DL			4.01	3.315		ug/L		83	62 - 170	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCAA - DL	*99*		*34 - 142*
DCAA - DL	*104*		*34 - 142*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-453494/3
Matrix: Water
Analysis Batch: 453494

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200		0.200	0.0780	mg/L			04/30/25 12:42	1
Sulfate	<1.00		1.00	0.420	mg/L			04/30/25 12:42	1

Lab Sample ID: LCS 310-453494/4
Matrix: Water
Analysis Batch: 453494

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			2.00	2.032		mg/L		102	90 - 110		
Sulfate			10.0	9.905		mg/L		99	90 - 110		

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-453421/1-A
Matrix: Water
Analysis Batch: 454358

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453421

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/09/25 15:18	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/02/25 09:00	05/09/25 15:18	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/02/25 09:00	05/09/25 15:18	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/09/25 15:18	1
Cadmium	0.0001020	J	0.000200	0.000100	mg/L		05/02/25 09:00	05/09/25 15:18	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/09/25 15:18	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/09/25 15:18	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/09/25 15:18	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/09/25 15:18	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/09/25 15:18	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/09/25 15:18	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/09/25 15:18	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/09/25 15:18	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/09/25 15:18	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/09/25 15:18	1
Iron	<0.100		0.100	0.0500	mg/L		05/02/25 09:00	05/09/25 15:18	1
Manganese	<0.0100		0.0100	0.00360	mg/L		05/02/25 09:00	05/09/25 15:18	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-453421/1-A
Matrix: Water
Analysis Batch: 454361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453421

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/10/25 15:50	1

Lab Sample ID: LCS 310-453421/2-A
Matrix: Water
Analysis Batch: 454358

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453421

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2022		mg/L		101	80 - 120
Arsenic	0.200	0.2005		mg/L		100	80 - 120
Barium	0.100	0.1013		mg/L		101	80 - 120
Beryllium	0.100	0.09332		mg/L		93	80 - 120
Cadmium	0.100	0.09881		mg/L		99	80 - 120
Chromium	0.100	0.09711		mg/L		97	80 - 120
Cobalt	0.100	0.09914		mg/L		99	80 - 120
Copper	0.200	0.1955		mg/L		98	80 - 120
Lead	0.200	0.2101		mg/L		105	80 - 120
Selenium	0.400	0.3865		mg/L		97	80 - 120
Silver	0.100	0.1115		mg/L		112	80 - 120
Thallium	0.100	0.08511		mg/L		85	80 - 120
Vanadium	0.100	0.09623		mg/L		96	80 - 120
Zinc	0.200	0.1825		mg/L		91	80 - 120
Tin	0.200	0.2036		mg/L		102	80 - 120
Iron	0.200	0.2021		mg/L		101	80 - 120
Manganese	0.100	0.09675		mg/L		97	80 - 120

Lab Sample ID: LCS 310-453421/2-A
Matrix: Water
Analysis Batch: 454361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453421

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	0.200	0.1943		mg/L		97	80 - 120

Lab Sample ID: MB 310-453423/1-A
Matrix: Water
Analysis Batch: 453796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 14:42	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/02/25 09:00	05/05/25 14:42	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/02/25 09:00	05/05/25 14:42	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/05/25 14:42	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/05/25 14:42	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/05/25 14:42	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/05/25 14:42	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/05/25 14:42	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/05/25 14:42	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/05/25 14:42	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/05/25 14:42	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/05/25 14:42	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-453423/1-A
Matrix: Water
Analysis Batch: 453796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/05/25 14:42	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/05/25 14:42	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/05/25 14:42	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/05/25 14:42	1
Iron	<0.100		0.100	0.0500	mg/L		05/02/25 09:00	05/05/25 14:42	1
Manganese	<0.0100		0.0100	0.00360	mg/L		05/02/25 09:00	05/05/25 14:42	1

Lab Sample ID: LCS 310-453423/2-A
Matrix: Water
Analysis Batch: 453796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.1957		mg/L		98	80 - 120
Arsenic	0.200	0.1922		mg/L		96	80 - 120
Barium	0.100	0.09603		mg/L		96	80 - 120
Beryllium	0.100	0.09158		mg/L		92	80 - 120
Cadmium	0.100	0.09206		mg/L		92	80 - 120
Chromium	0.100	0.09422		mg/L		94	80 - 120
Cobalt	0.100	0.09602		mg/L		96	80 - 120
Copper	0.200	0.1896		mg/L		95	80 - 120
Lead	0.200	0.1955		mg/L		98	80 - 120
Nickel	0.200	0.1875		mg/L		94	80 - 120
Selenium	0.400	0.3656		mg/L		91	80 - 120
Silver	0.100	0.1013		mg/L		101	80 - 120
Thallium	0.100	0.08813		mg/L		88	80 - 120
Vanadium	0.100	0.09310		mg/L		93	80 - 120
Zinc	0.200	0.1829		mg/L		91	80 - 120
Tin	0.200	0.1850		mg/L		92	80 - 120
Iron	0.200	0.1996		mg/L		100	80 - 120
Manganese	0.100	0.09426		mg/L		94	80 - 120

Lab Sample ID: MB 310-453426/1-A
Matrix: Water
Analysis Batch: 453657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453426

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/02/25 09:00	05/02/25 17:39	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/02/25 09:00	05/02/25 17:39	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/02/25 09:00	05/02/25 17:39	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/02/25 09:00	05/02/25 17:39	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/02/25 09:00	05/02/25 17:39	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/02/25 09:00	05/02/25 17:39	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/02/25 09:00	05/02/25 17:39	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/02/25 09:00	05/02/25 17:39	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/02/25 09:00	05/02/25 17:39	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/02/25 09:00	05/02/25 17:39	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/02/25 09:00	05/02/25 17:39	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/02/25 09:00	05/02/25 17:39	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/02/25 09:00	05/02/25 17:39	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-453426/1-A
Matrix: Water
Analysis Batch: 453657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453426

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.0200		0.0200	0.0130	mg/L		05/02/25 09:00	05/02/25 17:39	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/02/25 09:00	05/02/25 17:39	1
Iron	<0.100		0.100	0.0500	mg/L		05/02/25 09:00	05/02/25 17:39	1
Manganese	<0.0100		0.0100	0.00360	mg/L		05/02/25 09:00	05/02/25 17:39	1

Lab Sample ID: MB 310-453426/1-A
Matrix: Water
Analysis Batch: 453796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453426

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/02/25 09:00	05/05/25 13:25	1

Lab Sample ID: LCS 310-453426/2-A
Matrix: Water
Analysis Batch: 453657

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453426

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.1927		mg/L		96	80 - 120
Barium	0.100	0.09091		mg/L		91	80 - 120
Beryllium	0.100	0.08723		mg/L		87	80 - 120
Cadmium	0.100	0.09729		mg/L		97	80 - 120
Chromium	0.100	0.09496		mg/L		95	80 - 120
Cobalt	0.100	0.09733		mg/L		97	80 - 120
Copper	0.200	0.1920		mg/L		96	80 - 120
Lead	0.200	0.2027		mg/L		101	80 - 120
Nickel	0.200	0.1896		mg/L		95	80 - 120
Selenium	0.400	0.3570		mg/L		89	80 - 120
Silver	0.100	0.1090		mg/L		109	80 - 120
Thallium	0.100	0.09268		mg/L		93	80 - 120
Vanadium	0.100	0.09265		mg/L		93	80 - 120
Zinc	0.200	0.1901		mg/L		95	80 - 120
Tin	0.200	0.1799		mg/L		90	80 - 120
Iron	0.200	0.1900		mg/L		95	80 - 120
Manganese	0.100	0.08785		mg/L		88	80 - 120

Lab Sample ID: LCS 310-453426/2-A
Matrix: Water
Analysis Batch: 453796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453426

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2043		mg/L		102	80 - 120

Lab Sample ID: MB 310-453549/1-A
Matrix: Water
Analysis Batch: 454092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/05/25 10:00	05/07/25 15:38	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/05/25 10:00	05/07/25 15:38	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/05/25 10:00	05/07/25 15:38	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-453549/1-A
Matrix: Water
Analysis Batch: 454092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/05/25 10:00	05/07/25 15:38	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/05/25 10:00	05/07/25 15:38	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/05/25 10:00	05/07/25 15:38	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/05/25 10:00	05/07/25 15:38	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/05/25 10:00	05/07/25 15:38	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/05/25 10:00	05/07/25 15:38	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/05/25 10:00	05/07/25 15:38	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/05/25 10:00	05/07/25 15:38	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/05/25 10:00	05/07/25 15:38	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/05/25 10:00	05/07/25 15:38	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/05/25 10:00	05/07/25 15:38	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/05/25 10:00	05/07/25 15:38	1
Iron	<0.100		0.100	0.0500	mg/L		05/05/25 10:00	05/07/25 15:38	1
Manganese	<0.0100		0.0100	0.00360	mg/L		05/05/25 10:00	05/07/25 15:38	1

Lab Sample ID: MB 310-453549/1-A
Matrix: Water
Analysis Batch: 454230

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/05/25 10:00	05/08/25 16:24	1

Lab Sample ID: LCS 310-453549/2-A
Matrix: Water
Analysis Batch: 454092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.2102		mg/L		105	80 - 120
Barium	0.100	0.09936		mg/L		99	80 - 120
Beryllium	0.100	0.09151		mg/L		92	80 - 120
Cadmium	0.100	0.1011		mg/L		101	80 - 120
Chromium	0.100	0.1011		mg/L		101	80 - 120
Cobalt	0.100	0.1030		mg/L		103	80 - 120
Copper	0.200	0.2047		mg/L		102	80 - 120
Lead	0.200	0.2150		mg/L		108	80 - 120
Nickel	0.200	0.1998		mg/L		100	80 - 120
Selenium	0.400	0.3939		mg/L		98	80 - 120
Silver	0.100	0.1137		mg/L		114	80 - 120
Thallium	0.100	0.08820		mg/L		88	80 - 120
Vanadium	0.100	0.09906		mg/L		99	80 - 120
Zinc	0.200	0.1926		mg/L		96	80 - 120
Tin	0.200	0.1929		mg/L		96	80 - 120
Iron	0.200	0.2197		mg/L		110	80 - 120
Manganese	0.100	0.09494		mg/L		95	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 310-453549/2-A
Matrix: Water
Analysis Batch: 454230

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2178		mg/L		109	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-453986/1-A
Matrix: Water
Analysis Batch: 454315

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453986

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/08/25 12:33	05/09/25 12:32	1

Lab Sample ID: LCS 310-453986/2-A
Matrix: Water
Analysis Batch: 454315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001659		mg/L		100	80 - 120

Lab Sample ID: MB 310-454234/1-A
Matrix: Water
Analysis Batch: 454427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/09/25 13:22	05/12/25 11:43	1

Lab Sample ID: LCS 310-454234/2-A
Matrix: Water
Analysis Batch: 454427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001758		mg/L		106	80 - 120

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 310-453687/1-A
Matrix: Water
Analysis Batch: 454060

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0100		0.0100	0.00350	mg/L		05/05/25 09:51	05/07/25 21:07	1

Lab Sample ID: LCS 310-453687/2-A
Matrix: Water
Analysis Batch: 454060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.1883		mg/L		94	90 - 110

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-816808/1
Matrix: Water
Analysis Batch: 816808

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.00		1.00	0.231	mg/L			05/07/25 21:58	1

Lab Sample ID: LCS 500-816808/2
Matrix: Water
Analysis Batch: 816808

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.649		mg/L		92	80 - 120

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 310-453995/15
Matrix: Water
Analysis Batch: 453995

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<1.00		1.00	0.500	mg/L			05/06/25 17:17	1

Lab Sample ID: LCS 310-453995/16
Matrix: Water
Analysis Batch: 453995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	9.99	10.43		mg/L		104	85 - 115

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-453616/1
Matrix: Water
Analysis Batch: 453616

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			05/03/25 08:13	1

Lab Sample ID: LCS 310-453616/2
Matrix: Water
Analysis Batch: 453616

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	93.00		mg/L		93	81 - 116

GC/MS VOA

Analysis Batch: 453394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	8260D	
310-305292-2	MW-18A-07	Total/NA	Water	8260D	
310-305292-3	MW-206A	Total/NA	Water	8260D	
310-305292-4	MW-16A	Total/NA	Water	8260D	
310-305292-5	Trip Blank 1	Total/NA	Water	8260D	
310-305292-6	Trip Blank 2	Total/NA	Water	8260D	
310-305292-7	Trip Blank 3	Total/NA	Water	8260D	
310-305292-8	Trip Blank 4	Total/NA	Water	8260D	
MB 310-453394/6	Method Blank	Total/NA	Water	8260D	
LCS 310-453394/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-453394/8	Lab Control Sample	Total/NA	Water	8260D	
310-305292-2 MS	MW-18A-07	Total/NA	Water	8260D	
310-305292-2 MSD	MW-18A-07	Total/NA	Water	8260D	

Analysis Batch: 453665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-3	MW-206A	Total/NA	Water	8260D	
MB 310-453665/6	Method Blank	Total/NA	Water	8260D	
LCS 310-453665/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-453665/8	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 454146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-2	MW-18A-07	Total/NA	Water	8260D	
310-305292-4	MW-16A	Total/NA	Water	8260D	
MB 310-454146/6	Method Blank	Total/NA	Water	8260D	
LCS 310-454146/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-454146/8	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 453465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	3510C	
310-305292-2	MW-18A-07	Total/NA	Water	3510C	
310-305292-3	MW-206A	Total/NA	Water	3510C	
310-305292-4	MW-16A	Total/NA	Water	3510C	
MB 310-453465/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-453465/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-453465/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 453868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	8270E	453465
310-305292-2	MW-18A-07	Total/NA	Water	8270E	453465
310-305292-3	MW-206A	Total/NA	Water	8270E	453465
310-305292-4	MW-16A	Total/NA	Water	8270E	453465
MB 310-453465/1-A	Method Blank	Total/NA	Water	8270E	453465
LCS 310-453465/2-A	Lab Control Sample	Total/NA	Water	8270E	453465

GC/MS Semi VOA

Analysis Batch: 454078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	8270E	453465
310-305292-2	MW-18A-07	Total/NA	Water	8270E	453465
310-305292-3	MW-206A	Total/NA	Water	8270E	453465
310-305292-4	MW-16A	Total/NA	Water	8270E	453465
MB 310-453465/1-A	Method Blank	Total/NA	Water	8270E	453465
LCS 310-453465/2-A	Lab Control Sample	Total/NA	Water	8270E	453465
LCSD 310-453465/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	453465

Analysis Batch: 454501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 310-453465/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	453465

Analysis Batch: 454593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	8270E	453465
310-305292-2	MW-18A-07	Total/NA	Water	8270E	453465
310-305292-3	MW-206A	Total/NA	Water	8270E	453465
310-305292-4	MW-16A	Total/NA	Water	8270E	453465
MB 310-453465/1-A	Method Blank	Total/NA	Water	8270E	453465
LCS 310-453465/2-A	Lab Control Sample	Total/NA	Water	8270E	453465
LCSD 310-453465/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	453465

Analysis Batch: 454686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	8270E	453465
310-305292-2	MW-18A-07	Total/NA	Water	8270E	453465
310-305292-3	MW-206A	Total/NA	Water	8270E	453465
310-305292-4	MW-16A	Total/NA	Water	8270E	453465
MB 310-453465/1-A	Method Blank	Total/NA	Water	8270E	453465
LCSD 310-453465/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	453465

Analysis Batch: 454747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-453465/2-A	Lab Control Sample	Total/NA	Water	8270E	453465

GC Semi VOA

Leach Batch: 452494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-452494/1-E	Method Blank	Total/NA	Water	1311	

Leach Batch: 452894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-452894/1-E	Method Blank	Total/NA	Water	1311	

Prep Batch: 453384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	3511	
310-305292-2	MW-18A-07	Total/NA	Water	3511	
310-305292-3	MW-206A	Total/NA	Water	3511	
310-305292-4	MW-16A	Total/NA	Water	3511	

GC Semi VOA (Continued)

Prep Batch: 453384 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-452494/1-E	Method Blank	Total/NA	Water	3511	452494
LB 310-452894/1-E	Method Blank	Total/NA	Water	3511	452894
MB 310-453384/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-453384/11-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-453384/30-A	Lab Control Sample	Total/NA	Water	3511	

Analysis Batch: 453479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	8015C	
310-305292-2	MW-18A-07	Total/NA	Water	8015C	
310-305292-3	MW-206A	Total/NA	Water	8015C	
310-305292-4	MW-16A	Total/NA	Water	8015C	
MB 310-453479/4	Method Blank	Total/NA	Water	8015C	
LCS 310-453479/5	Lab Control Sample	Total/NA	Water	8015C	
LCSD 310-453479/6	Lab Control Sample Dup	Total/NA	Water	8015C	

Analysis Batch: 453585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-452494/1-E	Method Blank	Total/NA	Water	8082A	453384
MB 310-453384/1-A	Method Blank	Total/NA	Water	8082A	453384
LCS 310-453384/11-A	Lab Control Sample	Total/NA	Water	8082A	453384

Analysis Batch: 453587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 310-452894/1-E	Method Blank	Total/NA	Water	8081B	453384
MB 310-453384/1-A	Method Blank	Total/NA	Water	8081B	453384
LCS 310-453384/30-A	Lab Control Sample	Total/NA	Water	8081B	453384

Analysis Batch: 453670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	8082A	453384
310-305292-2	MW-18A-07	Total/NA	Water	8082A	453384
310-305292-3	MW-206A	Total/NA	Water	8082A	453384
310-305292-4	MW-16A	Total/NA	Water	8082A	453384

Analysis Batch: 453672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	8081B	453384
310-305292-2	MW-18A-07	Total/NA	Water	8081B	453384
310-305292-3	MW-206A	Total/NA	Water	8081B	453384
310-305292-4	MW-16A	Total/NA	Water	8081B	453384

Prep Batch: 640241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	8151A	
310-305292-2	MW-18A-07	Total/NA	Water	8151A	
310-305292-3	MW-206A	Total/NA	Water	8151A	
310-305292-4	MW-16A	Total/NA	Water	8151A	
MB 410-640241/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-640241/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	
LCS 410-640241/2-A	Lab Control Sample	Total/NA	Water	8151A	

GC Semi VOA (Continued)

Prep Batch: 640241 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 410-640241/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
LCSD 410-640241/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 640492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	8151A	640241
310-305292-2	MW-18A-07	Total/NA	Water	8151A	640241
310-305292-3	MW-206A	Total/NA	Water	8151A	640241
310-305292-4	MW-16A	Total/NA	Water	8151A	640241
MB 410-640241/1-A	Method Blank	Total/NA	Water	8151A	640241
LCS 410-640241/2-A	Lab Control Sample	Total/NA	Water	8151A	640241
LCS 410-640241/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	640241
LCSD 410-640241/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	640241
LCSD 410-640241/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	640241

HPLC/IC

Analysis Batch: 453494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	9056A	
310-305292-2	MW-18A-07	Total/NA	Water	9056A	
310-305292-3	MW-206A	Total/NA	Water	9056A	
310-305292-4	MW-16A	Total/NA	Water	9056A	
MB 310-453494/3	Method Blank	Total/NA	Water	9056A	
LCS 310-453494/4	Lab Control Sample	Total/NA	Water	9056A	

Metals

Prep Batch: 453421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-3	MW-206A	Total/NA	Water	3005A	
MB 310-453421/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-453421/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 453423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	3005A	
MB 310-453423/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-453423/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 453426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-2	MW-18A-07	Total/NA	Water	3005A	
MB 310-453426/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-453426/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 453549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-4	MW-16A	Total/NA	Water	3005A	
MB 310-453549/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-453549/2-A	Lab Control Sample	Total/NA	Water	3005A	

Metals

Analysis Batch: 453657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-2	MW-18A-07	Total/NA	Water	6020B	453426
MB 310-453426/1-A	Method Blank	Total/NA	Water	6020B	453426
LCS 310-453426/2-A	Lab Control Sample	Total/NA	Water	6020B	453426

Analysis Batch: 453796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	6020B	453423
310-305292-2	MW-18A-07	Total/NA	Water	6020B	453426
MB 310-453423/1-A	Method Blank	Total/NA	Water	6020B	453423
MB 310-453426/1-A	Method Blank	Total/NA	Water	6020B	453426
LCS 310-453423/2-A	Lab Control Sample	Total/NA	Water	6020B	453423
LCS 310-453426/2-A	Lab Control Sample	Total/NA	Water	6020B	453426

Prep Batch: 453986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	7470A	
310-305292-2	MW-18A-07	Total/NA	Water	7470A	
310-305292-3	MW-206A	Total/NA	Water	7470A	
MB 310-453986/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-453986/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 454092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-4	MW-16A	Total/NA	Water	6020B	453549
MB 310-453549/1-A	Method Blank	Total/NA	Water	6020B	453549
LCS 310-453549/2-A	Lab Control Sample	Total/NA	Water	6020B	453549

Analysis Batch: 454230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-4	MW-16A	Total/NA	Water	6020B	453549
MB 310-453549/1-A	Method Blank	Total/NA	Water	6020B	453549
LCS 310-453549/2-A	Lab Control Sample	Total/NA	Water	6020B	453549

Prep Batch: 454234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-4	MW-16A	Total/NA	Water	7470A	
MB 310-454234/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-454234/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 454315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	7470A	453986
310-305292-2	MW-18A-07	Total/NA	Water	7470A	453986
310-305292-3	MW-206A	Total/NA	Water	7470A	453986
MB 310-453986/1-A	Method Blank	Total/NA	Water	7470A	453986
LCS 310-453986/2-A	Lab Control Sample	Total/NA	Water	7470A	453986

Analysis Batch: 454358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-3	MW-206A	Total/NA	Water	6020B	453421
MB 310-453421/1-A	Method Blank	Total/NA	Water	6020B	453421

Metals (Continued)

Analysis Batch: 454358 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-453421/2-A	Lab Control Sample	Total/NA	Water	6020B	453421

Analysis Batch: 454361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-3	MW-206A	Total/NA	Water	6020B	453421
MB 310-453421/1-A	Method Blank	Total/NA	Water	6020B	453421
LCS 310-453421/2-A	Lab Control Sample	Total/NA	Water	6020B	453421

Analysis Batch: 454427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-4	MW-16A	Total/NA	Water	7470A	454234
MB 310-454234/1-A	Method Blank	Total/NA	Water	7470A	454234
LCS 310-454234/2-A	Lab Control Sample	Total/NA	Water	7470A	454234

General Chemistry

Analysis Batch: 453616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	I-3765-85	
310-305292-2	MW-18A-07	Total/NA	Water	I-3765-85	
310-305292-3	MW-206A	Total/NA	Water	I-3765-85	
310-305292-4	MW-16A	Total/NA	Water	I-3765-85	
MB 310-453616/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-453616/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Prep Batch: 453687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	9012B	
310-305292-2	MW-18A-07	Total/NA	Water	9012B	
310-305292-3	MW-206A	Total/NA	Water	9012B	
310-305292-4	MW-16A	Total/NA	Water	9012B	
MB 310-453687/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-453687/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 453995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	9060A	
310-305292-2	MW-18A-07	Total/NA	Water	9060A	
310-305292-3	MW-206A	Total/NA	Water	9060A	
310-305292-4	MW-16A	Total/NA	Water	9060A	
MB 310-453995/15	Method Blank	Total/NA	Water	9060A	
LCS 310-453995/16	Lab Control Sample	Total/NA	Water	9060A	

Analysis Batch: 454060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	9012B	453687
310-305292-2	MW-18A-07	Total/NA	Water	9012B	453687
310-305292-3	MW-206A	Total/NA	Water	9012B	453687
310-305292-4	MW-16A	Total/NA	Water	9012B	453687
MB 310-453687/1-A	Method Blank	Total/NA	Water	9012B	453687
LCS 310-453687/2-A	Lab Control Sample	Total/NA	Water	9012B	453687

QC Association Summary

Client: HDR Inc
Project/Site: Iowa City Landfill Spring 2025

Job ID: 310-305292-1

General Chemistry

Analysis Batch: 816808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305292-1	MW-11B	Total/NA	Water	9034	
310-305292-2	MW-18A-07	Total/NA	Water	9034	
310-305292-3	MW-206A	Total/NA	Water	9034	
310-305292-4	MW-16A	Total/NA	Water	9034	
MB 500-816808/1	Method Blank	Total/NA	Water	9034	
LCS 500-816808/2	Lab Control Sample	Total/NA	Water	9034	

Lab Chronicle

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-11B
Lab Sample ID: 310-305292-1
Date Collected: 04/29/25 08:26
Matrix: Water
Date Received: 04/30/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453394	WSE8	EET CF	05/02/25 05:57
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	454078	V7YZ	EET CF	05/08/25 11:40
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	454593	V7YZ	EET CF	05/14/25 07:23
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	454686	V7YZ	EET CF	05/14/25 13:53
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	453868	V7YZ	EET CF	05/06/25 15:37
Total/NA	Analysis	8015C		1	453479	BW2O	EET CF	05/02/25 18:23
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:27
Total/NA	Analysis	8081B		1	453672	BW2O	EET CF	05/05/25 13:28
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:27
Total/NA	Analysis	8082A		1	453670	BW2O	EET CF	05/05/25 13:28
Total/NA	Prep	8151A			640241	QJZ6	ELLE	05/06/25 15:04
Total/NA	Analysis	8151A		1	640492	UAMZ	ELLE	05/07/25 09:38
Total/NA	Analysis	9056A		1	453494	QTZ5	EET CF	04/30/25 20:15
Total/NA	Prep	3005A			453423	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453796	NFT2	EET CF	05/05/25 15:39
Total/NA	Prep	7470A			453986	F5MW	EET CF	05/08/25 12:33
Total/NA	Analysis	7470A		1	454315	F5MW	EET CF	05/09/25 13:25
Total/NA	Prep	9012B			453687	HE7K	EET CF	05/05/25 09:51
Total/NA	Analysis	9012B		1	454060	ZJX4	EET CF	05/07/25 21:15
Total/NA	Analysis	9034		1	816808	CLB	EET CHI	05/07/25 22:05 - 05/07/25 22:09 [1]
Total/NA	Analysis	9060A		1	453995	HE7K	EET CF	05/06/25 21:29
Total/NA	Analysis	I-3765-85		1	453616	XJ7V	EET CF	05/03/25 08:13

Client Sample ID: MW-18A-07
Lab Sample ID: 310-305292-2
Date Collected: 04/29/25 09:25
Matrix: Water
Date Received: 04/30/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453394	WSE8	EET CF	05/02/25 06:20
Total/NA	Analysis	8260D		1	454146	WSE8	EET CF	05/08/25 19:52
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	454078	V7YZ	EET CF	05/08/25 12:06
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	454593	V7YZ	EET CF	05/14/25 07:49
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	454686	V7YZ	EET CF	05/14/25 14:12
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	453868	V7YZ	EET CF	05/06/25 16:08
Total/NA	Analysis	8015C		1	453479	BW2O	EET CF	05/02/25 18:43

Eurofins Cedar Falls

5/15/2025

Lab Chronicle

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-18A-07
Lab Sample ID: 310-305292-2
Date Collected: 04/29/25 09:25
Matrix: Water
Date Received: 04/30/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:36
Total/NA	Analysis	8081B		1	453672	BW2O	EET CF	05/05/25 13:41
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:36
Total/NA	Analysis	8082A		1	453670	BW2O	EET CF	05/05/25 13:41
Total/NA	Prep	8151A			640241	QJZ6	ELLE	05/06/25 15:04
Total/NA	Analysis	8151A		1	640492	UAMZ	ELLE	05/07/25 10:14
Total/NA	Analysis	9056A		1	453494	QTZ5	EET CF	04/30/25 20:28
Total/NA	Prep	3005A			453426	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453657	NFT2	EET CF	05/02/25 18:37
Total/NA	Prep	3005A			453426	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	453796	NFT2	EET CF	05/05/25 13:56
Total/NA	Prep	7470A			453986	F5MW	EET CF	05/08/25 12:33
Total/NA	Analysis	7470A		1	454315	F5MW	EET CF	05/09/25 13:32
Total/NA	Prep	9012B			453687	HE7K	EET CF	05/05/25 09:51
Total/NA	Analysis	9012B		1	454060	ZJX4	EET CF	05/07/25 21:16
Total/NA	Analysis	9034		1	816808	CLB	EET CHI	05/07/25 22:09 - 05/07/25 22:12 [1]
Total/NA	Analysis	9060A		1	453995	HE7K	EET CF	05/06/25 22:05
Total/NA	Analysis	I-3765-85		1	453616	XJ7V	EET CF	05/03/25 08:13

Client Sample ID: MW-206A
Lab Sample ID: 310-305292-3
Date Collected: 04/29/25 10:41
Matrix: Water
Date Received: 04/30/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453394	WSE8	EET CF	05/02/25 06:43
Total/NA	Analysis	8260D		1	453665	WSE8	EET CF	05/06/25 12:10
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	454078	V7YZ	EET CF	05/08/25 12:32
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	454593	V7YZ	EET CF	05/14/25 08:16
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	454686	V7YZ	EET CF	05/14/25 14:32
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	453868	V7YZ	EET CF	05/06/25 16:39
Total/NA	Analysis	8015C		1	453479	BW2O	EET CF	05/02/25 19:05
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:36
Total/NA	Analysis	8081B		1	453672	BW2O	EET CF	05/05/25 13:54
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:36
Total/NA	Analysis	8082A		1	453670	BW2O	EET CF	05/05/25 13:54
Total/NA	Prep	8151A			640241	QJZ6	ELLE	05/06/25 15:04
Total/NA	Analysis	8151A		1	640492	UAMZ	ELLE	05/07/25 10:50
Total/NA	Analysis	9056A		1	453494	QTZ5	EET CF	04/30/25 20:41
Total/NA	Prep	3005A			453421	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	454358	ZRI4	EET CF	05/09/25 15:49

Lab Chronicle

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-206A
Lab Sample ID: 310-305292-3
Date Collected: 04/29/25 10:41
Matrix: Water
Date Received: 04/30/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			453421	QTZ5	EET CF	05/02/25 09:00
Total/NA	Analysis	6020B		1	454361	ZRI4	EET CF	05/10/25 16:14
Total/NA	Prep	7470A			453986	F5MW	EET CF	05/08/25 12:33
Total/NA	Analysis	7470A		1	454315	F5MW	EET CF	05/09/25 13:34
Total/NA	Prep	9012B			453687	HE7K	EET CF	05/05/25 09:51
Total/NA	Analysis	9012B		1	454060	ZJX4	EET CF	05/07/25 21:12
Total/NA	Analysis	9034		1	816808	CLB	EET CHI	05/07/25 22:12 - 05/07/25 22:16 [1]
Total/NA	Analysis	9060A		1	453995	HE7K	EET CF	05/06/25 22:41
Total/NA	Analysis	I-3765-85		1	453616	XJ7V	EET CF	05/03/25 08:13

Client Sample ID: MW-16A
Lab Sample ID: 310-305292-4
Date Collected: 04/29/25 13:05
Matrix: Water
Date Received: 04/30/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453394	WSE8	EET CF	05/02/25 07:05
Total/NA	Analysis	8260D		1	454146	WSE8	EET CF	05/08/25 20:14
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	454078	V7YZ	EET CF	05/08/25 12:59
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	454593	V7YZ	EET CF	05/14/25 08:42
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	454686	V7YZ	EET CF	05/14/25 14:51
Total/NA	Prep	3510C			453465	J5BR	EET CF	05/02/25 07:08
Total/NA	Analysis	8270E		1	453868	V7YZ	EET CF	05/06/25 17:10
Total/NA	Analysis	8015C		1	453479	BW2O	EET CF	05/02/25 19:25
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:36
Total/NA	Analysis	8081B		1	453672	BW2O	EET CF	05/05/25 14:07
Total/NA	Prep	3511			453384	BW2O	EET CF	05/01/25 12:36
Total/NA	Analysis	8082A		1	453670	BW2O	EET CF	05/05/25 14:07
Total/NA	Prep	8151A			640241	QJZ6	ELLE	05/06/25 15:04
Total/NA	Analysis	8151A		1	640492	UAMZ	ELLE	05/07/25 11:25
Total/NA	Analysis	9056A		1	453494	QTZ5	EET CF	04/30/25 20:54
Total/NA	Prep	3005A			453549	QTZ5	EET CF	05/05/25 10:00
Total/NA	Analysis	6020B		1	454092	NFT2	EET CF	05/07/25 16:06
Total/NA	Prep	3005A			453549	QTZ5	EET CF	05/05/25 10:00
Total/NA	Analysis	6020B		1	454230	NFT2	EET CF	05/08/25 16:47
Total/NA	Prep	7470A			454234	F5MW	EET CF	05/09/25 13:22
Total/NA	Analysis	7470A		1	454427	F5MW	EET CF	05/12/25 12:04
Total/NA	Prep	9012B			453687	HE7K	EET CF	05/05/25 09:51
Total/NA	Analysis	9012B		1	454060	ZJX4	EET CF	05/07/25 21:13
Total/NA	Analysis	9034		1	816808	CLB	EET CHI	05/07/25 22:16 - 05/07/25 22:20 [1]
Total/NA	Analysis	9060A		1	453995	HE7K	EET CF	05/07/25 00:30

Lab Chronicle

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-16A
Lab Sample ID: 310-305292-4
Date Collected: 04/29/25 13:05
Matrix: Water
Date Received: 04/30/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	I-3765-85		1	453616	XJ7V	EET CF	05/03/25 08:13

Client Sample ID: Trip Blank 1
Lab Sample ID: 310-305292-5
Date Collected: 04/29/25 00:00
Matrix: Water
Date Received: 04/30/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453394	WSE8	EET CF	05/02/25 03:42

Client Sample ID: Trip Blank 2
Lab Sample ID: 310-305292-6
Date Collected: 04/29/25 00:00
Matrix: Water
Date Received: 04/30/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453394	WSE8	EET CF	05/02/25 04:05

Client Sample ID: Trip Blank 3
Lab Sample ID: 310-305292-7
Date Collected: 04/29/25 00:00
Matrix: Water
Date Received: 04/30/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453394	WSE8	EET CF	05/02/25 04:27

Client Sample ID: Trip Blank 4
Lab Sample ID: 310-305292-8
Date Collected: 04/29/25 00:00
Matrix: Water
Date Received: 04/30/25 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453394	WSE8	EET CF	05/02/25 04:50

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,2,4-Trichlorobenzene
8260D		Water	Allyl chloride
8260D		Water	Ethyl methacrylate

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	05-12-25
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	05-07-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	05-11-25
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	05-12-25
Washington	State	C457	05-12-25
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8015C	Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
8151A	Herbicides (GC)	SW846	ELLE
9056A	Anions, Ion Chromatography	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9012B	Cyanide, Total andor Amenable	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
9060A	Organic Carbon, Total (TOC)	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	ELLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401
EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

eurofins | Environment Testing America

310-305292 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY Omaha STATE NE Project:

Receipt Information

Date/Time Received: DATE 4.30.25 TIME 1500 Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID.

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 1 of 4

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

MW-11B

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AH Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL 500 2A	
Uncorrected Temp (°C):	5.1	
Corrected Temp (°C):	5.1	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY Omaha STATE NE Project:

Receipt Information

Date/Time Received: DATE 4.30.25 TIME 1500 Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID.

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 2 of 4

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

MW-18A

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AH Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used.	PL 500 ZA	
Uncorrected Temp (°C):	3.7	
Corrected Temp (°C):	3.7	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY Omaha STATE NE Project:

Receipt Information

Date/Time Received: DATE 4.30.25 TIME 1500 Received By: PH

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 3 of 4

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

MW-206A

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: AH Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL 500 2A	
Uncorrected Temp (°C):	5.0	
Corrected Temp (°C):	5.0	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY Omaha STATE NE Project:

Receipt Information

Date/Time Received: DATE 4.30.25 TIME 1500 Received By: PH

Delivery Type. ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID.

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 4 of 4

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

MW-16A

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AH Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	PL 500 2A	
Uncorrected Temp (°C):	4.4	
Corrected Temp (°C):	4.4	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

Client Information	Sampler: Joel Fuhrmeister	Lab PM: Calhoun, Conner M	Carrier Tracking No(s):	COC No: 310-105392-28018.1
Client Contact: Richard Wilson	Phone: 319-936-5194	E-Mail: Conner Calhoun@et.eurofinsus com	State of Origin:	Page: Page of
Company: HDR Inc	PWSID:			Job #:
Address: 1917 S 67th Street	Due Date Requested:			
City: Omaha	TAT Requested (days):			
State, Zip: NE, 68106	Compliance Project: ∆ Yes ∆ No			
Phone: 402-392-6714(Tel)	PO #:			
Email: richard.wilson2@hdrinc.com	WO #:			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL
N None
O HNO3
P NaOH
CB ZnAcetate/NaOH
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil, Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix 1	Appendix 2	TSS	Metals List- As, Ba Co, Cu, Pb, Ni	App 1 VOCs Only	Sulfide	Natural Attenuation- Nitrate sulfate TOC Fe Mn	Dichlorodifluoromethane- 8260D	Bis(2-ethylhexyl) phthalate 8270E	Arsenic	Cobalt	Benzene only	Tetrachloroethene trichloroethene vinyl chloride-8260D	Total Number of containers	Special Instructions/Note
MW-11B	4-29-25	8:26	G	Water				X	X				X								Natural Attenuation = NITRATE, Sulfate, TOC, 6020- Fe, Mn
MW-18A-07	4-29-25	9:25	G	Water				X	X				X								
MW-206A	4-29-25	10:41	G	Water				X	X				X								
MW-16A	4-29-25	1305	G	Water				X	X				X								
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	

Possible Hazard Identification
Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client Disposal By Lab Archive For Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Joel Fuhrmeister	4-30-25 1-50			4/30/25 1500	Eurofins
	Relinquished by	Date/Time:	Company	Received by: PH	Date/Time: 5/1-2025 1500	Company
	Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.	Cooler Temperature(s) oC and Other Remarks:

Ver: 05/06/2024

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-82565.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State - Iowa; State Program - Iowa		Job #: 310-305292-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/13/2025			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_AP Appendix II Herbicides	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-11B (310-305292-1)	4/29/25	08:26 Central	G	Water			X	2	
MW-18A-07 (310-305292-2)	4/29/25	09:25 Central	G	Water			X	2	
MW-206A (310-305292-3)	4/29/25	10:41 Central	G	Water			X	2	
MW-16A (310-305292-4)	4/29/25	13:05 Central	G	Water			X	2	

Analysis Requested

Preservation Codes: -

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5/25 1145				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/27/25 10:00	Company ECET

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 25.0-C4.9 25.5-C5.4

Ver: 10/10/2024

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-82578 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et eurofinsus com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State - Iowa, State Program - Iowa		Job #: 310-305292-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 5/13/2025			
City: Tinley Park	TAT Requested (days): N/A			
State Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

Analysis Requested

310-305292 COC

Preservation Codes
-

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code.						
MW-11B (310-305292-1)	4/29/25	08 26 Central	G	Water			X	1	
MW-18A-07 (310-305292-2)	4/29/25	09 25 Central	G	Water			X	1	
MW-206A (310-305292-3)	4/29/25	10 41 Central	G	Water			X	1	
MW-16A (310-305292-4)	4/29/25	13 05 Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment.

Relinquished by:	Date/Time: 5/15 1315	Company	Received by: Stephanie Hernandez	Date/Time: 5/16/25 1030	Company: EETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305292-1
SDG Number:

Login Number: 305292
List Number: 1
Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305292-1
SDG Number:

Login Number: 305292
List Number: 3
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago
List Creation: 05/07/25 06:58 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	18.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305292-1
SDG Number:

Login Number: 305292
List Number: 2
Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/02/25 02:48 PM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Quantitation Limit Exceptions Summary

Client: HDR Inc
Job ID: 310-305292-1
Project/Site: Iowa City Landfill Spring 2025

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260D	1,2-Dibromo-3-Chloropropane	Water	Total/NA	ug/L	1.20	5
8260D	1,2-Dibromoethane (EDB)	Water	Total/NA	ug/L	0.340	1

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ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Wilson
HDR Inc
1917 S 67th Street
Omaha, Nebraska 68106

Generated 5/13/2025 10:09:03 AM

JOB DESCRIPTION

Iowa City Landfill Spring 2025

JOB NUMBER

310-305515-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Generated
5/13/2025 10:09:03 AM

Authorized for release by
Conner Calhoun, Client Service Manager
Conner.Calhoun@et.eurofinsus.com
(319)277-2401

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 5
Detection Summary 6
Client Sample Results 8
Definitions 29
Surrogate Summary 30
QC Sample Results 31
QC Association 42
Chronicle 45
Certification Summary 48
Method Summary 49
Chain of Custody 50
Receipt Checklists 54
Detection Limit Exceptions Summary 56

Job Narrative
310-305515-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/2/2025 2:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.4°C and 4.4°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 310-453821 recovered outside of the control limits for Bromomethane (-20.7%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is impacted: (CCV 310-453821/4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-305515-1	WT-1	Water	04/30/25 08:20	05/02/25 14:15
310-305515-2	WT-2	Water	04/30/25 08:39	05/02/25 14:15
310-305515-3	WT-3	Water	04/30/25 08:55	05/02/25 14:15
310-305515-4	WT-4	Water	04/30/25 09:10	05/02/25 14:15
310-305515-5	WT-OF	Water	04/30/25 08:15	05/02/25 14:15
310-305515-6	MW-200A	Water	04/30/25 09:42	05/02/25 14:15
310-305515-7	MW-11D	Water	04/30/25 10:11	05/02/25 14:15
310-305515-8	MW-18AR	Water	04/30/25 10:40	05/02/25 14:15
310-305515-9	MW-39B	Water	04/30/25 12:27	05/02/25 14:15
310-305515-10	MW-310A	Water	04/30/25 13:02	05/02/25 14:15
310-305515-11	MW-312A	Water	04/30/25 13:39	05/02/25 14:15

Detection Summary

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: WT-1 — Lab Sample ID: 310-305515-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00426		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.331		0.00200	0.000660	mg/L	1		6020B	Total/NA
Beryllium	0.000692	J	0.00100	0.000330	mg/L	1		6020B	Total/NA
Cadmium	0.000178	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Chromium	0.0134		0.00500	0.00180	mg/L	1		6020B	Total/NA
Cobalt	0.00990		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.0114		0.00500	0.00320	mg/L	1		6020B	Total/NA
Lead	0.00711		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.0140		0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.0220		0.00500	0.00170	mg/L	1		6020B	Total/NA
Zinc	0.0304		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	2110		60.0	42.0	mg/L	1		I-3765-85	Total/NA

Client Sample ID: WT-2 — Lab Sample ID: 310-305515-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00960		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.282		0.00200	0.000660	mg/L	1		6020B	Total/NA
Beryllium	0.000930	J	0.00100	0.000330	mg/L	1		6020B	Total/NA
Cadmium	0.000356		0.000200	0.000100	mg/L	1		6020B	Total/NA
Chromium	0.0148		0.00500	0.00180	mg/L	1		6020B	Total/NA
Cobalt	0.0133		0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.0179		0.00500	0.00320	mg/L	1		6020B	Total/NA
Lead	0.0114		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.0209		0.00500	0.00230	mg/L	1		6020B	Total/NA
Selenium	0.00205	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Vanadium	0.0258		0.00500	0.00170	mg/L	1		6020B	Total/NA
Zinc	0.0413		0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	1170		60.0	42.0	mg/L	1		I-3765-85	Total/NA

Client Sample ID: WT-3 — Lab Sample ID: 310-305515-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0120		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.341		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00104		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	70.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: WT-4 — Lab Sample ID: 310-305515-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0782		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000990		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00475	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	3.25		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: WT-OF — Lab Sample ID: 310-305515-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000797	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.119		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000324	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00304	J	0.00500	0.00230	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: WT-OF (Continued) — Lab Sample ID: 310-305515-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	2.13		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-200A — Lab Sample ID: 310-305515-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.846	J	3.00	0.250	ug/L	1		8260D	Total/NA
Barium	0.910		0.00200	0.000660	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.13		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-11D — Lab Sample ID: 310-305515-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00178	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Total Suspended Solids	3.63		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-18AR — Lab Sample ID: 310-305515-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.304	J	1.00	0.210	ug/L	1		8260D	Total/NA
Dichlorodifluoromethane	4.01		3.00	0.250	ug/L	1		8260D	Total/NA
Tetrachloroethene	4.22		1.00	0.480	ug/L	1		8260D	Total/NA
Trichloroethene	0.807	J	1.00	0.430	ug/L	1		8260D	Total/NA
Trichlorofluoromethane	1.43	J	4.00	0.380	ug/L	1		8260D	Total/NA
Barium	0.852		0.00200	0.000660	mg/L	1		6020B	Total/NA

Client Sample ID: MW-39B — Lab Sample ID: 310-305515-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.162		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000379	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	3.63		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-310A — Lab Sample ID: 310-305515-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0995		0.00200	0.000660	mg/L	1		6020B	Total/NA

Client Sample ID: MW-312A — Lab Sample ID: 310-305515-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.157		0.00200	0.000660	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WT-1
Lab Sample ID: 310-305515-1
Date Collected: 04/30/25 08:20
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/07/25 09:35	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/07/25 09:35	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/07/25 09:35	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/07/25 09:35	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/07/25 09:35	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/07/25 09:35	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/07/25 09:35	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/07/25 09:35	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/07/25 09:35	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/07/25 09:35	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/07/25 09:35	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/07/25 09:35	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/07/25 09:35	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/07/25 09:35	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/07/25 09:35	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/07/25 09:35	1
Acetone	<10.0		10.0	3.10	ug/L			05/07/25 09:35	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/07/25 09:35	1
Benzene	<0.500		0.500	0.220	ug/L			05/07/25 09:35	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/07/25 09:35	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/07/25 09:35	1
Bromoform	<5.00		5.00	0.780	ug/L			05/07/25 09:35	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/07/25 09:35	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/07/25 09:35	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/07/25 09:35	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/07/25 09:35	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/07/25 09:35	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/07/25 09:35	1
Chloroform	<3.00		3.00	1.30	ug/L			05/07/25 09:35	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/07/25 09:35	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/07/25 09:35	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/07/25 09:35	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/07/25 09:35	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/07/25 09:35	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/07/25 09:35	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/07/25 09:35	1
Styrene	<1.00		1.00	0.370	ug/L			05/07/25 09:35	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/07/25 09:35	1
Toluene	<1.00		1.00	0.430	ug/L			05/07/25 09:35	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/07/25 09:35	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/07/25 09:35	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/07/25 09:35	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/07/25 09:35	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/07/25 09:35	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/07/25 09:35	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/07/25 09:35	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/07/25 09:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*05/07/25 09:35*	*1*

Client Sample ID: WT-1
Lab Sample ID: 310-305515-1
Date Collected: 04/30/25 08:20
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/07/25 09:35*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/07/25 09:35*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/08/25 09:30	05/11/25 20:21	1
Arsenic	**0.00426**		0.00200	0.000530	mg/L		05/08/25 09:30	05/11/25 20:21	1
Barium	**0.331**		0.00200	0.000660	mg/L		05/08/25 09:30	05/11/25 20:21	1
Beryllium	**0.000692**	**J**	0.00100	0.000330	mg/L		05/08/25 09:30	05/11/25 20:21	1
Cadmium	**0.000178**	**J**	0.000200	0.000100	mg/L		05/08/25 09:30	05/11/25 20:21	1
Chromium	**0.0134**		0.00500	0.00180	mg/L		05/08/25 09:30	05/11/25 20:21	1
Cobalt	**0.00990**		0.000500	0.000170	mg/L		05/08/25 09:30	05/11/25 20:21	1
Copper	**0.0114**		0.00500	0.00320	mg/L		05/08/25 09:30	05/11/25 20:21	1
Lead	**0.00711**		0.000500	0.000330	mg/L		05/08/25 09:30	05/11/25 20:21	1
Nickel	**0.0140**		0.00500	0.00230	mg/L		05/08/25 09:30	05/11/25 20:21	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/08/25 09:30	05/11/25 20:21	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/08/25 09:30	05/11/25 20:21	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/08/25 09:30	05/11/25 20:21	1
Vanadium	**0.0220**		0.00500	0.00170	mg/L		05/08/25 09:30	05/11/25 20:21	1
Zinc	**0.0304**		0.0200	0.0130	mg/L		05/08/25 09:30	05/11/25 20:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2110**		60.0	42.0	mg/L			05/05/25 14:37	1

Client Sample ID: WT-2
Lab Sample ID: 310-305515-2
Date Collected: 04/30/25 08:39
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/07/25 09:58	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/07/25 09:58	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/07/25 09:58	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/07/25 09:58	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/07/25 09:58	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/07/25 09:58	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/07/25 09:58	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/07/25 09:58	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/07/25 09:58	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/07/25 09:58	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/07/25 09:58	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/07/25 09:58	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/07/25 09:58	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/07/25 09:58	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/07/25 09:58	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/07/25 09:58	1
Acetone	<10.0		10.0	3.10	ug/L			05/07/25 09:58	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/07/25 09:58	1
Benzene	<0.500		0.500	0.220	ug/L			05/07/25 09:58	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/07/25 09:58	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/07/25 09:58	1
Bromoform	<5.00		5.00	0.780	ug/L			05/07/25 09:58	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/07/25 09:58	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/07/25 09:58	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/07/25 09:58	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/07/25 09:58	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/07/25 09:58	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/07/25 09:58	1
Chloroform	<3.00		3.00	1.30	ug/L			05/07/25 09:58	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/07/25 09:58	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/07/25 09:58	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/07/25 09:58	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/07/25 09:58	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/07/25 09:58	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/07/25 09:58	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/07/25 09:58	1
Styrene	<1.00		1.00	0.370	ug/L			05/07/25 09:58	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/07/25 09:58	1
Toluene	<1.00		1.00	0.430	ug/L			05/07/25 09:58	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/07/25 09:58	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/07/25 09:58	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/07/25 09:58	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/07/25 09:58	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/07/25 09:58	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/07/25 09:58	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/07/25 09:58	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/07/25 09:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*116*		*76 - 130*		*05/07/25 09:58*	*1*

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: WT-2
Lab Sample ID: 310-305515-2
Date Collected: 04/30/25 08:39
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/07/25 09:58*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/07/25 09:58*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/08/25 09:30	05/11/25 20:30	1
Arsenic	**0.00960**		0.00200	0.000530	mg/L		05/08/25 09:30	05/11/25 20:30	1
Barium	**0.282**		0.00200	0.000660	mg/L		05/08/25 09:30	05/11/25 20:30	1
Beryllium	**0.000930**	**J**	0.00100	0.000330	mg/L		05/08/25 09:30	05/11/25 20:30	1
Cadmium	**0.000356**		0.000200	0.000100	mg/L		05/08/25 09:30	05/11/25 20:30	1
Chromium	**0.0148**		0.00500	0.00180	mg/L		05/08/25 09:30	05/11/25 20:30	1
Cobalt	**0.0133**		0.000500	0.000170	mg/L		05/08/25 09:30	05/11/25 20:30	1
Copper	**0.0179**		0.00500	0.00320	mg/L		05/08/25 09:30	05/11/25 20:30	1
Lead	**0.0114**		0.000500	0.000330	mg/L		05/08/25 09:30	05/11/25 20:30	1
Nickel	**0.0209**		0.00500	0.00230	mg/L		05/08/25 09:30	05/11/25 20:30	1
Selenium	**0.00205**	**J**	0.00500	0.00140	mg/L		05/08/25 09:30	05/11/25 20:30	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/08/25 09:30	05/11/25 20:30	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/08/25 09:30	05/11/25 20:30	1
Vanadium	**0.0258**		0.00500	0.00170	mg/L		05/08/25 09:30	05/11/25 20:30	1
Zinc	**0.0413**		0.0200	0.0130	mg/L		05/08/25 09:30	05/11/25 20:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**1170**		60.0	42.0	mg/L			05/05/25 14:37	1

Client Sample ID: WT-3
Lab Sample ID: 310-305515-3
Date Collected: 04/30/25 08:55
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/07/25 10:20	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/07/25 10:20	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/07/25 10:20	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/07/25 10:20	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/07/25 10:20	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/07/25 10:20	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/07/25 10:20	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/07/25 10:20	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/07/25 10:20	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/07/25 10:20	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/07/25 10:20	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/07/25 10:20	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/07/25 10:20	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/07/25 10:20	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/07/25 10:20	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/07/25 10:20	1
Acetone	<10.0		10.0	3.10	ug/L			05/07/25 10:20	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/07/25 10:20	1
Benzene	<0.500		0.500	0.220	ug/L			05/07/25 10:20	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/07/25 10:20	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/07/25 10:20	1
Bromoform	<5.00		5.00	0.780	ug/L			05/07/25 10:20	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/07/25 10:20	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/07/25 10:20	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/07/25 10:20	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/07/25 10:20	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/07/25 10:20	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/07/25 10:20	1
Chloroform	<3.00		3.00	1.30	ug/L			05/07/25 10:20	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/07/25 10:20	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/07/25 10:20	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/07/25 10:20	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/07/25 10:20	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/07/25 10:20	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/07/25 10:20	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/07/25 10:20	1
Styrene	<1.00		1.00	0.370	ug/L			05/07/25 10:20	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/07/25 10:20	1
Toluene	<1.00		1.00	0.430	ug/L			05/07/25 10:20	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/07/25 10:20	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/07/25 10:20	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/07/25 10:20	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/07/25 10:20	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/07/25 10:20	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/07/25 10:20	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/07/25 10:20	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/07/25 10:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*05/07/25 10:20*	*1*

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: WT-3
Lab Sample ID: 310-305515-3
Date Collected: 04/30/25 08:55
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/07/25 10:20*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/07/25 10:20*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/07/25 09:00	05/08/25 19:20	1
Arsenic	**0.0120**		0.00200	0.000530	mg/L		05/07/25 09:00	05/08/25 19:20	1
Barium	**0.341**		0.00200	0.000660	mg/L		05/07/25 09:00	05/08/25 19:20	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/07/25 09:00	05/08/25 19:20	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/07/25 09:00	05/08/25 19:20	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/07/25 09:00	05/08/25 19:20	1
Cobalt	**0.00104**		0.000500	0.000170	mg/L		05/07/25 09:00	05/08/25 19:20	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/07/25 09:00	05/08/25 19:20	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/07/25 09:00	05/08/25 19:20	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/07/25 09:00	05/08/25 19:20	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/07/25 09:00	05/08/25 19:20	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/07/25 09:00	05/08/25 19:20	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/07/25 09:00	05/08/25 19:20	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/07/25 09:00	05/08/25 19:20	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/07/25 09:00	05/08/25 19:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**70.0**		15.0	10.5	mg/L			05/05/25 14:37	1

Client Sample ID: WT-4
Lab Sample ID: 310-305515-4
Date Collected: 04/30/25 09:10
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/07/25 10:43	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/07/25 10:43	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/07/25 10:43	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/07/25 10:43	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/07/25 10:43	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/07/25 10:43	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/07/25 10:43	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/07/25 10:43	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/07/25 10:43	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/07/25 10:43	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/07/25 10:43	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/07/25 10:43	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/07/25 10:43	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/07/25 10:43	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/07/25 10:43	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/07/25 10:43	1
Acetone	<10.0		10.0	3.10	ug/L			05/07/25 10:43	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/07/25 10:43	1
Benzene	<0.500		0.500	0.220	ug/L			05/07/25 10:43	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/07/25 10:43	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/07/25 10:43	1
Bromoform	<5.00		5.00	0.780	ug/L			05/07/25 10:43	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/07/25 10:43	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/07/25 10:43	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/07/25 10:43	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/07/25 10:43	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/07/25 10:43	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/07/25 10:43	1
Chloroform	<3.00		3.00	1.30	ug/L			05/07/25 10:43	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/07/25 10:43	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/07/25 10:43	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/07/25 10:43	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/07/25 10:43	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/07/25 10:43	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/07/25 10:43	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/07/25 10:43	1
Styrene	<1.00		1.00	0.370	ug/L			05/07/25 10:43	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/07/25 10:43	1
Toluene	<1.00		1.00	0.430	ug/L			05/07/25 10:43	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/07/25 10:43	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/07/25 10:43	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/07/25 10:43	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/07/25 10:43	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/07/25 10:43	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/07/25 10:43	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/07/25 10:43	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/07/25 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*76 - 130*		*05/07/25 10:43*	*1*

Client Sample ID: WT-4
Lab Sample ID: 310-305515-4
Date Collected: 04/30/25 09:10
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/07/25 10:43*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*05/07/25 10:43*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/08/25 09:30	05/11/25 20:27	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/08/25 09:30	05/11/25 20:27	1
Barium	**0.0782**		0.00200	0.000660	mg/L		05/08/25 09:30	05/11/25 20:27	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/08/25 09:30	05/11/25 20:27	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/08/25 09:30	05/11/25 20:27	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/08/25 09:30	05/11/25 20:27	1
Cobalt	**0.000990**		0.000500	0.000170	mg/L		05/08/25 09:30	05/11/25 20:27	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/08/25 09:30	05/11/25 20:27	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/08/25 09:30	05/11/25 20:27	1
Nickel	**0.00475**	**J**	0.00500	0.00230	mg/L		05/08/25 09:30	05/11/25 20:27	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/08/25 09:30	05/11/25 20:27	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/08/25 09:30	05/11/25 20:27	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/08/25 09:30	05/11/25 20:27	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/08/25 09:30	05/11/25 20:27	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/08/25 09:30	05/11/25 20:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**3.25**		1.88	1.31	mg/L			05/06/25 14:17	1

Client Sample ID: WT-OF
Lab Sample ID: 310-305515-5
Date Collected: 04/30/25 08:15
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/07/25 11:05	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/07/25 11:05	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/07/25 11:05	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/07/25 11:05	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/07/25 11:05	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/07/25 11:05	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/07/25 11:05	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/07/25 11:05	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/07/25 11:05	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/07/25 11:05	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/07/25 11:05	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/07/25 11:05	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/07/25 11:05	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/07/25 11:05	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/07/25 11:05	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/07/25 11:05	1
Acetone	<10.0		10.0	3.10	ug/L			05/07/25 11:05	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/07/25 11:05	1
Benzene	<0.500		0.500	0.220	ug/L			05/07/25 11:05	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/07/25 11:05	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/07/25 11:05	1
Bromoform	<5.00		5.00	0.780	ug/L			05/07/25 11:05	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/07/25 11:05	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/07/25 11:05	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/07/25 11:05	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/07/25 11:05	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/07/25 11:05	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/07/25 11:05	1
Chloroform	<3.00		3.00	1.30	ug/L			05/07/25 11:05	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/07/25 11:05	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/07/25 11:05	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/07/25 11:05	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/07/25 11:05	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/07/25 11:05	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/07/25 11:05	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/07/25 11:05	1
Styrene	<1.00		1.00	0.370	ug/L			05/07/25 11:05	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/07/25 11:05	1
Toluene	<1.00		1.00	0.430	ug/L			05/07/25 11:05	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/07/25 11:05	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/07/25 11:05	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/07/25 11:05	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/07/25 11:05	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/07/25 11:05	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/07/25 11:05	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/07/25 11:05	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/07/25 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*76 - 130*		*05/07/25 11:05*	*1*

Client Sample ID: WT-OF
Lab Sample ID: 310-305515-5
Date Collected: 04/30/25 08:15
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/07/25 11:05*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/07/25 11:05*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/07/25 09:00	05/11/25 21:55	1
Arsenic	**0.000797**	**J**	0.00200	0.000530	mg/L		05/07/25 09:00	05/11/25 21:55	1
Barium	**0.119**		0.00200	0.000660	mg/L		05/07/25 09:00	05/11/25 21:55	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/07/25 09:00	05/11/25 21:55	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/07/25 09:00	05/11/25 21:55	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/07/25 09:00	05/11/25 21:55	1
Cobalt	**0.000324**	**J**	0.000500	0.000170	mg/L		05/07/25 09:00	05/11/25 21:55	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/07/25 09:00	05/11/25 21:55	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/07/25 09:00	05/11/25 21:55	1
Nickel	**0.00304**	**J**	0.00500	0.00230	mg/L		05/07/25 09:00	05/11/25 21:55	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/07/25 09:00	05/11/25 21:55	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/07/25 09:00	05/11/25 21:55	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/07/25 09:00	05/11/25 21:55	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/07/25 09:00	05/11/25 21:55	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/07/25 09:00	05/11/25 21:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.13**		1.88	1.31	mg/L			05/05/25 14:37	1

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-200A
Lab Sample ID: 310-305515-6
Date Collected: 04/30/25 09:42
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/07/25 11:28	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/07/25 11:28	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/07/25 11:28	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/07/25 11:28	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/07/25 11:28	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/07/25 11:28	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/07/25 11:28	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/07/25 11:28	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/07/25 11:28	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/07/25 11:28	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/07/25 11:28	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/07/25 11:28	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/07/25 11:28	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/07/25 11:28	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/07/25 11:28	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/07/25 11:28	1
Acetone	<10.0		10.0	3.10	ug/L			05/07/25 11:28	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/07/25 11:28	1
Benzene	<0.500		0.500	0.220	ug/L			05/07/25 11:28	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/07/25 11:28	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/07/25 11:28	1
Bromoform	<5.00		5.00	0.780	ug/L			05/07/25 11:28	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/07/25 11:28	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/07/25 11:28	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/07/25 11:28	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/07/25 11:28	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/07/25 11:28	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/07/25 11:28	1
Chloroform	<3.00		3.00	1.30	ug/L			05/07/25 11:28	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/07/25 11:28	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/07/25 11:28	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/07/25 11:28	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/07/25 11:28	1
Dichlorodifluoromethane	**0.846**	**J**	3.00	0.250	ug/L			05/07/25 11:28	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/07/25 11:28	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/07/25 11:28	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/07/25 11:28	1
Styrene	<1.00		1.00	0.370	ug/L			05/07/25 11:28	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/07/25 11:28	1
Toluene	<1.00		1.00	0.430	ug/L			05/07/25 11:28	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/07/25 11:28	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/07/25 11:28	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/07/25 11:28	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/07/25 11:28	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/07/25 11:28	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/07/25 11:28	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/07/25 11:28	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/07/25 11:28	1

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-200A
Lab Sample ID: 310-305515-6
Date Collected: 04/30/25 09:42
Matrix: Water
Date Received: 05/02/25 14:15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*05/07/25 11:28*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/07/25 11:28*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*05/07/25 11:28*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/08/25 09:30	05/11/25 20:24	1
Barium	**0.910**		0.00200	0.000660	mg/L		05/08/25 09:30	05/11/25 20:24	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/08/25 09:30	05/11/25 20:24	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/08/25 09:30	05/11/25 20:24	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/08/25 09:30	05/11/25 20:24	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/08/25 09:30	05/11/25 20:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.13**		1.88	1.31	mg/L			05/05/25 14:37	1

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-11D
Lab Sample ID: 310-305515-7
Date Collected: 04/30/25 10:11
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00178	J	0.00200	0.000530	mg/L		05/08/25 09:30	05/08/25 17:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	3.63		1.88	1.31	mg/L			05/06/25 14:17	1

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-18AR
Lab Sample ID: 310-305515-8
Date Collected: 04/30/25 10:40
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/07/25 11:50	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/07/25 11:50	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/07/25 11:50	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/07/25 11:50	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/07/25 11:50	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/07/25 11:50	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/07/25 11:50	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/07/25 11:50	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/07/25 11:50	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/07/25 11:50	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/07/25 11:50	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/07/25 11:50	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/07/25 11:50	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/07/25 11:50	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/07/25 11:50	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/07/25 11:50	1
Acetone	<10.0		10.0	3.10	ug/L			05/07/25 11:50	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/07/25 11:50	1
Benzene	<0.500		0.500	0.220	ug/L			05/07/25 11:50	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/07/25 11:50	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/07/25 11:50	1
Bromoform	<5.00		5.00	0.780	ug/L			05/07/25 11:50	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/07/25 11:50	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/07/25 11:50	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/07/25 11:50	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/07/25 11:50	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/07/25 11:50	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/07/25 11:50	1
Chloroform	<3.00		3.00	1.30	ug/L			05/07/25 11:50	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/07/25 11:50	1
cis-1,2-Dichloroethene	**0.304**	**J**	1.00	0.210	ug/L			05/07/25 11:50	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/07/25 11:50	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/07/25 11:50	1
Dichlorodifluoromethane	**4.01**		3.00	0.250	ug/L			05/07/25 11:50	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/07/25 11:50	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/07/25 11:50	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/07/25 11:50	1
Styrene	<1.00		1.00	0.370	ug/L			05/07/25 11:50	1
Tetrachloroethene	**4.22**		1.00	0.480	ug/L			05/07/25 11:50	1
Toluene	<1.00		1.00	0.430	ug/L			05/07/25 11:50	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/07/25 11:50	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/07/25 11:50	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/07/25 11:50	1
Trichloroethene	**0.807**	**J**	1.00	0.430	ug/L			05/07/25 11:50	1
Trichlorofluoromethane	**1.43**	**J**	4.00	0.380	ug/L			05/07/25 11:50	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/07/25 11:50	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/07/25 11:50	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/07/25 11:50	1

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-18AR
Lab Sample ID: 310-305515-8
Date Collected: 04/30/25 10:40
Matrix: Water
Date Received: 05/02/25 14:15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*76 - 130*		*05/07/25 11:50*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/07/25 11:50*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/07/25 11:50*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/09/25 07:15	05/09/25 13:52	1
Barium	**0.852**		0.00200	0.000660	mg/L		05/09/25 07:15	05/09/25 13:52	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/09/25 07:15	05/09/25 13:52	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/09/25 07:15	05/09/25 13:52	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/09/25 07:15	05/09/25 13:52	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/09/25 07:15	05/09/25 13:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/07/25 22:31	1
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			05/06/25 14:17	1

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-39B
Lab Sample ID: 310-305515-9
Date Collected: 04/30/25 12:27
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/07/25 12:13	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/07/25 12:13	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/07/25 12:13	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/07/25 12:13	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/07/25 12:13	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/07/25 12:13	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/07/25 12:13	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/07/25 12:13	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/07/25 12:13	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/07/25 12:13	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/07/25 12:13	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/07/25 12:13	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/07/25 12:13	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/07/25 12:13	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/07/25 12:13	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/07/25 12:13	1
Acetone	<10.0		10.0	3.10	ug/L			05/07/25 12:13	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/07/25 12:13	1
Benzene	<0.500		0.500	0.220	ug/L			05/07/25 12:13	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/07/25 12:13	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/07/25 12:13	1
Bromoform	<5.00		5.00	0.780	ug/L			05/07/25 12:13	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/07/25 12:13	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/07/25 12:13	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/07/25 12:13	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/07/25 12:13	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/07/25 12:13	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/07/25 12:13	1
Chloroform	<3.00		3.00	1.30	ug/L			05/07/25 12:13	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/07/25 12:13	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/07/25 12:13	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/07/25 12:13	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/07/25 12:13	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/07/25 12:13	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/07/25 12:13	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/07/25 12:13	1
Styrene	<1.00		1.00	0.370	ug/L			05/07/25 12:13	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/07/25 12:13	1
Toluene	<1.00		1.00	0.430	ug/L			05/07/25 12:13	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/07/25 12:13	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/07/25 12:13	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/07/25 12:13	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/07/25 12:13	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/07/25 12:13	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/07/25 12:13	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/07/25 12:13	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/07/25 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*05/07/25 12:13*	*1*

Client Sample ID: MW-39B
Lab Sample ID: 310-305515-9
Date Collected: 04/30/25 12:27
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/07/25 12:13*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/07/25 12:13*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/08/25 09:30	05/10/25 18:10	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/08/25 09:30	05/09/25 18:17	1
Barium	**0.162**		0.00200	0.000660	mg/L		05/08/25 09:30	05/09/25 18:17	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/08/25 09:30	05/09/25 18:17	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/08/25 09:30	05/09/25 18:17	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/08/25 09:30	05/09/25 18:17	1
Cobalt	**0.000379**	**J**	0.000500	0.000170	mg/L		05/08/25 09:30	05/09/25 18:17	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/08/25 09:30	05/09/25 18:17	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/08/25 09:30	05/09/25 18:17	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/08/25 09:30	05/10/25 18:10	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/08/25 09:30	05/09/25 18:17	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/08/25 09:30	05/09/25 18:17	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/08/25 09:30	05/09/25 18:17	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/08/25 09:30	05/09/25 18:17	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/08/25 09:30	05/10/25 18:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**3.63**		1.88	1.31	mg/L			05/06/25 14:17	1

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-310A
Lab Sample ID: 310-305515-10
Date Collected: 04/30/25 13:02
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/07/25 12:35	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/07/25 12:35	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/07/25 12:35	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/07/25 12:35	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/07/25 12:35	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/07/25 12:35	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/07/25 12:35	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/07/25 12:35	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/07/25 12:35	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/07/25 12:35	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/07/25 12:35	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/07/25 12:35	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/07/25 12:35	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/07/25 12:35	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/07/25 12:35	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/07/25 12:35	1
Acetone	<10.0		10.0	3.10	ug/L			05/07/25 12:35	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/07/25 12:35	1
Benzene	<0.500		0.500	0.220	ug/L			05/07/25 12:35	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/07/25 12:35	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/07/25 12:35	1
Bromoform	<5.00		5.00	0.780	ug/L			05/07/25 12:35	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/07/25 12:35	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/07/25 12:35	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/07/25 12:35	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/07/25 12:35	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/07/25 12:35	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/07/25 12:35	1
Chloroform	<3.00		3.00	1.30	ug/L			05/07/25 12:35	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/07/25 12:35	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/07/25 12:35	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/07/25 12:35	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/07/25 12:35	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/07/25 12:35	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/07/25 12:35	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/07/25 12:35	1
Styrene	<1.00		1.00	0.370	ug/L			05/07/25 12:35	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/07/25 12:35	1
Toluene	<1.00		1.00	0.430	ug/L			05/07/25 12:35	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/07/25 12:35	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/07/25 12:35	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/07/25 12:35	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/07/25 12:35	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/07/25 12:35	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/07/25 12:35	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/07/25 12:35	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/07/25 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*05/07/25 12:35*	*1*

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-310A
Lab Sample ID: 310-305515-10
Date Collected: 04/30/25 13:02
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/07/25 12:35*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/07/25 12:35*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/07/25 09:00	05/08/25 18:16	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/07/25 09:00	05/08/25 18:16	1
Barium	**0.0995**		0.00200	0.000660	mg/L		05/07/25 09:00	05/08/25 18:16	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/07/25 09:00	05/08/25 18:16	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/07/25 09:00	05/08/25 18:16	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/07/25 09:00	05/08/25 18:16	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/07/25 09:00	05/08/25 18:16	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/07/25 09:00	05/08/25 18:16	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/07/25 09:00	05/08/25 18:16	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/07/25 09:00	05/08/25 18:16	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/07/25 09:00	05/08/25 18:16	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/07/25 09:00	05/08/25 18:16	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/07/25 09:00	05/08/25 18:16	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/07/25 09:00	05/08/25 18:16	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/07/25 09:00	05/08/25 18:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			05/06/25 14:17	1

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-312A
Lab Sample ID: 310-305515-11
Date Collected: 04/30/25 13:39
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/07/25 12:58	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/07/25 12:58	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/07/25 12:58	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/07/25 12:58	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/07/25 12:58	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/07/25 12:58	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/07/25 12:58	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/07/25 12:58	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/07/25 12:58	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/07/25 12:58	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/07/25 12:58	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/07/25 12:58	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/07/25 12:58	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/07/25 12:58	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/07/25 12:58	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/07/25 12:58	1
Acetone	<10.0		10.0	3.10	ug/L			05/07/25 12:58	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/07/25 12:58	1
Benzene	<0.500		0.500	0.220	ug/L			05/07/25 12:58	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/07/25 12:58	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/07/25 12:58	1
Bromoform	<5.00		5.00	0.780	ug/L			05/07/25 12:58	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/07/25 12:58	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/07/25 12:58	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/07/25 12:58	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/07/25 12:58	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/07/25 12:58	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/07/25 12:58	1
Chloroform	<3.00		3.00	1.30	ug/L			05/07/25 12:58	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/07/25 12:58	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/07/25 12:58	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/07/25 12:58	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/07/25 12:58	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/07/25 12:58	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/07/25 12:58	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/07/25 12:58	1
Styrene	<1.00		1.00	0.370	ug/L			05/07/25 12:58	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/07/25 12:58	1
Toluene	<1.00		1.00	0.430	ug/L			05/07/25 12:58	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/07/25 12:58	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/07/25 12:58	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/07/25 12:58	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/07/25 12:58	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/07/25 12:58	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/07/25 12:58	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/07/25 12:58	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/07/25 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*76 - 130*		*05/07/25 12:58*	*1*

Client Sample ID: MW-312A
Lab Sample ID: 310-305515-11
Date Collected: 04/30/25 13:39
Matrix: Water
Date Received: 05/02/25 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/07/25 12:58*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/07/25 12:58*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/07/25 09:00	05/11/25 21:52	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/07/25 09:00	05/11/25 21:52	1
Barium	**0.157**		0.00200	0.000660	mg/L		05/07/25 09:00	05/11/25 21:52	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/07/25 09:00	05/11/25 21:52	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/07/25 09:00	05/11/25 21:52	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/07/25 09:00	05/11/25 21:52	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/07/25 09:00	05/11/25 21:52	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/07/25 09:00	05/11/25 21:52	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/07/25 09:00	05/11/25 21:52	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/07/25 09:00	05/11/25 21:52	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/07/25 09:00	05/11/25 21:52	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/07/25 09:00	05/11/25 21:52	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/07/25 09:00	05/11/25 21:52	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/07/25 09:00	05/11/25 21:52	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/07/25 09:00	05/11/25 21:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			05/05/25 14:37	1

Definitions/Glossary

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
		DBFM	TOL	BFB						
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)						
310-305515-1	WT-1	115	96	101						
310-305515-1 MS	WT-1	99	101	100						
310-305515-1 MSD	WT-1	99	102	101						
310-305515-2	WT-2	116	97	97						
310-305515-3	WT-3	115	93	97						
310-305515-4	WT-4	110	94	103						
310-305515-5	WT-OF	110	97	104						
310-305515-6	MW-200A	115	95	103						
310-305515-8	MW-18AR	108	95	98						
310-305515-9	MW-39B	113	96	97						
310-305515-10	MW-310A	113	94	99						
310-305515-11	MW-312A	109	97	101						
LCS 310-453821/8	Lab Control Sample	99	99	99						
LCS 310-453821/9	Lab Control Sample	116	96	94						
MB 310-453821/7	Method Blank	109	97	99						

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-453821/7
Matrix: Water
Analysis Batch: 453821

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/07/25 08:27	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/07/25 08:27	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/07/25 08:27	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/07/25 08:27	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/07/25 08:27	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/07/25 08:27	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/07/25 08:27	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/07/25 08:27	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/07/25 08:27	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/07/25 08:27	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/07/25 08:27	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/07/25 08:27	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/07/25 08:27	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/07/25 08:27	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/07/25 08:27	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/07/25 08:27	1
Acetone	<10.0		10.0	3.10	ug/L			05/07/25 08:27	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/07/25 08:27	1
Benzene	<0.500		0.500	0.220	ug/L			05/07/25 08:27	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/07/25 08:27	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/07/25 08:27	1
Bromoform	<5.00		5.00	0.780	ug/L			05/07/25 08:27	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/07/25 08:27	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/07/25 08:27	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/07/25 08:27	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/07/25 08:27	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/07/25 08:27	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/07/25 08:27	1
Chloroform	<3.00		3.00	1.30	ug/L			05/07/25 08:27	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/07/25 08:27	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/07/25 08:27	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/07/25 08:27	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/07/25 08:27	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/07/25 08:27	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/07/25 08:27	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/07/25 08:27	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/07/25 08:27	1
Styrene	<1.00		1.00	0.370	ug/L			05/07/25 08:27	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/07/25 08:27	1
Toluene	<1.00		1.00	0.430	ug/L			05/07/25 08:27	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/07/25 08:27	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/07/25 08:27	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/07/25 08:27	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/07/25 08:27	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/07/25 08:27	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/07/25 08:27	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/07/25 08:27	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/07/25 08:27	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-453821/7
Matrix: Water
Analysis Batch: 453821

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*109*		*76 - 130*		*05/07/25 08:27*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/07/25 08:27*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/07/25 08:27*	*1*

Lab Sample ID: LCS 310-453821/8
Matrix: Water
Analysis Batch: 453821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	18.23		ug/L		91	70 - 121
1,1,1-Trichloroethane	20.0	19.91		ug/L		100	69 - 130
1,1,2,2-Tetrachloroethane	20.0	16.92		ug/L		85	70 - 122
1,1,2-Trichloroethane	20.0	17.93		ug/L		90	75 - 121
1,1-Dichloroethane	20.0	20.87		ug/L		104	69 - 127
1,1-Dichloroethene	20.0	21.00		ug/L		105	64 - 134
1,2,3-Trichloropropane	20.0	16.84		ug/L		84	70 - 122
1,2-Dibromo-3-Chloropropane	20.0	18.97		ug/L		95	62 - 132
1,2-Dibromoethane (EDB)	20.0	17.28		ug/L		86	74 - 122
1,2-Dichlorobenzene	20.0	18.56		ug/L		93	74 - 120
1,2-Dichloroethane	20.0	20.55		ug/L		103	68 - 125
1,2-Dichloropropane	20.0	19.90		ug/L		100	72 - 128
1,4-Dichlorobenzene	20.0	17.74		ug/L		89	72 - 120
2-Butanone (MEK)	40.0	37.11		ug/L		93	60 - 134
2-Hexanone	40.0	35.10		ug/L		88	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	37.24		ug/L		93	62 - 136
Acetone	40.0	40.80		ug/L		102	59 - 136
Acrylonitrile	200	202.8		ug/L		101	50 - 150
Benzene	20.0	20.06		ug/L		100	71 - 125
Bromochloromethane	20.0	21.07		ug/L		105	69 - 131
Bromodichloromethane	20.0	18.92		ug/L		95	70 - 122
Bromoform	20.0	16.93		ug/L		85	62 - 122
Carbon disulfide	20.0	21.73		ug/L		109	58 - 137
Carbon tetrachloride	20.0	21.66		ug/L		108	63 - 136
Chlorobenzene	20.0	18.67		ug/L		93	74 - 120
Chlorodibromomethane	20.0	17.03		ug/L		85	69 - 121
Chloroform	20.0	21.52		ug/L		108	72 - 122
cis-1,2-Dichloroethene	20.0	21.20		ug/L		106	72 - 123
cis-1,3-Dichloropropene	20.0	17.21		ug/L		86	72 - 123
Dibromomethane	20.0	20.44		ug/L		102	72 - 122
Ethylbenzene	20.0	19.25		ug/L		96	75 - 120
Iodomethane	20.0	14.08		ug/L		70	18 - 150
Methylene Chloride	20.0	21.41		ug/L		107	72 - 128
Styrene	20.0	16.98		ug/L		85	74 - 122
Tetrachloroethene	20.0	19.20		ug/L		96	70 - 128
Toluene	20.0	21.09		ug/L		105	74 - 120
trans-1,2-Dichloroethene	20.0	20.50		ug/L		103	67 - 127
trans-1,3-Dichloropropene	20.0	16.48		ug/L		82	67 - 123
trans-1,4-Dichloro-2-butene	20.0	16.17		ug/L		81	50 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-453821/8
Matrix: Water
Analysis Batch: 453821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Trichloroethene			20.0	18.20		ug/L		91	70 - 128		
Vinyl acetate			40.0	31.69		ug/L		79	50 - 150		
Xylenes, Total			40.0	38.02		ug/L		95	74 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*76 - 130*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: LCS 310-453821/9
Matrix: Water
Analysis Batch: 453821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromomethane			20.0	14.05		ug/L		70	33 - 138		
Chloroethane			20.0	17.34		ug/L		87	59 - 139		
Chloromethane			20.0	18.05		ug/L		90	52 - 146		
Dichlorodifluoromethane			20.0	20.15		ug/L		101	45 - 150		
Trichlorofluoromethane			20.0	18.10		ug/L		90	55 - 150		
Vinyl chloride			20.0	16.59		ug/L		83	60 - 142		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*116*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*

Lab Sample ID: 310-305515-1 MS
Matrix: Water
Analysis Batch: 453821

Client Sample ID: WT-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	<1.00		25.0	21.15		ug/L		85	55 - 121		
1,1,1-Trichloroethane	<1.00		25.0	19.57		ug/L		78	53 - 130		
1,1,2,2-Tetrachloroethane	<1.00		25.0	20.28		ug/L		81	55 - 123		
1,1,2-Trichloroethane	<1.00		25.0	20.68		ug/L		83	60 - 121		
1,1-Dichloroethane	<1.00		25.0	20.52		ug/L		82	53 - 127		
1,1-Dichloroethene	<2.00		25.0	20.67		ug/L		83	51 - 134		
1,2,3-Trichloropropane	<1.00		25.0	19.97		ug/L		80	56 - 122		
1,2-Dibromo-3-Chloropropane	<1.20		25.0	21.39		ug/L		86	44 - 138		
1,2-Dibromoethane (EDB)	<0.340		25.0	18.94		ug/L		76	60 - 122		
1,2-Dichlorobenzene	<1.00		25.0	22.28		ug/L		89	60 - 120		
1,2-Dichloroethane	<1.00		25.0	21.44		ug/L		86	48 - 128		
1,2-Dichloropropane	<1.00		25.0	20.28		ug/L		81	59 - 128		
1,4-Dichlorobenzene	<1.00		25.0	21.31		ug/L		85	58 - 120		
2-Butanone (MEK)	<10.0		50.0	43.22		ug/L		86	46 - 134		
2-Hexanone	<10.0		50.0	40.75		ug/L		82	46 - 141		
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	41.37		ug/L		83	49 - 138		
Acetone	<10.0		50.0	43.07		ug/L		86	39 - 141		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-305515-1 MS
Matrix: Water
Analysis Batch: 453821

Client Sample ID: WT-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acrylonitrile	<5.00		250	212.3		ug/L		85	41 - 150
Benzene	<0.500		25.0	20.64		ug/L		83	48 - 125
Bromochloromethane	<5.00		25.0	22.24		ug/L		89	55 - 131
Bromodichloromethane	<1.00		25.0	20.45		ug/L		82	53 - 122
Bromoform	<5.00		25.0	20.24		ug/L		81	47 - 122
Carbon disulfide	<1.00		25.0	22.59		ug/L		90	45 - 137
Carbon tetrachloride	<2.00		25.0	21.19		ug/L		85	45 - 136
Chlorobenzene	<1.00		25.0	21.01		ug/L		84	59 - 120
Chlorodibromomethane	<5.00		25.0	19.78		ug/L		79	53 - 121
Chloroform	<3.00		25.0	21.89		ug/L		88	52 - 122
cis-1,2-Dichloroethene	<1.00		25.0	21.01		ug/L		84	51 - 123
cis-1,3-Dichloropropene	<5.00		25.0	18.16		ug/L		73	55 - 123
Dibromomethane	<1.00		25.0	21.80		ug/L		87	57 - 122
Ethylbenzene	<1.00		25.0	21.49		ug/L		86	53 - 120
Iodomethane	<10.0		25.0	13.82		ug/L		55	18 - 150
Methylene Chloride	<5.00		25.0	21.31		ug/L		85	59 - 128
Styrene	<1.00		25.0	19.73		ug/L		79	50 - 125
Tetrachloroethene	<1.00		25.0	20.73		ug/L		83	51 - 128
Toluene	<1.00		25.0	21.43		ug/L		86	52 - 120
trans-1,2-Dichloroethene	<1.00		25.0	20.76		ug/L		83	53 - 127
trans-1,3-Dichloropropene	<5.00		25.0	17.56		ug/L		70	50 - 123
trans-1,4-Dichloro-2-butene	<10.0		25.0	18.72		ug/L		75	28 - 150
Trichloroethene	<1.00		25.0	19.03		ug/L		76	50 - 128
Vinyl acetate	<10.0		50.0	33.15		ug/L		66	31 - 150
Xylenes, Total	<3.00		50.0	43.59		ug/L		87	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*76 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: 310-305515-1 MSD
Matrix: Water
Analysis Batch: 453821

Client Sample ID: WT-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<1.00		25.0	21.57		ug/L		86	55 - 121	2	20
1,1,1-Trichloroethane	<1.00		25.0	19.39		ug/L		78	53 - 130	1	20
1,1,2,2-Tetrachloroethane	<1.00		25.0	20.18		ug/L		81	55 - 123	1	20
1,1,2-Trichloroethane	<1.00		25.0	20.16		ug/L		81	60 - 121	3	20
1,1-Dichloroethane	<1.00		25.0	20.15		ug/L		81	53 - 127	2	20
1,1-Dichloroethene	<2.00		25.0	20.64		ug/L		83	51 - 134	0	20
1,2,3-Trichloropropane	<1.00		25.0	20.38		ug/L		82	56 - 122	2	21
1,2-Dibromo-3-Chloropropane	<1.20		25.0	23.80		ug/L		95	44 - 138	11	24
1,2-Dibromoethane (EDB)	<0.340		25.0	18.54		ug/L		74	60 - 122	2	20
1,2-Dichlorobenzene	<1.00		25.0	22.03		ug/L		88	60 - 120	1	20
1,2-Dichloroethane	<1.00		25.0	21.39		ug/L		86	48 - 128	0	20
1,2-Dichloropropane	<1.00		25.0	21.43		ug/L		86	59 - 128	6	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-305515-1 MSD
Matrix: Water
Analysis Batch: 453821

Client Sample ID: WT-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	<1.00		25.0	21.11		ug/L		84	58 - 120	1	20
2-Butanone (MEK)	<10.0		50.0	39.15		ug/L		78	46 - 134	10	23
2-Hexanone	<10.0		50.0	42.66		ug/L		85	46 - 141	5	20
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	43.64		ug/L		87	49 - 138	5	20
Acetone	<10.0		50.0	47.05		ug/L		94	39 - 141	9	23
Acrylonitrile	<5.00		250	214.2		ug/L		86	41 - 150	1	20
Benzene	<0.500		25.0	19.90		ug/L		80	48 - 125	4	20
Bromochloromethane	<5.00		25.0	20.63		ug/L		83	55 - 131	8	21
Bromodichloromethane	<1.00		25.0	20.44		ug/L		82	53 - 122	0	20
Bromoform	<5.00		25.0	20.15		ug/L		81	47 - 122	0	20
Carbon disulfide	<1.00		25.0	20.36		ug/L		81	45 - 137	10	24
Carbon tetrachloride	<2.00		25.0	20.69		ug/L		83	45 - 136	2	20
Chlorobenzene	<1.00		25.0	21.00		ug/L		84	59 - 120	0	20
Chlorodibromomethane	<5.00		25.0	18.52		ug/L		74	53 - 121	7	20
Chloroform	<3.00		25.0	21.14		ug/L		85	52 - 122	3	20
cis-1,2-Dichloroethene	<1.00		25.0	20.07		ug/L		80	51 - 123	5	20
cis-1,3-Dichloropropene	<5.00		25.0	18.13		ug/L		73	55 - 123	0	20
Dibromomethane	<1.00		25.0	22.36		ug/L		89	57 - 122	3	20
Ethylbenzene	<1.00		25.0	21.03		ug/L		84	53 - 120	2	20
Iodomethane	<10.0		25.0	16.27		ug/L		65	18 - 150	16	32
Methylene Chloride	<5.00		25.0	20.38		ug/L		82	59 - 128	4	20
Styrene	<1.00		25.0	19.08		ug/L		76	50 - 125	3	20
Tetrachloroethene	<1.00		25.0	20.66		ug/L		83	51 - 128	0	20
Toluene	<1.00		25.0	21.51		ug/L		86	52 - 120	0	20
trans-1,2-Dichloroethene	<1.00		25.0	20.22		ug/L		81	53 - 127	3	20
trans-1,3-Dichloropropene	<5.00		25.0	18.13		ug/L		73	50 - 123	3	20
trans-1,4-Dichloro-2-butene	<10.0		25.0	19.99		ug/L		80	28 - 150	7	24
Trichloroethene	<1.00		25.0	18.33		ug/L		73	50 - 128	4	20
Vinyl acetate	<10.0		50.0	31.85		ug/L		64	31 - 150	4	25
Xylenes, Total	<3.00		50.0	42.49		ug/L		85	50 - 122	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*76 - 130*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-453871/1-A
Matrix: Water
Analysis Batch: 454259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453871

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/07/25 09:00	05/08/25 17:56	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/07/25 09:00	05/08/25 17:56	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/07/25 09:00	05/08/25 17:56	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/07/25 09:00	05/08/25 17:56	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/07/25 09:00	05/08/25 17:56	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/07/25 09:00	05/08/25 17:56	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-453871/1-A
Matrix: Water
Analysis Batch: 454259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453871

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/07/25 09:00	05/08/25 17:56	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/07/25 09:00	05/08/25 17:56	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/07/25 09:00	05/08/25 17:56	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/07/25 09:00	05/08/25 17:56	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/07/25 09:00	05/08/25 17:56	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/07/25 09:00	05/08/25 17:56	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/07/25 09:00	05/08/25 17:56	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/07/25 09:00	05/08/25 17:56	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/07/25 09:00	05/08/25 17:56	1

Lab Sample ID: LCS 310-453871/2-A
Matrix: Water
Analysis Batch: 454259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453871

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2052		mg/L		103	80 - 120
Arsenic	0.200	0.1968		mg/L		98	80 - 120
Barium	0.100	0.1054		mg/L		105	80 - 120
Beryllium	0.100	0.09288		mg/L		93	80 - 120
Cadmium	0.100	0.09969		mg/L		100	80 - 120
Chromium	0.100	0.1017		mg/L		102	80 - 120
Cobalt	0.100	0.1026		mg/L		103	80 - 120
Copper	0.200	0.2049		mg/L		102	80 - 120
Lead	0.200	0.2043		mg/L		102	80 - 120
Nickel	0.200	0.2030		mg/L		102	80 - 120
Selenium	0.400	0.3816		mg/L		95	80 - 120
Silver	0.100	0.1156		mg/L		116	80 - 120
Thallium	0.100	0.09129		mg/L		91	80 - 120
Vanadium	0.100	0.09955		mg/L		100	80 - 120
Zinc	0.200	0.1935		mg/L		97	80 - 120

Lab Sample ID: MB 310-453874/1-A
Matrix: Water
Analysis Batch: 454379

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/07/25 09:00	05/11/25 21:25	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/07/25 09:00	05/11/25 21:25	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/07/25 09:00	05/11/25 21:25	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/07/25 09:00	05/11/25 21:25	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/07/25 09:00	05/11/25 21:25	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/07/25 09:00	05/11/25 21:25	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/07/25 09:00	05/11/25 21:25	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/07/25 09:00	05/11/25 21:25	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/07/25 09:00	05/11/25 21:25	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/07/25 09:00	05/11/25 21:25	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/07/25 09:00	05/11/25 21:25	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/07/25 09:00	05/11/25 21:25	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/07/25 09:00	05/11/25 21:25	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-453874/1-A
Matrix: Water
Analysis Batch: 454379

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/07/25 09:00	05/11/25 21:25	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/07/25 09:00	05/11/25 21:25	1

Lab Sample ID: LCS 310-453874/2-A
Matrix: Water
Analysis Batch: 454379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.1939		mg/L		97	80 - 120
Arsenic	0.200	0.1930		mg/L		96	80 - 120
Barium	0.100	0.09721		mg/L		97	80 - 120
Beryllium	0.100	0.08986		mg/L		90	80 - 120
Cadmium	0.100	0.09454		mg/L		95	80 - 120
Chromium	0.100	0.09684		mg/L		97	80 - 120
Cobalt	0.100	0.09820		mg/L		98	80 - 120
Copper	0.200	0.1942		mg/L		97	80 - 120
Lead	0.200	0.1993		mg/L		100	80 - 120
Nickel	0.200	0.1976		mg/L		99	80 - 120
Selenium	0.400	0.3596		mg/L		90	80 - 120
Silver	0.100	0.1123		mg/L		112	80 - 120
Thallium	0.100	0.08920		mg/L		89	80 - 120
Vanadium	0.100	0.09741		mg/L		97	80 - 120
Zinc	0.200	0.1870		mg/L		94	80 - 120

Lab Sample ID: MB 310-453977/1-A
Matrix: Water
Analysis Batch: 454259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453977

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/08/25 09:30	05/08/25 16:23	1

Lab Sample ID: LCS 310-453977/2-A
Matrix: Water
Analysis Batch: 454259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453977

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.1941		mg/L		97	80 - 120

Lab Sample ID: MB 310-453978/1-A
Matrix: Water
Analysis Batch: 454379

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453978

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/08/25 09:30	05/11/25 19:55	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/08/25 09:30	05/11/25 19:55	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/08/25 09:30	05/11/25 19:55	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/08/25 09:30	05/11/25 19:55	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/08/25 09:30	05/11/25 19:55	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/08/25 09:30	05/11/25 19:55	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/08/25 09:30	05/11/25 19:55	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-453978/1-A
Matrix: Water
Analysis Batch: 454379

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453978

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00500		0.00500	0.00320	mg/L		05/08/25 09:30	05/11/25 19:55	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/08/25 09:30	05/11/25 19:55	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/08/25 09:30	05/11/25 19:55	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/08/25 09:30	05/11/25 19:55	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/08/25 09:30	05/11/25 19:55	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/08/25 09:30	05/11/25 19:55	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/08/25 09:30	05/11/25 19:55	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/08/25 09:30	05/11/25 19:55	1

Lab Sample ID: LCS 310-453978/2-A
Matrix: Water
Analysis Batch: 454379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453978

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2005		mg/L		100	80 - 120
Arsenic	0.200	0.2014		mg/L		101	80 - 120
Barium	0.100	0.1012		mg/L		101	80 - 120
Beryllium	0.100	0.09617		mg/L		96	80 - 120
Cadmium	0.100	0.09819		mg/L		98	80 - 120
Chromium	0.100	0.1014		mg/L		101	80 - 120
Cobalt	0.100	0.1022		mg/L		102	80 - 120
Copper	0.200	0.2026		mg/L		101	80 - 120
Lead	0.200	0.2065		mg/L		103	80 - 120
Nickel	0.200	0.2078		mg/L		104	80 - 120
Selenium	0.400	0.3776		mg/L		94	80 - 120
Silver	0.100	0.1114		mg/L		111	80 - 120
Thallium	0.100	0.08926		mg/L		89	80 - 120
Vanadium	0.100	0.1018		mg/L		102	80 - 120
Zinc	0.200	0.1962		mg/L		98	80 - 120

Lab Sample ID: MB 310-453980/1-A
Matrix: Water
Analysis Batch: 454358

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453980

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/08/25 09:30	05/09/25 17:46	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/08/25 09:30	05/09/25 17:46	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/08/25 09:30	05/09/25 17:46	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/08/25 09:30	05/09/25 17:46	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/08/25 09:30	05/09/25 17:46	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/08/25 09:30	05/09/25 17:46	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/08/25 09:30	05/09/25 17:46	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/08/25 09:30	05/09/25 17:46	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/08/25 09:30	05/09/25 17:46	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/08/25 09:30	05/09/25 17:46	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/08/25 09:30	05/09/25 17:46	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/08/25 09:30	05/09/25 17:46	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/08/25 09:30	05/09/25 17:46	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/08/25 09:30	05/09/25 17:46	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-453980/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454361
Prep Batch: 453980

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00500		0.00500	0.00230	mg/L		05/08/25 09:30	05/10/25 17:38	1

Lab Sample ID: LCS 310-453980/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454358
Prep Batch: 453980

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2028		mg/L		101	80 - 120
Arsenic	0.200	0.2027		mg/L		101	80 - 120
Barium	0.100	0.1042		mg/L		104	80 - 120
Beryllium	0.100	0.09126		mg/L		91	80 - 120
Cadmium	0.100	0.09908		mg/L		99	80 - 120
Chromium	0.100	0.09899		mg/L		99	80 - 120
Cobalt	0.100	0.1037		mg/L		104	80 - 120
Copper	0.200	0.1986		mg/L		99	80 - 120
Lead	0.200	0.2181		mg/L		109	80 - 120
Selenium	0.400	0.3859		mg/L		96	80 - 120
Silver	0.100	0.1057		mg/L		106	80 - 120
Thallium	0.100	0.08602		mg/L		86	80 - 120
Vanadium	0.100	0.1000		mg/L		100	80 - 120
Zinc	0.200	0.1833		mg/L		92	80 - 120

Lab Sample ID: LCS 310-453980/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454361
Prep Batch: 453980

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	0.200	0.1973		mg/L		99	80 - 120

Lab Sample ID: MB 310-454185/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454355
Prep Batch: 454185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/09/25 07:15	05/09/25 13:46	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/09/25 07:15	05/09/25 13:46	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/09/25 07:15	05/09/25 13:46	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/09/25 07:15	05/09/25 13:46	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/09/25 07:15	05/09/25 13:46	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/09/25 07:15	05/09/25 13:46	1

Lab Sample ID: LCS 310-454185/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454355
Prep Batch: 454185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.1959		mg/L		98	80 - 120
Barium	0.100	0.1002		mg/L		100	80 - 120
Cobalt	0.100	0.09746		mg/L		97	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 310-454185/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454355
Prep Batch: 454185

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Copper			0.200	0.1938		mg/L		97	80 - 120		
Lead			0.200	0.1979		mg/L		99	80 - 120		
Nickel			0.200	0.1940		mg/L		97	80 - 120		

Lab Sample ID: 310-305515-8 MS
Client Sample ID: MW-18AR
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454355
Prep Batch: 454185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	<0.00200		0.200	0.2122		mg/L		106	75 - 125		
Barium	0.852		0.100	0.9448	4	mg/L		93	75 - 125		
Cobalt	<0.000500		0.100	0.09959		mg/L		100	75 - 125		
Copper	<0.00500		0.200	0.1974		mg/L		99	75 - 125		
Lead	<0.000500		0.200	0.2048		mg/L		102	75 - 125		
Nickel	<0.00500		0.200	0.1979		mg/L		99	75 - 125		

Lab Sample ID: 310-305515-8 MSD
Client Sample ID: MW-18AR
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454355
Prep Batch: 454185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	<0.00200		0.200	0.2156		mg/L		108	75 - 125	2	20
Barium	0.852		0.100	0.9485	4	mg/L		96	75 - 125	0	20
Cobalt	<0.000500		0.100	0.1012		mg/L		101	75 - 125	2	20
Copper	<0.00500		0.200	0.2003		mg/L		100	75 - 125	1	20
Lead	<0.000500		0.200	0.2065		mg/L		103	75 - 125	1	20
Nickel	<0.00500		0.200	0.1999		mg/L		100	75 - 125	1	20

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-816808/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 816808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.00		1.00	0.231	mg/L			05/07/25 21:58	1

Lab Sample ID: LCS 500-816808/2
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 816808

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			3.97	3.649		mg/L		92	80 - 120		

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-453755/1
Matrix: Water
Analysis Batch: 453755

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			05/05/25 14:37	1

Lab Sample ID: LCS 310-453755/2
Matrix: Water
Analysis Batch: 453755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	111.0		mg/L		111	81 - 116

Lab Sample ID: MB 310-453888/1
Matrix: Water
Analysis Batch: 453888

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			05/06/25 14:17	1

Lab Sample ID: LCS 310-453888/2
Matrix: Water
Analysis Batch: 453888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	115.0		mg/L		115	81 - 116

GC/MS VOA

Analysis Batch: 453821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-1	WT-1	Total/NA	Water	8260D	
310-305515-2	WT-2	Total/NA	Water	8260D	
310-305515-3	WT-3	Total/NA	Water	8260D	
310-305515-4	WT-4	Total/NA	Water	8260D	
310-305515-5	WT-OF	Total/NA	Water	8260D	
310-305515-6	MW-200A	Total/NA	Water	8260D	
310-305515-8	MW-18AR	Total/NA	Water	8260D	
310-305515-9	MW-39B	Total/NA	Water	8260D	
310-305515-10	MW-310A	Total/NA	Water	8260D	
310-305515-11	MW-312A	Total/NA	Water	8260D	
MB 310-453821/7	Method Blank	Total/NA	Water	8260D	
LCS 310-453821/8	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-453821/9	Lab Control Sample	Total/NA	Water	8260D	
310-305515-1 MS	WT-1	Total/NA	Water	8260D	
310-305515-1 MSD	WT-1	Total/NA	Water	8260D	

Metals

Prep Batch: 453871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-3	WT-3	Total/NA	Water	3005A	
310-305515-10	MW-310A	Total/NA	Water	3005A	
MB 310-453871/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-453871/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 453874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-5	WT-OF	Total/NA	Water	3005A	
310-305515-11	MW-312A	Total/NA	Water	3005A	
MB 310-453874/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-453874/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 453977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-7	MW-11D	Total/NA	Water	3005A	
MB 310-453977/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-453977/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 453978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-1	WT-1	Total/NA	Water	3005A	
310-305515-2	WT-2	Total/NA	Water	3005A	
310-305515-4	WT-4	Total/NA	Water	3005A	
310-305515-6	MW-200A	Total/NA	Water	3005A	
MB 310-453978/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-453978/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 453980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-9	MW-39B	Total/NA	Water	3005A	
MB 310-453980/1-A	Method Blank	Total/NA	Water	3005A	

Metals (Continued)

Prep Batch: 453980 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-453980/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 454185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-8	MW-18AR	Total/NA	Water	3005A	
MB 310-454185/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-454185/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-305515-8 MS	MW-18AR	Total/NA	Water	3005A	
310-305515-8 MSD	MW-18AR	Total/NA	Water	3005A	

Analysis Batch: 454259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-3	WT-3	Total/NA	Water	6020B	453871
310-305515-7	MW-11D	Total/NA	Water	6020B	453977
310-305515-10	MW-310A	Total/NA	Water	6020B	453871
MB 310-453871/1-A	Method Blank	Total/NA	Water	6020B	453871
MB 310-453977/1-A	Method Blank	Total/NA	Water	6020B	453977
LCS 310-453871/2-A	Lab Control Sample	Total/NA	Water	6020B	453871
LCS 310-453977/2-A	Lab Control Sample	Total/NA	Water	6020B	453977

Analysis Batch: 454355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-8	MW-18AR	Total/NA	Water	6020B	454185
MB 310-454185/1-A	Method Blank	Total/NA	Water	6020B	454185
LCS 310-454185/2-A	Lab Control Sample	Total/NA	Water	6020B	454185
310-305515-8 MS	MW-18AR	Total/NA	Water	6020B	454185
310-305515-8 MSD	MW-18AR	Total/NA	Water	6020B	454185

Analysis Batch: 454358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-9	MW-39B	Total/NA	Water	6020B	453980
MB 310-453980/1-A	Method Blank	Total/NA	Water	6020B	453980
LCS 310-453980/2-A	Lab Control Sample	Total/NA	Water	6020B	453980

Analysis Batch: 454361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-9	MW-39B	Total/NA	Water	6020B	453980
MB 310-453980/1-A	Method Blank	Total/NA	Water	6020B	453980
LCS 310-453980/2-A	Lab Control Sample	Total/NA	Water	6020B	453980

Analysis Batch: 454379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-1	WT-1	Total/NA	Water	6020B	453978
310-305515-2	WT-2	Total/NA	Water	6020B	453978
310-305515-4	WT-4	Total/NA	Water	6020B	453978
310-305515-5	WT-OF	Total/NA	Water	6020B	453874
310-305515-6	MW-200A	Total/NA	Water	6020B	453978
310-305515-11	MW-312A	Total/NA	Water	6020B	453874
MB 310-453874/1-A	Method Blank	Total/NA	Water	6020B	453874
MB 310-453978/1-A	Method Blank	Total/NA	Water	6020B	453978
LCS 310-453874/2-A	Lab Control Sample	Total/NA	Water	6020B	453874

Metals (Continued)

Analysis Batch: 454379 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-453978/2-A	Lab Control Sample	Total/NA	Water	6020B	453978

General Chemistry

Analysis Batch: 453755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-1	WT-1	Total/NA	Water	I-3765-85	
310-305515-2	WT-2	Total/NA	Water	I-3765-85	
310-305515-3	WT-3	Total/NA	Water	I-3765-85	
310-305515-5	WT-OF	Total/NA	Water	I-3765-85	
310-305515-6	MW-200A	Total/NA	Water	I-3765-85	
310-305515-11	MW-312A	Total/NA	Water	I-3765-85	
MB 310-453755/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-453755/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 453888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-4	WT-4	Total/NA	Water	I-3765-85	
310-305515-7	MW-11D	Total/NA	Water	I-3765-85	
310-305515-8	MW-18AR	Total/NA	Water	I-3765-85	
310-305515-9	MW-39B	Total/NA	Water	I-3765-85	
310-305515-10	MW-310A	Total/NA	Water	I-3765-85	
MB 310-453888/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-453888/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 816808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305515-8	MW-18AR	Total/NA	Water	9034	
MB 500-816808/1	Method Blank	Total/NA	Water	9034	
LCS 500-816808/2	Lab Control Sample	Total/NA	Water	9034	

Lab Chronicle

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: WT-1
Lab Sample ID: 310-305515-1
Date Collected: 04/30/25 08:20
Matrix: Water
Date Received: 05/02/25 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453821	WSE8	EET CF	05/07/25 09:35
Total/NA	Prep	3005A			453978	QTZ5	EET CF	05/08/25 09:30
Total/NA	Analysis	6020B		1	454379	NFT2	EET CF	05/11/25 20:21
Total/NA	Analysis	I-3765-85		1	453755	HE7K	EET CF	05/05/25 14:37

Client Sample ID: WT-2
Lab Sample ID: 310-305515-2
Date Collected: 04/30/25 08:39
Matrix: Water
Date Received: 05/02/25 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453821	WSE8	EET CF	05/07/25 09:58
Total/NA	Prep	3005A			453978	QTZ5	EET CF	05/08/25 09:30
Total/NA	Analysis	6020B		1	454379	NFT2	EET CF	05/11/25 20:30
Total/NA	Analysis	I-3765-85		1	453755	HE7K	EET CF	05/05/25 14:37

Client Sample ID: WT-3
Lab Sample ID: 310-305515-3
Date Collected: 04/30/25 08:55
Matrix: Water
Date Received: 05/02/25 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453821	WSE8	EET CF	05/07/25 10:20
Total/NA	Prep	3005A			453871	QTZ5	EET CF	05/07/25 09:00
Total/NA	Analysis	6020B		1	454259	ZRI4	EET CF	05/08/25 19:20
Total/NA	Analysis	I-3765-85		1	453755	HE7K	EET CF	05/05/25 14:37

Client Sample ID: WT-4
Lab Sample ID: 310-305515-4
Date Collected: 04/30/25 09:10
Matrix: Water
Date Received: 05/02/25 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453821	WSE8	EET CF	05/07/25 10:43
Total/NA	Prep	3005A			453978	QTZ5	EET CF	05/08/25 09:30
Total/NA	Analysis	6020B		1	454379	NFT2	EET CF	05/11/25 20:27
Total/NA	Analysis	I-3765-85		1	453888	XJ7V	EET CF	05/06/25 14:17

Client Sample ID: WT-OF
Lab Sample ID: 310-305515-5
Date Collected: 04/30/25 08:15
Matrix: Water
Date Received: 05/02/25 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453821	WSE8	EET CF	05/07/25 11:05
Total/NA	Prep	3005A			453874	QTZ5	EET CF	05/07/25 09:00
Total/NA	Analysis	6020B		1	454379	NFT2	EET CF	05/11/25 21:55
Total/NA	Analysis	I-3765-85		1	453755	HE7K	EET CF	05/05/25 14:37

Client Sample ID: MW-200A
Lab Sample ID: 310-305515-6

Date Collected: 04/30/25 09:42
Matrix: Water
Date Received: 05/02/25 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453821	WSE8	EET CF	05/07/25 11:28
Total/NA	Prep	3005A			453978	QTZ5	EET CF	05/08/25 09:30
Total/NA	Analysis	6020B		1	454379	NFT2	EET CF	05/11/25 20:24
Total/NA	Analysis	I-3765-85		1	453755	HE7K	EET CF	05/05/25 14:37

Client Sample ID: MW-11D
Lab Sample ID: 310-305515-7

Date Collected: 04/30/25 10:11
Matrix: Water
Date Received: 05/02/25 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			453977	QTZ5	EET CF	05/08/25 09:30
Total/NA	Analysis	6020B		1	454259	ZRI4	EET CF	05/08/25 17:50
Total/NA	Analysis	I-3765-85		1	453888	XJ7V	EET CF	05/06/25 14:17

Client Sample ID: MW-18AR
Lab Sample ID: 310-305515-8

Date Collected: 04/30/25 10:40
Matrix: Water
Date Received: 05/02/25 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453821	WSE8	EET CF	05/07/25 11:50
Total/NA	Prep	3005A			454185	Y3EC	EET CF	05/09/25 07:15
Total/NA	Analysis	6020B		1	454355	ZRI4	EET CF	05/09/25 13:52
Total/NA	Analysis	9034		1	816808	CLB	EET CHI	05/07/25 22:31 - 05/07/25 22:34 [1]
Total/NA	Analysis	I-3765-85		1	453888	XJ7V	EET CF	05/06/25 14:17

Client Sample ID: MW-39B
Lab Sample ID: 310-305515-9

Date Collected: 04/30/25 12:27
Matrix: Water
Date Received: 05/02/25 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453821	WSE8	EET CF	05/07/25 12:13
Total/NA	Prep	3005A			453980	QTZ5	EET CF	05/08/25 09:30
Total/NA	Analysis	6020B		1	454358	ZRI4	EET CF	05/09/25 18:17
Total/NA	Prep	3005A			453980	QTZ5	EET CF	05/08/25 09:30
Total/NA	Analysis	6020B		1	454361	ZRI4	EET CF	05/10/25 18:10
Total/NA	Analysis	I-3765-85		1	453888	XJ7V	EET CF	05/06/25 14:17

Client Sample ID: MW-310A
Lab Sample ID: 310-305515-10

Date Collected: 04/30/25 13:02
Matrix: Water
Date Received: 05/02/25 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453821	WSE8	EET CF	05/07/25 12:35
Total/NA	Prep	3005A			453871	QTZ5	EET CF	05/07/25 09:00
Total/NA	Analysis	6020B		1	454259	ZRI4	EET CF	05/08/25 18:16

Lab Chronicle

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-310A
Lab Sample ID: 310-305515-10
Date Collected: 04/30/25 13:02
Matrix: Water
Date Received: 05/02/25 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	I-3765-85		1	453888	XJ7V	EET CF	05/06/25 14:17

Client Sample ID: MW-312A
Lab Sample ID: 310-305515-11
Date Collected: 04/30/25 13:39
Matrix: Water
Date Received: 05/02/25 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453821	WSE8	EET CF	05/07/25 12:58
Total/NA	Prep	3005A			453874	QTZ5	EET CF	05/07/25 09:00
Total/NA	Analysis	6020B		1	454379	NFT2	EET CF	05/11/25 21:52
Total/NA	Analysis	I-3765-85		1	453755	HE7K	EET CF	05/05/25 14:37

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

Method Summary

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

eurofins | Environment Testing America

310-305515 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY Omaha | STATE NE | Project.

Receipt Information

Date/Time Received: DATE 5/2/25 | TIME 1415 | Received By: XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes.* Cooler ID:
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 1 of 2
Cooler Custody Seals Present?	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID. 2 | Correction Factor (°C) 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C) 2.4 | Corrected Temp (°C) 2.4

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HAR

City/State. CITY: Omaha STATE: NE | Project:

Receipt Information

Date/Time Received. DATE: 5/2/25 TIME: 1415 | Received By: XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other._____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 2 of 2

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE

Thermometer ID: 2 | Correction Factor (°C): 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 4.4 | Corrected Temp (°C): 4.4

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

Client Information	Sampler: Joel Fuhrmeister	Lab PM: Calhoun Conner M	Carrier Tracking No(s):	COC No: 310-105392-28018.1
Client Contact: Richard Wilson	Phone: 319-936-5194	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin:	Page: Page of
Company: HDR Inc	PWSID:	Analysis Requested		Job #:
Address: 1917 S 67th Street	Due Date Requested:			Preservation Codes: A HCL, N None, D HNO3, B NaOH, CB ZnAcetate/NaOH
City: Omaha	TAT Requested (days):			
State, Zip: NE 68106	Compliance Project: Δ Yes Δ No			
Phone: 402-392-6714(Tel)	PO #:			
Email: richard.wilson2@hdrinc.com	WO #:			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			Other:
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil,	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix 1	Appendix 2	TSS	Metals List As, Ba, Co, Cu, Pb, Ni	App 1 VOCs Only	Sulfide	Natural Attenuation: Nitrate sulfate TOC Fe Mn	Dichlorodifluorimethane 8260D	Bis(2-ethylhexyl) phthalate 8270E	Arsenic	Cobalt	Benzene only	Tetrachloroethene trichloroethene vinyl chloride-8260D	Total Number of containers	Special Instructions/Note
			Preservation Code:																		
WT-1	4-30-25	8:20	G	Water			X		X												Natural Attenuation = NITRATE, Sulfate TOC, 6020- Fe, Mn
WT-2	4-30-25	8:39	G	Water			X		X												
WT-3	4-30-25	8:55	G	Water			X		X												
WT-4	4-30-25	9:10	G	Water			X		X												
WT-DF	4-30-25	9:15	G	Water			X		X												
MW-200A	4-30-25	9:42	G	Water					X	X	X			X							
MW-110	4-30-25	10:11	G	Water					X							X					
MW-18AR	4-30-25	10:40	G	Water					X	X	X	X		X							
MW-39B	4-30-25	1227	G	Water			X		X												
MW-310A	4-30-25	1302	G	Water			X		X												
MW-312A	4-30-25	1339	G	Water			X		X												

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological	Return To Client Disposal By Lab Archive For Months
Deliverable Requested: I II III IV Other (specify)	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	5/2/25 11:55				
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time:	Company	Received by: [signature]	Date/Time: 5/2/25 1155	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) oC and Other Remarks:

[signature] 5/2/25 12/15

Ver: 05/06/2024

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax 319-277-2425

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-82703 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et.eurofinsus com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State - Iowa, State Program - Iowa		Job #: 310-305515-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 5/15/2025			
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes

Other: N/A

310-305515 COC

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code						
MW-18AR (310-305515-8)	4/30/25	10 40 Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time: 5 5 25 1140	Company	Received by: Stephanie Hernandez	Date/Time: 5/6/25 1115	Company: EET
	Relinquished by	Date/Time.	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 1.5+2.1

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305515-1
SDG Number:

Login Number: 305515
List Number: 1
Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305515-1
SDG Number:

Login Number: 305515
List Number: 2
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago
List Creation: 05/07/25 07:28 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Quantitation Limit Exceptions Summary

Client: HDR Inc
Job ID: 310-305515-1
Project/Site: Iowa City Landfill Spring 2025

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260D	1,2-Dibromo-3-Chloropropane	Water	Total/NA	ug/L	1.20	5
8260D	1,2-Dibromoethane (EDB)	Water	Total/NA	ug/L	0.340	1

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ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Wilson
HDR Inc
1917 S 67th Street
Omaha, Nebraska 68106

Generated 5/20/2025 1:34:41 PM

JOB DESCRIPTION

Iowa City Landfill Spring 2025

JOB NUMBER

310-305649-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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5/20/2025 1:34:41 PM

Authorized for release by
Conner Calhoun, Client Service Manager
Conner.Calhoun@et.eurofinsus.com
(319)277-2401

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 6
Detection Summary 7
Client Sample Results 8
Definitions 22
Surrogate Summary 23
QC Sample Results 26
QC Association 53
Chronicle 57
Certification Summary 59
Method Summary 61
Chain of Custody 62
Receipt Checklists 67
Detection Limit Exceptions Summary 70

Job Narrative
310-305649-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/6/2025 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.6°C and 2.1°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 310-454123 recovered outside of the control limits for Bromomethane (-22.9%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is impacted: (CCV 310-454123/4).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-454003 recovered outside of the control limits for 1,1-Dichloroethene (-20.4%D), 2,2-Dichloropropane (-21.9%D), and trans-1,2-Dichloroethene (-22.6%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 310-454003/3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 310-453954. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-453954 and analytical batch 310-454595 recovered outside control limits for the following analytes: 2,4-Dinitrophenol.

Method 8270E: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-453954 and analytical batch 310-454804 recovered outside control limits for the following analyte(s): 1,4-phenylenediamine. 1,4-phenylenediamine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-453954 and analytical batch 310-454804 recovered outside control limits for the following analytes: Chlorobenzilate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-453954 and analytical batch 310-454804 recovered outside control limits for the following analytes: 2,4-Dinitrophenol.

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-454804 recovered above the upper control limit for 2-Acetylaminofluorene(54.2%D), Chlorobenzilate(75.1%D), 2,4-Dinitrotoluene(25.8%D), Dinoseb(21.7%D), Ethyl Parathion(28.1%D), Methyl parathion(28.6%D), 3-Nitroaniline(22.5%D), o-Toluidine(28.7%D), 2,3,4,6-Tetrachlorophenol(21.1%D) and 2,4,6-Tribromophenol (Surr)(30.0%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-454804/2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
Method 8151A: The laboratory control sample (LCS) for preparation batch 410-642888 and analytical batch 410-643100 recovered outside control limits for the following analytes: Silvex (2,4,5-TP). The associated sample(s) was re-prepared and/or re-analyzed outside holding time and the LCS is within limits. Results are reported from the initial analysis.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-305649-1	MW-408	Ground Water	05/05/25 07:29	05/06/25 16:30
310-305649-2	MW-29A	Ground Water	05/05/25 07:56	05/06/25 16:30
310-305649-3	MW-210B	Ground Water	05/05/25 08:55	05/06/25 16:30

Detection Summary

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-408
Lab Sample ID: 310-305649-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.176		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000131	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Selenium	0.00229	J	0.00500	0.00140	mg/L	1		6020B	Total/NA
Vanadium	0.00239	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	5.63		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-29A
Lab Sample ID: 310-305649-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Silvex (2,4,5-TP)	0.0724	*-	0.0515	0.0227	ug/L	1		8151A	Total/NA
Antimony	0.00105	J	0.00200	0.00100	mg/L	1		6020B	Total/NA
Barium	0.286		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000298	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00753		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.13		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-210B
Lab Sample ID: 310-305649-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetonitrile	5.45	J	10.0	2.60	mg/L	1		8015C	Total/NA
Arsenic	0.00549		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.113		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00290		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000333	J	0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.0115		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	37.0		7.50	5.25	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-408
Lab Sample ID: 310-305649-1
Date Collected: 05/05/25 07:29
Matrix: Ground Water
Date Received: 05/06/25 16:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/09/25 11:24	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/09/25 11:24	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/09/25 11:24	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/09/25 11:24	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/09/25 11:24	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/09/25 11:24	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/09/25 11:24	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/09/25 11:24	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/09/25 11:24	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/09/25 11:24	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/09/25 11:24	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/09/25 11:24	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/09/25 11:24	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/09/25 11:24	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/09/25 11:24	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/09/25 11:24	1
Acetone	<10.0		10.0	3.10	ug/L			05/09/25 11:24	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/09/25 11:24	1
Benzene	<0.500		0.500	0.220	ug/L			05/09/25 11:24	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/09/25 11:24	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/09/25 11:24	1
Bromoform	<5.00		5.00	0.780	ug/L			05/09/25 11:24	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/09/25 11:24	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/09/25 11:24	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/09/25 11:24	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/09/25 11:24	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/09/25 11:24	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/09/25 11:24	1
Chloroform	<3.00		3.00	1.30	ug/L			05/09/25 11:24	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/09/25 11:24	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/09/25 11:24	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/09/25 11:24	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/09/25 11:24	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/09/25 11:24	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/09/25 11:24	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/09/25 11:24	1
Styrene	<1.00		1.00	0.370	ug/L			05/09/25 11:24	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/09/25 11:24	1
Toluene	<1.00		1.00	0.430	ug/L			05/09/25 11:24	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/09/25 11:24	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/09/25 11:24	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/09/25 11:24	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/09/25 11:24	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/09/25 11:24	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/09/25 11:24	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/09/25 11:24	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/09/25 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*94*		*76 - 130*		*05/08/25 01:46*	*1*

Client Sample ID: MW-408
Lab Sample ID: 310-305649-1
Date Collected: 05/05/25 07:29
Matrix: Ground Water
Date Received: 05/06/25 16:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*76 - 130*		*05/09/25 11:24*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/08/25 01:46*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/09/25 11:24*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/08/25 01:46*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*05/09/25 11:24*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/09/25 07:15	05/09/25 14:16	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/09/25 07:15	05/09/25 14:16	1
Barium	**0.176**		0.00200	0.000660	mg/L		05/09/25 07:15	05/09/25 14:16	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/09/25 07:15	05/09/25 14:16	1
Cadmium	**0.000131**	**J**	0.000200	0.000100	mg/L		05/09/25 07:15	05/09/25 14:16	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/09/25 07:15	05/09/25 14:16	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/09/25 07:15	05/09/25 14:16	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/09/25 07:15	05/09/25 14:16	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/09/25 07:15	05/09/25 14:16	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/09/25 07:15	05/09/25 14:16	1
Selenium	**0.00229**	**J**	0.00500	0.00140	mg/L		05/09/25 07:15	05/09/25 14:16	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/09/25 07:15	05/09/25 14:16	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/09/25 07:15	05/09/25 14:16	1
Vanadium	**0.00239**	**J**	0.00500	0.00170	mg/L		05/09/25 07:15	05/09/25 14:16	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/09/25 07:15	05/09/25 14:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**5.63**		1.88	1.31	mg/L			05/07/25 16:21	1

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-29A
Lab Sample ID: 310-305649-2
Date Collected: 05/05/25 07:56
Matrix: Ground Water
Date Received: 05/06/25 16:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/09/25 11:47	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/09/25 11:47	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/09/25 11:47	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/09/25 11:47	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/09/25 11:47	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/09/25 11:47	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/09/25 11:47	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/09/25 11:47	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/09/25 11:47	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/09/25 11:47	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/09/25 11:47	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/09/25 11:47	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/09/25 11:47	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/09/25 11:47	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/09/25 11:47	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/09/25 11:47	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/09/25 11:47	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/09/25 11:47	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/09/25 11:47	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/09/25 11:47	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/09/25 11:47	1
Acetone	<10.0		10.0	3.10	ug/L			05/09/25 11:47	1
Acrolein	<10.0		10.0	3.60	ug/L			05/09/25 11:47	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/09/25 11:47	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/09/25 11:47	1
Benzene	<0.500		0.500	0.220	ug/L			05/09/25 11:47	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/09/25 11:47	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/09/25 11:47	1
Bromoform	<5.00		5.00	0.780	ug/L			05/09/25 11:47	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/09/25 11:47	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/09/25 11:47	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/09/25 11:47	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/09/25 11:47	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/09/25 11:47	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/09/25 11:47	1
Chloroform	<3.00		3.00	1.30	ug/L			05/09/25 11:47	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/09/25 11:47	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/09/25 11:47	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/09/25 11:47	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/09/25 11:47	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/09/25 11:47	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/09/25 11:47	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/09/25 11:47	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/09/25 11:47	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/09/25 11:47	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/09/25 11:47	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/09/25 11:47	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/09/25 11:47	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/09/25 11:47	1

Client Sample ID: MW-29A
Lab Sample ID: 310-305649-2
Date Collected: 05/05/25 07:56
Matrix: Ground Water
Date Received: 05/06/25 16:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/09/25 11:47	1
Styrene	<1.00		1.00	0.370	ug/L			05/09/25 11:47	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/09/25 11:47	1
Toluene	<1.00		1.00	0.430	ug/L			05/09/25 11:47	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/09/25 11:47	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/09/25 11:47	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/09/25 11:47	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/09/25 11:47	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/09/25 11:47	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/09/25 11:47	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/09/25 11:47	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/09/25 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*91*		*76 - 130*		*05/08/25 02:09*	*1*
Dibromofluoromethane (Surr)	*111*		*76 - 130*		*05/09/25 11:47*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/08/25 02:09*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/09/25 11:47*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/08/25 02:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/09/25 11:47*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.2		10.2	0.653	ug/L		05/07/25 09:32	05/14/25 12:09	1
Acenaphthylene	<10.2		10.2	0.735	ug/L		05/07/25 09:32	05/14/25 12:09	1
Acetophenone	<10.2		10.2	0.704	ug/L		05/07/25 09:32	05/14/25 12:09	1
2-Acetylaminofluorene	<10.2		10.2	2.76	ug/L		05/07/25 09:32	05/15/25 19:08	1
4-Aminobiphenyl	<10.2		10.2	2.24	ug/L		05/07/25 09:32	05/15/25 19:08	1
Anthracene	<10.2		10.2	0.888	ug/L		05/07/25 09:32	05/14/25 12:09	1
Benzo[a]anthracene	<10.2		10.2	0.867	ug/L		05/07/25 09:32	05/14/25 12:09	1
Benzo[a]pyrene	<10.2		10.2	8.27	ug/L		05/07/25 09:32	05/14/25 12:09	1
Benzo[b]fluoranthene	<10.2		10.2	5.00	ug/L		05/07/25 09:32	05/14/25 12:09	1
Benzo[g,h,i]perylene	<10.2		10.2	6.43	ug/L		05/07/25 09:32	05/14/25 12:09	1
Benzo[k]fluoranthene	<10.2		10.2	2.24	ug/L		05/07/25 09:32	05/14/25 12:09	1
Benzyl alcohol	<10.2		10.2	1.33	ug/L		05/07/25 09:32	05/14/25 12:09	1
Bis(2-chloroethoxy)methane	<10.2		10.2	0.776	ug/L		05/07/25 09:32	05/14/25 12:09	1
Bis(2-chloroethyl)ether	<10.2		10.2	0.837	ug/L		05/07/25 09:32	05/14/25 12:09	1
bis (2-chloroisopropyl) ether	<10.2		10.2	0.551	ug/L		05/07/25 09:32	05/14/25 12:09	1
Bis(2-ethylhexyl) phthalate	<10.2		10.2	5.61	ug/L		05/07/25 09:32	05/14/25 12:09	1
4-Bromophenyl phenyl ether	<10.2		10.2	0.714	ug/L		05/07/25 09:32	05/14/25 12:09	1
Butyl benzyl phthalate	<10.2		10.2	5.51	ug/L		05/07/25 09:32	05/14/25 12:09	1
4-Chloroaniline	<10.2		10.2	0.633	ug/L		05/07/25 09:32	05/14/25 12:09	1
Chlorobenzilate	<10.2	*+	10.2	3.67	ug/L		05/07/25 09:32	05/15/25 19:08	1
4-Chloro-3-methylphenol	<10.2		10.2	0.857	ug/L		05/07/25 09:32	05/14/25 12:09	1
2-Chloronaphthalene	<10.2		10.2	0.653	ug/L		05/07/25 09:32	05/14/25 12:09	1
2-Chlorophenol	<10.2		10.2	0.551	ug/L		05/07/25 09:32	05/14/25 12:09	1
4-Chlorophenyl phenyl ether	<10.2		10.2	0.704	ug/L		05/07/25 09:32	05/14/25 12:09	1
Chrysene	<10.2		10.2	0.888	ug/L		05/07/25 09:32	05/14/25 12:09	1
Diallate	<10.2		10.2	4.08	ug/L		05/07/25 09:32	05/15/25 19:08	1
Dibenzo(a,h)anthracene	<10.2		10.2	3.98	ug/L		05/07/25 09:32	05/14/25 12:09	1

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-29A
Lab Sample ID: 310-305649-2
Date Collected: 05/05/25 07:56
Matrix: Ground Water
Date Received: 05/06/25 16:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<10.2		10.2	0.755	ug/L		05/07/25 09:32	05/14/25 12:09	1
3,3'-Dichlorobenzidine	<10.2		10.2	1.43	ug/L		05/07/25 09:32	05/14/25 12:09	1
2,4-Dichlorophenol	<10.2		10.2	0.867	ug/L		05/07/25 09:32	05/14/25 12:09	1
2,6-Dichlorophenol	<10.2		10.2	0.704	ug/L		05/07/25 09:32	05/14/25 12:09	1
Diethyl phthalate	<10.2		10.2	1.73	ug/L		05/07/25 09:32	05/14/25 12:09	1
Dimethoate	<10.2		10.2	3.67	ug/L		05/07/25 09:32	05/15/25 19:08	1
7,12-Dimethylbenz(a)anthracene	<10.2		10.2	1.94	ug/L		05/07/25 09:32	05/15/25 19:08	1
3,3'-Dimethylbenzidine	<10.2		10.2	1.53	ug/L		05/07/25 09:32	05/15/25 19:08	1
2,4-Dimethylphenol	<10.2		10.2	0.592	ug/L		05/07/25 09:32	05/14/25 12:09	1
Dimethyl phthalate	<10.2		10.2	1.02	ug/L		05/07/25 09:32	05/14/25 12:09	1
Di-n-butyl phthalate	<10.2		10.2	5.71	ug/L		05/07/25 09:32	05/14/25 12:09	1
1,3-Dinitrobenzene	<10.2		10.2	3.27	ug/L		05/07/25 09:32	05/14/25 12:09	1
4,6-Dinitro-2-methylphenol	<10.2		10.2	7.04	ug/L		05/07/25 09:32	05/14/25 12:09	1
2,4-Dinitrophenol	<20.4	*1	20.4	13.3	ug/L		05/07/25 09:32	05/14/25 12:09	1
2,4-Dinitrotoluene	<10.2		10.2	6.53	ug/L		05/07/25 09:32	05/14/25 12:09	1
2,6-Dinitrotoluene	<10.2		10.2	0.531	ug/L		05/07/25 09:32	05/14/25 12:09	1
Di-n-octyl phthalate	<20.4		20.4	7.14	ug/L		05/07/25 09:32	05/14/25 12:09	1
Dinoseb	<10.2		10.2	2.45	ug/L		05/07/25 09:32	05/15/25 19:08	1
Diphenylamine	<10.2		10.2	6.12	ug/L		05/07/25 09:32	05/14/25 12:09	1
Disulfoton	<10.2		10.2	2.45	ug/L		05/07/25 09:32	05/15/25 19:08	1
Ethyl methanesulfonate	<10.2		10.2	3.67	ug/L		05/07/25 09:32	05/15/25 19:08	1
Ethyl Parathion	<10.2		10.2	2.24	ug/L		05/07/25 09:32	05/15/25 19:08	1
Famphur	<10.2		10.2	3.88	ug/L		05/07/25 09:32	05/15/25 10:49	1
Fluoranthene	<10.2		10.2	1.73	ug/L		05/07/25 09:32	05/14/25 12:09	1
Fluorene	<10.2		10.2	0.806	ug/L		05/07/25 09:32	05/14/25 12:09	1
Hexachlorobenzene	<10.2		10.2	0.714	ug/L		05/07/25 09:32	05/14/25 12:09	1
Hexachlorobutadiene	<10.2		10.2	0.878	ug/L		05/07/25 09:32	05/14/25 12:09	1
Hexachlorocyclopentadiene	<10.2		10.2	5.20	ug/L		05/07/25 09:32	05/14/25 12:09	1
Hexachloroethane	<10.2		10.2	0.990	ug/L		05/07/25 09:32	05/14/25 12:09	1
Hexachloropropene	<10.2		10.2	2.65	ug/L		05/07/25 09:32	05/15/25 19:08	1
Indeno[1,2,3-cd]pyrene	<10.2		10.2	4.29	ug/L		05/07/25 09:32	05/14/25 12:09	1
Isodrin	<10.2		10.2	4.80	ug/L		05/07/25 09:32	05/15/25 19:08	1
Isophorone	<10.2		10.2	0.949	ug/L		05/07/25 09:32	05/14/25 12:09	1
Isosafrole	<10.2		10.2	2.35	ug/L		05/07/25 09:32	05/15/25 19:08	1
Kepone	<10.2		10.2	1.02	ug/L		05/07/25 09:32	05/15/25 19:08	1
Methapyrilene	<10.2		10.2	0.776	ug/L		05/07/25 09:32	05/15/25 19:08	1
3-Methylcholanthrene	<10.2		10.2	0.327	ug/L		05/07/25 09:32	05/15/25 19:08	1
Methyl methanesulfonate	<10.2		10.2	3.37	ug/L		05/07/25 09:32	05/15/25 19:08	1
2-Methylnaphthalene	<10.2		10.2	0.602	ug/L		05/07/25 09:32	05/14/25 12:09	1
Methyl parathion	<10.2		10.2	2.35	ug/L		05/07/25 09:32	05/15/25 19:08	1
2-Methylphenol	<10.2		10.2	0.663	ug/L		05/07/25 09:32	05/14/25 12:09	1
Methylphenol, 3 & 4	<10.2		10.2	0.714	ug/L		05/07/25 09:32	05/14/25 12:09	1
1,4-Naphthoquinone	<10.2		10.2	3.67	ug/L		05/07/25 09:32	05/15/25 19:08	1
1-Naphthylamine	<10.2		10.2	2.55	ug/L		05/07/25 09:32	05/15/25 19:08	1
2-Naphthylamine	<10.2		10.2	2.14	ug/L		05/07/25 09:32	05/15/25 19:08	1
2-Nitroaniline	<10.2		10.2	6.02	ug/L		05/07/25 09:32	05/14/25 12:09	1
3-Nitroaniline	<10.2		10.2	2.76	ug/L		05/07/25 09:32	05/14/25 12:09	1
4-Nitroaniline	<10.2		10.2	1.33	ug/L		05/07/25 09:32	05/14/25 12:09	1
Nitrobenzene	<10.2		10.2	0.816	ug/L		05/07/25 09:32	05/14/25 12:09	1

Client Sample ID: MW-29A
Lab Sample ID: 310-305649-2
Date Collected: 05/05/25 07:56
Matrix: Ground Water
Date Received: 05/06/25 16:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5-Nitro-o-toluidine	<10.2		10.2	2.86	ug/L		05/07/25 09:32	05/15/25 19:08	1
2-Nitrophenol	<10.2		10.2	6.94	ug/L		05/07/25 09:32	05/14/25 12:09	1
4-Nitrophenol	<10.2		10.2	7.76	ug/L		05/07/25 09:32	05/14/25 12:09	1
N-Nitrosodiethylamine	<10.2		10.2	3.47	ug/L		05/07/25 09:32	05/15/25 19:08	1
N-Nitrosodimethylamine	<10.2		10.2	0.735	ug/L		05/07/25 09:32	05/14/25 12:09	1
N-Nitrosodi-n-butylamine	<10.2		10.2	3.98	ug/L		05/07/25 09:32	05/15/25 19:08	1
N-Nitrosodi-n-propylamine	<10.2		10.2	0.939	ug/L		05/07/25 09:32	05/14/25 12:09	1
N-Nitrosodiphenylamine	<10.2		10.2	0.765	ug/L		05/07/25 09:32	05/14/25 12:09	1
N-Nitrosomethylethylamine	<10.2		10.2	5.00	ug/L		05/07/25 09:32	05/15/25 19:08	1
N-Nitrosopiperidine	<10.2		10.2	2.76	ug/L		05/07/25 09:32	05/15/25 19:08	1
N-Nitrosopyrrolidine	<10.2		10.2	3.67	ug/L		05/07/25 09:32	05/15/25 19:08	1
o,o',o''-Triethylphosphorothioate	<10.2		10.2	3.27	ug/L		05/07/25 09:32	05/15/25 19:08	1
o-Toluidine	<10.2		10.2	2.96	ug/L		05/07/25 09:32	05/15/25 19:08	1
p-Dimethylamino azobenzene	<10.2		10.2	2.24	ug/L		05/07/25 09:32	05/15/25 19:08	1
Pentachlorobenzene	<10.2		10.2	2.86	ug/L		05/07/25 09:32	05/15/25 19:08	1
Pentachloronitrobenzene	<10.2		10.2	5.92	ug/L		05/07/25 09:32	05/15/25 19:08	1
Pentachlorophenol	<10.2		10.2	9.80	ug/L		05/07/25 09:32	05/14/25 12:09	1
Phenacetin	<10.2		10.2	1.94	ug/L		05/07/25 09:32	05/15/25 19:08	1
Phenanthrene	<10.2		10.2	0.806	ug/L		05/07/25 09:32	05/14/25 12:09	1
Phenol	<10.2		10.2	1.12	ug/L		05/07/25 09:32	05/14/25 12:09	1
1,4-phenylenediamine	<10.2	*-	10.2	1.94	ug/L		05/07/25 09:32	05/15/25 19:08	1
Phorate	<10.2		10.2	3.27	ug/L		05/07/25 09:32	05/15/25 19:08	1
Pronamide	<10.2		10.2	2.76	ug/L		05/07/25 09:32	05/15/25 19:08	1
Pyrene	<10.2		10.2	0.806	ug/L		05/07/25 09:32	05/14/25 12:09	1
Safrole	<10.2		10.2	2.86	ug/L		05/07/25 09:32	05/15/25 19:08	1
1,2,4,5-Tetrachlorobenzene	<10.2		10.2	0.551	ug/L		05/07/25 09:32	05/14/25 12:09	1
2,3,4,6-Tetrachlorophenol	<10.2		10.2	5.41	ug/L		05/07/25 09:32	05/14/25 12:09	1
Thionazin	<10.2		10.2	3.57	ug/L		05/07/25 09:32	05/15/25 19:08	1
2,4,5-Trichlorophenol	<10.2		10.2	5.41	ug/L		05/07/25 09:32	05/14/25 12:09	1
2,4,6-Trichlorophenol	<10.2		10.2	5.10	ug/L		05/07/25 09:32	05/14/25 12:09	1
1,3,5-Trinitrobenzene	<10.2		10.2	2.35	ug/L		05/07/25 09:32	05/15/25 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*39 - 118*	*05/07/25 09:32*	*05/14/25 12:09*	*1*
2-Fluorobiphenyl (Surr)	*73*		*39 - 118*	*05/07/25 09:32*	*05/15/25 19:08*	*1*
2-Fluorophenol (Surr)	*45*		*25 - 110*	*05/07/25 09:32*	*05/14/25 12:09*	*1*
2-Fluorophenol (Surr)	*46*		*25 - 110*	*05/07/25 09:32*	*05/15/25 19:08*	*1*
Nitrobenzene-d5 (Surr)	*66*		*45 - 129*	*05/07/25 09:32*	*05/14/25 12:09*	*1*
Nitrobenzene-d5 (Surr)	*64*		*45 - 129*	*05/07/25 09:32*	*05/15/25 19:08*	*1*
Phenol-d5 (Surr)	*46*		*21 - 110*	*05/07/25 09:32*	*05/14/25 12:09*	*1*
Phenol-d5 (Surr)	*46*		*21 - 110*	*05/07/25 09:32*	*05/15/25 19:08*	*1*
Terphenyl-d14 (Surr)	*66*		*12 - 144*	*05/07/25 09:32*	*05/14/25 12:09*	*1*
Terphenyl-d14 (Surr)	*73*		*12 - 144*	*05/07/25 09:32*	*05/15/25 19:08*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*27 - 136*	*05/07/25 09:32*	*05/14/25 12:09*	*1*
2,4,6-Tribromophenol (Surr)	*64*		*27 - 136*	*05/07/25 09:32*	*05/15/25 19:08*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/09/25 13:43	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/09/25 13:43	1

Client Sample ID: MW-29A
Lab Sample ID: 310-305649-2

Date Collected: 05/05/25 07:56
Matrix: Ground Water
Date Received: 05/06/25 16:30

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0895		0.0895	0.0224	ug/L		05/07/25 08:44	05/07/25 15:27	1
4,4'-DDE	<0.0895		0.0895	0.0269	ug/L		05/07/25 08:44	05/07/25 15:27	1
4,4'-DDT	<0.0895		0.0895	0.0179	ug/L		05/07/25 08:44	05/07/25 15:27	1
Aldrin	<0.0895		0.0895	0.0197	ug/L		05/07/25 08:44	05/07/25 15:27	1
alpha-BHC	<0.0895		0.0895	0.00895	ug/L		05/07/25 08:44	05/07/25 15:27	1
beta-BHC	<0.0895		0.0895	0.0376	ug/L		05/07/25 08:44	05/07/25 15:27	1
Chlordane (technical)	<1.79		1.79	0.349	ug/L		05/07/25 08:44	05/07/25 15:27	1
delta-BHC	<0.0895		0.0895	0.0286	ug/L		05/07/25 08:44	05/07/25 15:27	1
Dieldrin	<0.0895		0.0895	0.0188	ug/L		05/07/25 08:44	05/07/25 15:27	1
Endosulfan I	<0.0895		0.0895	0.0251	ug/L		05/07/25 08:44	05/07/25 15:27	1
Endosulfan II	<0.0895		0.0895	0.0233	ug/L		05/07/25 08:44	05/07/25 15:27	1
Endosulfan sulfate	<0.0895		0.0895	0.0161	ug/L		05/07/25 08:44	05/07/25 15:27	1
Endrin	<0.0895		0.0895	0.0251	ug/L		05/07/25 08:44	05/07/25 15:27	1
Endrin aldehyde	<0.0895		0.0895	0.0242	ug/L		05/07/25 08:44	05/07/25 15:27	1
gamma-BHC (Lindane)	<0.0895		0.0895	0.00895	ug/L		05/07/25 08:44	05/07/25 15:27	1
Heptachlor	<0.0895		0.0895	0.0206	ug/L		05/07/25 08:44	05/07/25 15:27	1
Heptachlor epoxide	<0.0895		0.0895	0.0286	ug/L		05/07/25 08:44	05/07/25 15:27	1
Methoxychlor	<0.0895		0.0895	0.0286	ug/L		05/07/25 08:44	05/07/25 15:27	1
Toxaphene	<1.79		1.79	0.895	ug/L		05/07/25 08:44	05/07/25 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*10 - 150*	*05/07/25 08:44*	*05/07/25 15:27*	*1*
Tetrachloro-m-xylene	*73*		*17 - 150*	*05/07/25 08:44*	*05/07/25 15:27*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.79		1.79	0.734	ug/L		05/07/25 08:44	05/07/25 15:27	1
PCB-1221	<1.79		1.79	0.734	ug/L		05/07/25 08:44	05/07/25 15:27	1
PCB-1232	<1.79		1.79	0.734	ug/L		05/07/25 08:44	05/07/25 15:27	1
PCB-1242	<1.79		1.79	0.734	ug/L		05/07/25 08:44	05/07/25 15:27	1
PCB-1248	<1.79		1.79	0.618	ug/L		05/07/25 08:44	05/07/25 15:27	1
PCB-1254	<1.79		1.79	0.618	ug/L		05/07/25 08:44	05/07/25 15:27	1
PCB-1260	<1.79		1.79	0.618	ug/L		05/07/25 08:44	05/07/25 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*10 - 150*	*05/07/25 08:44*	*05/07/25 15:27*	*1*
Tetrachloro-m-xylene	*73*		*17 - 150*	*05/07/25 08:44*	*05/07/25 15:27*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.618		0.618	0.258	ug/L		05/12/25 15:09	05/13/25 11:13	1
Silvex (2,4,5-TP)	**0.0724**	***-**	0.0515	0.0227	ug/L		05/12/25 15:09	05/13/25 11:13	1
2,4,5-T	<0.155		0.155	0.0670	ug/L		05/12/25 15:09	05/13/25 11:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*61*		*34 - 142*	*05/12/25 15:09*	*05/13/25 11:13*	*1*
DCAA	*59*		*34 - 142*	*05/12/25 15:09*	*05/13/25 11:13*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00105**	**J**	0.00200	0.00100	mg/L		05/09/25 07:15	05/09/25 14:13	1

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-29A
Lab Sample ID: 310-305649-2
Date Collected: 05/05/25 07:56
Matrix: Ground Water
Date Received: 05/06/25 16:30

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/09/25 07:15	05/09/25 14:13	1
Barium	**0.286**		0.00200	0.000660	mg/L		05/09/25 07:15	05/09/25 14:13	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/09/25 07:15	05/09/25 14:13	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/09/25 07:15	05/09/25 14:13	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/09/25 07:15	05/09/25 14:13	1
Cobalt	**0.000298**	**J**	0.000500	0.000170	mg/L		05/09/25 07:15	05/09/25 14:13	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/09/25 07:15	05/09/25 14:13	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/09/25 07:15	05/09/25 14:13	1
Nickel	**0.00753**		0.00500	0.00230	mg/L		05/09/25 07:15	05/09/25 14:13	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/09/25 07:15	05/09/25 14:13	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/09/25 07:15	05/09/25 14:13	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/09/25 07:15	05/09/25 14:13	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/09/25 07:15	05/09/25 14:13	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/09/25 07:15	05/09/25 14:13	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/09/25 07:15	05/09/25 14:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/14/25 08:46	05/14/25 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/09/25 09:40	05/09/25 19:24	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/08/25 23:17	1
Total Suspended Solids (USGS I-3765-85)	**2.13**		1.88	1.31	mg/L			05/07/25 16:21	1

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-210B
Lab Sample ID: 310-305649-3
Date Collected: 05/05/25 08:55
Matrix: Ground Water
Date Received: 05/06/25 16:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/09/25 12:09	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/09/25 12:09	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/09/25 12:09	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/09/25 12:09	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/09/25 12:09	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/09/25 12:09	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/09/25 12:09	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/09/25 12:09	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/09/25 12:09	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/09/25 12:09	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/09/25 12:09	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/09/25 12:09	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/09/25 12:09	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/09/25 12:09	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/09/25 12:09	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/09/25 12:09	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/09/25 12:09	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/09/25 12:09	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/09/25 12:09	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/09/25 12:09	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/09/25 12:09	1
Acetone	<10.0		10.0	3.10	ug/L			05/09/25 12:09	1
Acrolein	<10.0		10.0	3.60	ug/L			05/09/25 12:09	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/09/25 12:09	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/09/25 12:09	1
Benzene	<0.500		0.500	0.220	ug/L			05/09/25 12:09	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/09/25 12:09	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/09/25 12:09	1
Bromoform	<5.00		5.00	0.780	ug/L			05/09/25 12:09	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/09/25 12:09	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/09/25 12:09	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/09/25 12:09	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/09/25 12:09	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/09/25 12:09	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/09/25 12:09	1
Chloroform	<3.00		3.00	1.30	ug/L			05/09/25 12:09	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/09/25 12:09	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/09/25 12:09	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/09/25 12:09	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/09/25 12:09	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/09/25 12:09	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/09/25 12:09	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/09/25 12:09	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/09/25 12:09	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/09/25 12:09	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/09/25 12:09	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/09/25 12:09	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/09/25 12:09	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/09/25 12:09	1

Client Sample ID: MW-210B
Lab Sample ID: 310-305649-3
Date Collected: 05/05/25 08:55
Matrix: Ground Water
Date Received: 05/06/25 16:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/09/25 12:09	1
Styrene	<1.00		1.00	0.370	ug/L			05/09/25 12:09	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/09/25 12:09	1
Toluene	<1.00		1.00	0.430	ug/L			05/09/25 12:09	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/09/25 12:09	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/09/25 12:09	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/09/25 12:09	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/09/25 12:09	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/09/25 12:09	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/09/25 12:09	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/09/25 12:09	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/09/25 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*91*		*76 - 130*		*05/08/25 02:32*	*1*
Dibromofluoromethane (Surr)	*109*		*76 - 130*		*05/09/25 12:09*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/08/25 02:32*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/09/25 12:09*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/08/25 02:32*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*05/09/25 12:09*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		05/07/25 09:32	05/14/25 12:40	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		05/07/25 09:32	05/14/25 12:40	1
Acetophenone	<10.0		10.0	0.690	ug/L		05/07/25 09:32	05/14/25 12:40	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		05/07/25 09:32	05/15/25 19:35	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		05/07/25 09:32	05/15/25 19:35	1
Anthracene	<10.0		10.0	0.870	ug/L		05/07/25 09:32	05/14/25 12:40	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		05/07/25 09:32	05/14/25 12:40	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		05/07/25 09:32	05/14/25 12:40	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		05/07/25 09:32	05/14/25 12:40	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		05/07/25 09:32	05/14/25 12:40	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		05/07/25 09:32	05/14/25 12:40	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		05/07/25 09:32	05/14/25 12:40	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		05/07/25 09:32	05/14/25 12:40	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		05/07/25 09:32	05/14/25 12:40	1
bis (2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		05/07/25 09:32	05/14/25 12:40	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		05/07/25 09:32	05/14/25 12:40	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		05/07/25 09:32	05/14/25 12:40	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		05/07/25 09:32	05/14/25 12:40	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		05/07/25 09:32	05/14/25 12:40	1
Chlorobenzilate	<10.0	*+	10.0	3.60	ug/L		05/07/25 09:32	05/15/25 19:35	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		05/07/25 09:32	05/14/25 12:40	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		05/07/25 09:32	05/14/25 12:40	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		05/07/25 09:32	05/14/25 12:40	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		05/07/25 09:32	05/14/25 12:40	1
Chrysene	<10.0		10.0	0.870	ug/L		05/07/25 09:32	05/14/25 12:40	1
Diallate	<10.0		10.0	4.00	ug/L		05/07/25 09:32	05/15/25 19:35	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		05/07/25 09:32	05/14/25 12:40	1

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-210B
Lab Sample ID: 310-305649-3
Date Collected: 05/05/25 08:55
Matrix: Ground Water
Date Received: 05/06/25 16:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<10.0		10.0	0.740	ug/L		05/07/25 09:32	05/14/25 12:40	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		05/07/25 09:32	05/14/25 12:40	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		05/07/25 09:32	05/14/25 12:40	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		05/07/25 09:32	05/14/25 12:40	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		05/07/25 09:32	05/14/25 12:40	1
Dimethoate	<10.0		10.0	3.60	ug/L		05/07/25 09:32	05/15/25 19:35	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		05/07/25 09:32	05/15/25 19:35	1
3,3'-Dimethylbenzidine	<10.0		10.0	1.50	ug/L		05/07/25 09:32	05/15/25 19:35	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		05/07/25 09:32	05/14/25 12:40	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		05/07/25 09:32	05/14/25 12:40	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		05/07/25 09:32	05/14/25 12:40	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		05/07/25 09:32	05/14/25 12:40	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		05/07/25 09:32	05/14/25 12:40	1
2,4-Dinitrophenol	<20.0	*1	20.0	13.0	ug/L		05/07/25 09:32	05/14/25 12:40	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		05/07/25 09:32	05/14/25 12:40	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		05/07/25 09:32	05/14/25 12:40	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		05/07/25 09:32	05/14/25 12:40	1
Dinoseb	<10.0		10.0	2.40	ug/L		05/07/25 09:32	05/15/25 19:35	1
Diphenylamine	<10.0		10.0	6.00	ug/L		05/07/25 09:32	05/14/25 12:40	1
Disulfoton	<10.0		10.0	2.40	ug/L		05/07/25 09:32	05/15/25 19:35	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		05/07/25 09:32	05/15/25 19:35	1
Ethyl Parathion	<10.0		10.0	2.20	ug/L		05/07/25 09:32	05/15/25 19:35	1
Famphur	<10.0		10.0	3.80	ug/L		05/07/25 09:32	05/15/25 11:08	1
Fluoranthene	<10.0		10.0	1.70	ug/L		05/07/25 09:32	05/14/25 12:40	1
Fluorene	<10.0		10.0	0.790	ug/L		05/07/25 09:32	05/14/25 12:40	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		05/07/25 09:32	05/14/25 12:40	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		05/07/25 09:32	05/14/25 12:40	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		05/07/25 09:32	05/14/25 12:40	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		05/07/25 09:32	05/14/25 12:40	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		05/07/25 09:32	05/15/25 19:35	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		05/07/25 09:32	05/14/25 12:40	1
Isodrin	<10.0		10.0	4.70	ug/L		05/07/25 09:32	05/15/25 19:35	1
Isophorone	<10.0		10.0	0.930	ug/L		05/07/25 09:32	05/14/25 12:40	1
Isosafrole	<10.0		10.0	2.30	ug/L		05/07/25 09:32	05/15/25 19:35	1
Kepone	<10.0		10.0	1.00	ug/L		05/07/25 09:32	05/15/25 19:35	1
Methapyrilene	<10.0		10.0	0.760	ug/L		05/07/25 09:32	05/15/25 19:35	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		05/07/25 09:32	05/15/25 19:35	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		05/07/25 09:32	05/15/25 19:35	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		05/07/25 09:32	05/14/25 12:40	1
Methyl parathion	<10.0		10.0	2.30	ug/L		05/07/25 09:32	05/15/25 19:35	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		05/07/25 09:32	05/14/25 12:40	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		05/07/25 09:32	05/14/25 12:40	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		05/07/25 09:32	05/15/25 19:35	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		05/07/25 09:32	05/15/25 19:35	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		05/07/25 09:32	05/15/25 19:35	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		05/07/25 09:32	05/14/25 12:40	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		05/07/25 09:32	05/14/25 12:40	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		05/07/25 09:32	05/14/25 12:40	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		05/07/25 09:32	05/14/25 12:40	1

Client Sample ID: MW-210B
Lab Sample ID: 310-305649-3
Date Collected: 05/05/25 08:55
Matrix: Ground Water
Date Received: 05/06/25 16:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		05/07/25 09:32	05/15/25 19:35	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		05/07/25 09:32	05/14/25 12:40	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		05/07/25 09:32	05/14/25 12:40	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		05/07/25 09:32	05/15/25 19:35	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		05/07/25 09:32	05/14/25 12:40	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		05/07/25 09:32	05/15/25 19:35	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		05/07/25 09:32	05/14/25 12:40	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		05/07/25 09:32	05/14/25 12:40	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		05/07/25 09:32	05/15/25 19:35	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		05/07/25 09:32	05/15/25 19:35	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		05/07/25 09:32	05/15/25 19:35	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		05/07/25 09:32	05/15/25 19:35	1
o-Toluidine	<10.0		10.0	2.90	ug/L		05/07/25 09:32	05/15/25 19:35	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		05/07/25 09:32	05/15/25 19:35	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		05/07/25 09:32	05/15/25 19:35	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		05/07/25 09:32	05/15/25 19:35	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		05/07/25 09:32	05/14/25 12:40	1
Phenacetin	<10.0		10.0	1.90	ug/L		05/07/25 09:32	05/15/25 19:35	1
Phenanthrene	<10.0		10.0	0.790	ug/L		05/07/25 09:32	05/14/25 12:40	1
Phenol	<10.0		10.0	1.10	ug/L		05/07/25 09:32	05/14/25 12:40	1
1,4-phenylenediamine	<10.0	*-	10.0	1.90	ug/L		05/07/25 09:32	05/15/25 19:35	1
Phorate	<10.0		10.0	3.20	ug/L		05/07/25 09:32	05/15/25 19:35	1
Pronamide	<10.0		10.0	2.70	ug/L		05/07/25 09:32	05/15/25 19:35	1
Pyrene	<10.0		10.0	0.790	ug/L		05/07/25 09:32	05/14/25 12:40	1
Safrole	<10.0		10.0	2.80	ug/L		05/07/25 09:32	05/15/25 19:35	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		05/07/25 09:32	05/14/25 12:40	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		05/07/25 09:32	05/14/25 12:40	1
Thionazin	<10.0		10.0	3.50	ug/L		05/07/25 09:32	05/15/25 19:35	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		05/07/25 09:32	05/14/25 12:40	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		05/07/25 09:32	05/14/25 12:40	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		05/07/25 09:32	05/15/25 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*39 - 118*	*05/07/25 09:32*	*05/14/25 12:40*	*1*
2-Fluorobiphenyl (Surr)	*74*		*39 - 118*	*05/07/25 09:32*	*05/15/25 19:35*	*1*
2-Fluorophenol (Surr)	*49*		*25 - 110*	*05/07/25 09:32*	*05/14/25 12:40*	*1*
2-Fluorophenol (Surr)	*49*		*25 - 110*	*05/07/25 09:32*	*05/15/25 19:35*	*1*
Nitrobenzene-d5 (Surr)	*69*		*45 - 129*	*05/07/25 09:32*	*05/14/25 12:40*	*1*
Nitrobenzene-d5 (Surr)	*68*		*45 - 129*	*05/07/25 09:32*	*05/15/25 19:35*	*1*
Phenol-d5 (Surr)	*45*		*21 - 110*	*05/07/25 09:32*	*05/14/25 12:40*	*1*
Phenol-d5 (Surr)	*45*		*21 - 110*	*05/07/25 09:32*	*05/15/25 19:35*	*1*
Terphenyl-d14 (Surr)	*67*		*12 - 144*	*05/07/25 09:32*	*05/14/25 12:40*	*1*
Terphenyl-d14 (Surr)	*78*		*12 - 144*	*05/07/25 09:32*	*05/15/25 19:35*	*1*
2,4,6-Tribromophenol (Surr)	*63*		*27 - 136*	*05/07/25 09:32*	*05/14/25 12:40*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*27 - 136*	*05/07/25 09:32*	*05/15/25 19:35*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	**5.45**	**J**	10.0	2.60	mg/L			05/09/25 14:03	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/09/25 14:03	1

Client Sample ID: MW-210B
Lab Sample ID: 310-305649-3
Date Collected: 05/05/25 08:55
Matrix: Ground Water
Date Received: 05/06/25 16:30

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0904		0.0904	0.0226	ug/L		05/07/25 08:44	05/07/25 14:22	1
4,4'-DDE	<0.0904		0.0904	0.0271	ug/L		05/07/25 08:44	05/07/25 14:22	1
4,4'-DDT	<0.0904		0.0904	0.0181	ug/L		05/07/25 08:44	05/07/25 14:22	1
Aldrin	<0.0904		0.0904	0.0199	ug/L		05/07/25 08:44	05/07/25 14:22	1
alpha-BHC	<0.0904		0.0904	0.00904	ug/L		05/07/25 08:44	05/07/25 14:22	1
beta-BHC	<0.0904		0.0904	0.0380	ug/L		05/07/25 08:44	05/07/25 14:22	1
Chlordane (technical)	<1.81		1.81	0.353	ug/L		05/07/25 08:44	05/07/25 14:22	1
delta-BHC	<0.0904		0.0904	0.0289	ug/L		05/07/25 08:44	05/07/25 14:22	1
Dieldrin	<0.0904		0.0904	0.0190	ug/L		05/07/25 08:44	05/07/25 14:22	1
Endosulfan I	<0.0904		0.0904	0.0253	ug/L		05/07/25 08:44	05/07/25 14:22	1
Endosulfan II	<0.0904		0.0904	0.0235	ug/L		05/07/25 08:44	05/07/25 14:22	1
Endosulfan sulfate	<0.0904		0.0904	0.0163	ug/L		05/07/25 08:44	05/07/25 14:22	1
Endrin	<0.0904		0.0904	0.0253	ug/L		05/07/25 08:44	05/07/25 14:22	1
Endrin aldehyde	<0.0904		0.0904	0.0244	ug/L		05/07/25 08:44	05/07/25 14:22	1
gamma-BHC (Lindane)	<0.0904		0.0904	0.00904	ug/L		05/07/25 08:44	05/07/25 14:22	1
Heptachlor	<0.0904		0.0904	0.0208	ug/L		05/07/25 08:44	05/07/25 14:22	1
Heptachlor epoxide	<0.0904		0.0904	0.0289	ug/L		05/07/25 08:44	05/07/25 14:22	1
Methoxychlor	<0.0904		0.0904	0.0289	ug/L		05/07/25 08:44	05/07/25 14:22	1
Toxaphene	<1.81		1.81	0.904	ug/L		05/07/25 08:44	05/07/25 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*35*		*10 - 150*	*05/07/25 08:44*	*05/07/25 14:22*	*1*
Tetrachloro-m-xylene	*69*		*17 - 150*	*05/07/25 08:44*	*05/07/25 14:22*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.81		1.81	0.742	ug/L		05/07/25 08:44	05/07/25 14:22	1
PCB-1221	<1.81		1.81	0.742	ug/L		05/07/25 08:44	05/07/25 14:22	1
PCB-1232	<1.81		1.81	0.742	ug/L		05/07/25 08:44	05/07/25 14:22	1
PCB-1242	<1.81		1.81	0.742	ug/L		05/07/25 08:44	05/07/25 14:22	1
PCB-1248	<1.81		1.81	0.624	ug/L		05/07/25 08:44	05/07/25 14:22	1
PCB-1254	<1.81		1.81	0.624	ug/L		05/07/25 08:44	05/07/25 14:22	1
PCB-1260	<1.81		1.81	0.624	ug/L		05/07/25 08:44	05/07/25 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*35*		*10 - 150*	*05/07/25 08:44*	*05/07/25 14:22*	*1*
Tetrachloro-m-xylene	*69*		*17 - 150*	*05/07/25 08:44*	*05/07/25 14:22*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.602		0.602	0.251	ug/L		05/12/25 15:09	05/13/25 11:41	1
Silvex (2,4,5-TP)	<0.0501	*-	0.0501	0.0221	ug/L		05/12/25 15:09	05/13/25 11:41	1
2,4,5-T	<0.150		0.150	0.0652	ug/L		05/12/25 15:09	05/13/25 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*48*		*34 - 142*	*05/12/25 15:09*	*05/13/25 11:41*	*1*
DCAA	*46*		*34 - 142*	*05/12/25 15:09*	*05/13/25 11:41*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/09/25 07:15	05/09/25 14:56	1

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-210B
Lab Sample ID: 310-305649-3
Date Collected: 05/05/25 08:55
Matrix: Ground Water
Date Received: 05/06/25 16:30

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00549**		0.00200	0.000530	mg/L		05/09/25 07:15	05/09/25 14:56	1
Barium	**0.113**		0.00200	0.000660	mg/L		05/09/25 07:15	05/09/25 14:56	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/09/25 07:15	05/09/25 14:56	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/09/25 07:15	05/09/25 14:56	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/09/25 07:15	05/09/25 14:56	1
Cobalt	**0.00290**		0.000500	0.000170	mg/L		05/09/25 07:15	05/09/25 14:56	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/09/25 07:15	05/09/25 14:56	1
Lead	**0.000333**	**J**	0.000500	0.000330	mg/L		05/09/25 07:15	05/09/25 14:56	1
Nickel	**0.0115**		0.00500	0.00230	mg/L		05/09/25 07:15	05/09/25 14:56	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/09/25 07:15	05/09/25 14:56	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/09/25 07:15	05/09/25 14:56	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/09/25 07:15	05/09/25 14:56	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/09/25 07:15	05/09/25 14:56	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/09/25 07:15	05/09/25 14:56	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/09/25 07:15	05/09/25 14:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/14/25 08:46	05/14/25 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/09/25 09:40	05/09/25 19:26	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/08/25 23:21	1
Total Suspended Solids (USGS I-3765-85)	**37.0**		7.50	5.25	mg/L			05/07/25 18:48	1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-305649-1	MW-408	94	101	95
310-305649-1	MW-408	104	98	103
310-305649-2	MW-29A	91	103	96
310-305649-2	MW-29A	111	96	100
310-305649-3	MW-210B	91	100	96
310-305649-3	MW-210B	109	96	102

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
LCS 310-454003/7	Lab Control Sample	93	101	105
LCS 310-454003/8	Lab Control Sample	90	97	102
LCS 310-454123/7	Lab Control Sample	97	103	99
LCS 310-454123/8	Lab Control Sample	111	96	103
MB 310-454003/6	Method Blank	88	99	105
MB 310-454123/6	Method Blank	108	99	100

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(39-118)	(25-110)	(45-129)	(21-110)	(12-144)	(27-136)
310-305649-2	MW-29A	71	45	66	46	66	58
310-305649-2	MW-29A	73	46	64	46	73	64
310-305649-3	MW-210B	71	49	69	45	67	63
310-305649-3	MW-210B	74	49	68	45	78	77

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Surrogate Summary

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(39-118)	(25-110)	(45-129)	(21-110)	(12-144)	(27-136)
LCS 310-453954/2-A	Lab Control Sample	83	65	82	55	78	87
LCS 310-453954/2-A	Lab Control Sample	86	67	76	56	82	121
LCSD 310-453954/3-A	Lab Control Sample Dup	75	64	75	53	77	83
LCSD 310-453954/3-A	Lab Control Sample Dup	80	62	71	54	79	110
MB 310-453954/1-A	Method Blank	89	67	86	63	80	85
MB 310-453954/1-A	Method Blank	90	70	82	62	96	109

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-305649-2	MW-29A	66	73
310-305649-2 MS	MW-29A	59	84
310-305649-2 MSD	MW-29A	69	80
310-305649-3	MW-210B	35	69

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
LCS 310-453945/2-A	Lab Control Sample	67	63
MB 310-453945/1-A	Method Blank	82	71

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-305649-2	MW-29A	66	73
310-305649-3	MW-210B	35	69
310-305649-3 MS	MW-210B	47	58
310-305649-3 MSD	MW-210B	51	52

Surrogate Summary

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		DCB1	TCX1								
Lab Sample ID	Client Sample ID	(10-150)	(17-150)								
LCS 310-453945/6-A	Lab Control Sample	59	57								
MB 310-453945/1-A	Method Blank	82	71								

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		DCPAA1	DCPAA2								
Lab Sample ID	Client Sample ID	(34-142)	(34-142)								
310-305649-2	MW-29A	61	59								
310-305649-3	MW-210B	48	46								

Surrogate Legend

DCPAA = DCAA

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		DCPAA1	DCPAA2								
Lab Sample ID	Client Sample ID	(34-142)	(34-142)								
LCS 410-642888/2-A	Lab Control Sample	70	67								
LCS 410-642888/2-A - DL	Lab Control Sample	79	78								
LCSD 410-642888/3-A - DL	Lab Control Sample Dup	67	67								
LCSD 410-642888/3-A	Lab Control Sample Dup	70	67								
MB 410-642888/1-A	Method Blank	65	60								

Surrogate Legend

DCPAA = DCAA

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-454003/6
Matrix: Water
Analysis Batch: 454003

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/07/25 23:06	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/07/25 23:06	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/07/25 23:06	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/07/25 23:06	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/07/25 23:06	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/07/25 23:06	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/07/25 23:06	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/07/25 23:06	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/07/25 23:06	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/07/25 23:06	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/07/25 23:06	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/07/25 23:06	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/07/25 23:06	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/07/25 23:06	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/07/25 23:06	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/07/25 23:06	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/07/25 23:06	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/07/25 23:06	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/07/25 23:06	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/07/25 23:06	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/07/25 23:06	1
Acetone	<10.0		10.0	3.10	ug/L			05/07/25 23:06	1
Acrolein	<10.0		10.0	3.60	ug/L			05/07/25 23:06	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/07/25 23:06	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/07/25 23:06	1
Benzene	<0.500		0.500	0.220	ug/L			05/07/25 23:06	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/07/25 23:06	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/07/25 23:06	1
Bromoform	<5.00		5.00	0.780	ug/L			05/07/25 23:06	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/07/25 23:06	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/07/25 23:06	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/07/25 23:06	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/07/25 23:06	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/07/25 23:06	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/07/25 23:06	1
Chloroform	<3.00		3.00	1.30	ug/L			05/07/25 23:06	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/07/25 23:06	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/07/25 23:06	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/07/25 23:06	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/07/25 23:06	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/07/25 23:06	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/07/25 23:06	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/07/25 23:06	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/07/25 23:06	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/07/25 23:06	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/07/25 23:06	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/07/25 23:06	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/07/25 23:06	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-454003/6
Matrix: Water
Analysis Batch: 454003

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/07/25 23:06	1
Styrene	<1.00		1.00	0.370	ug/L			05/07/25 23:06	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/07/25 23:06	1
Toluene	<1.00		1.00	0.430	ug/L			05/07/25 23:06	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/07/25 23:06	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/07/25 23:06	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/07/25 23:06	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/07/25 23:06	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/07/25 23:06	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/07/25 23:06	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/07/25 23:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*88*		*76 - 130*		*05/07/25 23:06*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/07/25 23:06*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*05/07/25 23:06*	*1*

Lab Sample ID: LCS 310-454003/7
Matrix: Water
Analysis Batch: 454003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	17.10		ug/L		85	70 - 121
1,1,1-Trichloroethane	20.0	16.02		ug/L		80	69 - 130
1,1,2,2-Tetrachloroethane	20.0	18.43		ug/L		92	70 - 122
1,1,2-Trichloroethane	20.0	17.51		ug/L		88	75 - 121
1,1-Dichloroethane	20.0	16.05		ug/L		80	69 - 127
1,1-Dichloroethene	20.0	14.57		ug/L		73	64 - 134
1,1-Dichloropropene	20.0	16.00		ug/L		80	70 - 133
1,2,3-Trichloropropane	20.0	18.66		ug/L		93	70 - 122
1,2,4-Trichlorobenzene	20.0	21.11		ug/L		106	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	19.63		ug/L		98	62 - 132
1,2-Dibromoethane (EDB)	20.0	18.38		ug/L		92	74 - 122
1,2-Dichlorobenzene	20.0	18.67		ug/L		93	74 - 120
1,2-Dichloroethane	20.0	16.99		ug/L		85	68 - 125
1,2-Dichloropropane	20.0	17.19		ug/L		86	72 - 128
1,3-Dichlorobenzene	20.0	18.54		ug/L		93	71 - 120
1,3-Dichloropropane	20.0	17.81		ug/L		89	72 - 125
1,4-Dichlorobenzene	20.0	18.26		ug/L		91	72 - 120
2,2-Dichloropropane	20.0	14.30		ug/L		71	51 - 146
2-Butanone (MEK)	40.0	35.22		ug/L		88	60 - 134
2-Hexanone	40.0	39.33		ug/L		98	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	38.89		ug/L		97	62 - 136
Acetone	40.0	34.47		ug/L		86	59 - 136
Acrolein	94.8	70.17		ug/L		74	50 - 150
Acrylonitrile	200	168.6		ug/L		84	50 - 150
Allyl chloride	20.0	14.80		ug/L		74	61 - 136
Benzene	20.0	17.03		ug/L		85	71 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454003/7
Matrix: Water
Analysis Batch: 454003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromochloromethane	20.0	15.90		ug/L		79	69 - 131
Bromodichloromethane	20.0	15.92		ug/L		80	70 - 122
Bromoform	20.0	16.36		ug/L		82	62 - 122
Carbon disulfide	20.0	15.43		ug/L		77	58 - 137
Carbon tetrachloride	20.0	15.39		ug/L		77	63 - 136
Chlorobenzene	20.0	17.51		ug/L		88	74 - 120
Chlorodibromomethane	20.0	16.34		ug/L		82	69 - 121
Chloroform	20.0	16.33		ug/L		82	72 - 122
Chloroprene	20.0	16.08		ug/L		80	67 - 136
cis-1,2-Dichloroethene	20.0	16.05		ug/L		80	72 - 123
cis-1,3-Dichloropropene	20.0	17.85		ug/L		89	72 - 123
Dibromomethane	20.0	16.48		ug/L		82	72 - 122
Ethyl methacrylate	20.0	19.29		ug/L		96	68 - 128
Ethylbenzene	20.0	17.59		ug/L		88	75 - 120
Methacrylonitrile	200	172.3		ug/L		86	67 - 128
Methyl methacrylate	40.0	36.90		ug/L		92	69 - 129
Methylene Chloride	20.0	16.20		ug/L		81	72 - 128
Naphthalene	20.0	22.37		ug/L		112	69 - 126
Propionitrile	200	179.7		ug/L		90	68 - 131
Styrene	20.0	18.19		ug/L		91	74 - 122
Tetrachloroethene	20.0	15.88		ug/L		79	70 - 128
Toluene	20.0	16.77		ug/L		84	74 - 120
trans-1,2-Dichloroethene	20.0	14.30		ug/L		72	67 - 127
trans-1,3-Dichloropropene	20.0	18.20		ug/L		91	67 - 123
trans-1,4-Dichloro-2-butene	20.0	19.76		ug/L		99	50 - 150
Trichloroethene	20.0	16.88		ug/L		84	70 - 128
Vinyl acetate	40.0	31.21		ug/L		78	50 - 150
Xylenes, Total	40.0	36.57		ug/L		91	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*93*		*76 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*

Lab Sample ID: LCS 310-454003/8
Matrix: Water
Analysis Batch: 454003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	17.88		ug/L		89	33 - 138
Chloroethane	20.0	16.21		ug/L		81	59 - 139
Chloromethane	20.0	18.50		ug/L		92	52 - 146
Dichlorodifluoromethane	20.0	16.27		ug/L		81	45 - 150
Trichlorofluoromethane	20.0	15.86		ug/L		79	55 - 150
Vinyl chloride	20.0	17.18		ug/L		86	60 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*90*		*76 - 130*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454003/8
Matrix: Water
Analysis Batch: 454003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 310-454123/6
Matrix: Water
Analysis Batch: 454123

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/09/25 09:31	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/09/25 09:31	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/09/25 09:31	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/09/25 09:31	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/09/25 09:31	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/09/25 09:31	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/09/25 09:31	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/09/25 09:31	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/09/25 09:31	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/09/25 09:31	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/09/25 09:31	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/09/25 09:31	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/09/25 09:31	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/09/25 09:31	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/09/25 09:31	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/09/25 09:31	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/09/25 09:31	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/09/25 09:31	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/09/25 09:31	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/09/25 09:31	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/09/25 09:31	1
Acetone	<10.0		10.0	3.10	ug/L			05/09/25 09:31	1
Acrolein	<10.0		10.0	3.60	ug/L			05/09/25 09:31	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/09/25 09:31	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/09/25 09:31	1
Benzene	<0.500		0.500	0.220	ug/L			05/09/25 09:31	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/09/25 09:31	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/09/25 09:31	1
Bromoform	<5.00		5.00	0.780	ug/L			05/09/25 09:31	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/09/25 09:31	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/09/25 09:31	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/09/25 09:31	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/09/25 09:31	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/09/25 09:31	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/09/25 09:31	1
Chloroform	<3.00		3.00	1.30	ug/L			05/09/25 09:31	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/09/25 09:31	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/09/25 09:31	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/09/25 09:31	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/09/25 09:31	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-454123/6
Matrix: Water
Analysis Batch: 454123

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	<1.00		1.00	0.330	ug/L			05/09/25 09:31	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/09/25 09:31	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/09/25 09:31	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/09/25 09:31	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/09/25 09:31	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/09/25 09:31	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/09/25 09:31	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/09/25 09:31	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/09/25 09:31	1
Propionitrile	<10.0		10.0	3.40	ug/L			05/09/25 09:31	1
Styrene	<1.00		1.00	0.370	ug/L			05/09/25 09:31	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/09/25 09:31	1
Toluene	<1.00		1.00	0.430	ug/L			05/09/25 09:31	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/09/25 09:31	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/09/25 09:31	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/09/25 09:31	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/09/25 09:31	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/09/25 09:31	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/09/25 09:31	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/09/25 09:31	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/09/25 09:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*76 - 130*		*05/09/25 09:31*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/09/25 09:31*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/09/25 09:31*	*1*

Lab Sample ID: LCS 310-454123/7
Matrix: Water
Analysis Batch: 454123

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	18.99		ug/L		95	70 - 121
1,1,1-Trichloroethane	20.0	19.66		ug/L		98	69 - 130
1,1,2,2-Tetrachloroethane	20.0	16.76		ug/L		84	70 - 122
1,1,2-Trichloroethane	20.0	17.91		ug/L		90	75 - 121
1,1-Dichloroethane	20.0	20.48		ug/L		102	69 - 127
1,1-Dichloroethene	20.0	20.62		ug/L		103	64 - 134
1,1-Dichloropropene	20.0	19.44		ug/L		97	70 - 133
1,2,3-Trichloropropane	20.0	17.13		ug/L		86	70 - 122
1,2,4-Trichlorobenzene	20.0	17.67		ug/L		88	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	19.15		ug/L		96	62 - 132
1,2-Dibromoethane (EDB)	20.0	16.80		ug/L		84	74 - 122
1,2-Dichlorobenzene	20.0	18.62		ug/L		93	74 - 120
1,2-Dichloroethane	20.0	20.44		ug/L		102	68 - 125
1,2-Dichloropropane	20.0	19.93		ug/L		100	72 - 128
1,3-Dichlorobenzene	20.0	17.33		ug/L		87	71 - 120
1,3-Dichloropropane	20.0	18.25		ug/L		91	72 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454123/7
Matrix: Water
Analysis Batch: 454123

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	20.0	17.71		ug/L		89	72 - 120
2,2-Dichloropropane	20.0	20.13		ug/L		101	51 - 146
2-Butanone (MEK)	40.0	42.31		ug/L		106	60 - 134
2-Hexanone	40.0	38.30		ug/L		96	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	40.88		ug/L		102	62 - 136
Acetone	40.0	38.95		ug/L		97	59 - 136
Acrolein	94.8	93.20		ug/L		98	50 - 150
Acrylonitrile	200	199.5		ug/L		100	50 - 150
Allyl chloride	20.0	19.95		ug/L		100	61 - 136
Benzene	20.0	19.68		ug/L		98	71 - 125
Bromochloromethane	20.0	20.16		ug/L		101	69 - 131
Bromodichloromethane	20.0	18.47		ug/L		92	70 - 122
Bromoform	20.0	16.84		ug/L		84	62 - 122
Carbon disulfide	20.0	20.39		ug/L		102	58 - 137
Carbon tetrachloride	20.0	20.58		ug/L		103	63 - 136
Chlorobenzene	20.0	18.39		ug/L		92	74 - 120
Chlorodibromomethane	20.0	17.06		ug/L		85	69 - 121
Chloroform	20.0	20.49		ug/L		102	72 - 122
Chloroprene	20.0	20.63		ug/L		103	67 - 136
cis-1,2-Dichloroethene	20.0	20.06		ug/L		100	72 - 123
cis-1,3-Dichloropropene	20.0	18.66		ug/L		93	72 - 123
Dibromomethane	20.0	20.16		ug/L		101	72 - 122
Ethyl methacrylate	20.0	20.26		ug/L		101	68 - 128
Ethylbenzene	20.0	19.10		ug/L		95	75 - 120
Iodomethane	20.0	13.38		ug/L		67	18 - 150
Methacrylonitrile	200	176.1		ug/L		88	67 - 128
Methyl methacrylate	40.0	37.93		ug/L		95	69 - 129
Methylene Chloride	20.0	21.06		ug/L		105	72 - 128
Naphthalene	20.0	18.83		ug/L		94	69 - 126
Propionitrile	200	201.0		ug/L		101	68 - 131
Styrene	20.0	17.18		ug/L		86	74 - 122
Tetrachloroethene	20.0	18.78		ug/L		94	70 - 128
Toluene	20.0	20.32		ug/L		102	74 - 120
trans-1,2-Dichloroethene	20.0	20.29		ug/L		101	67 - 127
trans-1,3-Dichloropropene	20.0	17.81		ug/L		89	67 - 123
trans-1,4-Dichloro-2-butene	20.0	18.91		ug/L		95	50 - 150
Trichloroethene	20.0	17.68		ug/L		88	70 - 128
Vinyl acetate	40.0	33.63		ug/L		84	50 - 150
Xylenes, Total	40.0	38.23		ug/L		96	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*76 - 130*
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454123/8
Matrix: Water
Analysis Batch: 454123

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	14.68		ug/L		73	33 - 138
Chloroethane	20.0	17.98		ug/L		90	59 - 139
Chloromethane	20.0	18.72		ug/L		94	52 - 146
Dichlorodifluoromethane	20.0	19.58		ug/L		98	45 - 150
Trichlorofluoromethane	20.0	17.53		ug/L		88	55 - 150
Vinyl chloride	20.0	17.24		ug/L		86	60 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*111*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-453954/1-A
Matrix: Water
Analysis Batch: 454595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		05/07/25 09:32	05/14/25 10:38	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		05/07/25 09:32	05/14/25 10:38	1
Acetophenone	<10.0		10.0	0.690	ug/L		05/07/25 09:32	05/14/25 10:38	1
Anthracene	<10.0		10.0	0.870	ug/L		05/07/25 09:32	05/14/25 10:38	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		05/07/25 09:32	05/14/25 10:38	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		05/07/25 09:32	05/14/25 10:38	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		05/07/25 09:32	05/14/25 10:38	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		05/07/25 09:32	05/14/25 10:38	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		05/07/25 09:32	05/14/25 10:38	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		05/07/25 09:32	05/14/25 10:38	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		05/07/25 09:32	05/14/25 10:38	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		05/07/25 09:32	05/14/25 10:38	1
bis (2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		05/07/25 09:32	05/14/25 10:38	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		05/07/25 09:32	05/14/25 10:38	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		05/07/25 09:32	05/14/25 10:38	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		05/07/25 09:32	05/14/25 10:38	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		05/07/25 09:32	05/14/25 10:38	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		05/07/25 09:32	05/14/25 10:38	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		05/07/25 09:32	05/14/25 10:38	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		05/07/25 09:32	05/14/25 10:38	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		05/07/25 09:32	05/14/25 10:38	1
Chrysene	<10.0		10.0	0.870	ug/L		05/07/25 09:32	05/14/25 10:38	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		05/07/25 09:32	05/14/25 10:38	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		05/07/25 09:32	05/14/25 10:38	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		05/07/25 09:32	05/14/25 10:38	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		05/07/25 09:32	05/14/25 10:38	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		05/07/25 09:32	05/14/25 10:38	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		05/07/25 09:32	05/14/25 10:38	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		05/07/25 09:32	05/14/25 10:38	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-453954/1-A
Matrix: Water
Analysis Batch: 454595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		05/07/25 09:32	05/14/25 10:38	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		05/07/25 09:32	05/14/25 10:38	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		05/07/25 09:32	05/14/25 10:38	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		05/07/25 09:32	05/14/25 10:38	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		05/07/25 09:32	05/14/25 10:38	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		05/07/25 09:32	05/14/25 10:38	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		05/07/25 09:32	05/14/25 10:38	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		05/07/25 09:32	05/14/25 10:38	1
Diphenylamine	<10.0		10.0	6.00	ug/L		05/07/25 09:32	05/14/25 10:38	1
Fluoranthene	<10.0		10.0	1.70	ug/L		05/07/25 09:32	05/14/25 10:38	1
Fluorene	<10.0		10.0	0.790	ug/L		05/07/25 09:32	05/14/25 10:38	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		05/07/25 09:32	05/14/25 10:38	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		05/07/25 09:32	05/14/25 10:38	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		05/07/25 09:32	05/14/25 10:38	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		05/07/25 09:32	05/14/25 10:38	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		05/07/25 09:32	05/14/25 10:38	1
Isophorone	<10.0		10.0	0.930	ug/L		05/07/25 09:32	05/14/25 10:38	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		05/07/25 09:32	05/14/25 10:38	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		05/07/25 09:32	05/14/25 10:38	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		05/07/25 09:32	05/14/25 10:38	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		05/07/25 09:32	05/14/25 10:38	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		05/07/25 09:32	05/14/25 10:38	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		05/07/25 09:32	05/14/25 10:38	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		05/07/25 09:32	05/14/25 10:38	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		05/07/25 09:32	05/14/25 10:38	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		05/07/25 09:32	05/14/25 10:38	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		05/07/25 09:32	05/14/25 10:38	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		05/07/25 09:32	05/14/25 10:38	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		05/07/25 09:32	05/14/25 10:38	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		05/07/25 09:32	05/14/25 10:38	1
Phenanthrene	<10.0		10.0	0.790	ug/L		05/07/25 09:32	05/14/25 10:38	1
Phenol	<10.0		10.0	1.10	ug/L		05/07/25 09:32	05/14/25 10:38	1
Pyrene	<10.0		10.0	0.790	ug/L		05/07/25 09:32	05/14/25 10:38	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		05/07/25 09:32	05/14/25 10:38	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		05/07/25 09:32	05/14/25 10:38	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		05/07/25 09:32	05/14/25 10:38	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		05/07/25 09:32	05/14/25 10:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*89*		*39 - 118*	*05/07/25 09:32*	*05/14/25 10:38*	*1*
2-Fluorophenol (Surr)	*67*		*25 - 110*	*05/07/25 09:32*	*05/14/25 10:38*	*1*
Nitrobenzene-d5 (Surr)	*86*		*45 - 129*	*05/07/25 09:32*	*05/14/25 10:38*	*1*
Phenol-d5 (Surr)	*63*		*21 - 110*	*05/07/25 09:32*	*05/14/25 10:38*	*1*
Terphenyl-d14 (Surr)	*80*		*12 - 144*	*05/07/25 09:32*	*05/14/25 10:38*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*27 - 136*	*05/07/25 09:32*	*05/14/25 10:38*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-453954/1-A
Matrix: Water
Analysis Batch: 454747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Famphur	<10.0		10.0	3.80	ug/L		05/07/25 09:32	05/15/25 09:51	1

Lab Sample ID: MB 310-453954/1-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		05/07/25 09:32	05/15/25 17:49	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		05/07/25 09:32	05/15/25 17:49	1
Acetophenone	<10.0		10.0	0.690	ug/L		05/07/25 09:32	05/15/25 17:49	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		05/07/25 09:32	05/15/25 17:49	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		05/07/25 09:32	05/15/25 17:49	1
Anthracene	<10.0		10.0	0.870	ug/L		05/07/25 09:32	05/15/25 17:49	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		05/07/25 09:32	05/15/25 17:49	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		05/07/25 09:32	05/15/25 17:49	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		05/07/25 09:32	05/15/25 17:49	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		05/07/25 09:32	05/15/25 17:49	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		05/07/25 09:32	05/15/25 17:49	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		05/07/25 09:32	05/15/25 17:49	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		05/07/25 09:32	05/15/25 17:49	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		05/07/25 09:32	05/15/25 17:49	1
bis (2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		05/07/25 09:32	05/15/25 17:49	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		05/07/25 09:32	05/15/25 17:49	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		05/07/25 09:32	05/15/25 17:49	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		05/07/25 09:32	05/15/25 17:49	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		05/07/25 09:32	05/15/25 17:49	1
Chlorobenzilate	<10.0		10.0	3.60	ug/L		05/07/25 09:32	05/15/25 17:49	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		05/07/25 09:32	05/15/25 17:49	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		05/07/25 09:32	05/15/25 17:49	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		05/07/25 09:32	05/15/25 17:49	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		05/07/25 09:32	05/15/25 17:49	1
Chrysene	<10.0		10.0	0.870	ug/L		05/07/25 09:32	05/15/25 17:49	1
Diallate	<10.0		10.0	4.00	ug/L		05/07/25 09:32	05/15/25 17:49	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		05/07/25 09:32	05/15/25 17:49	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		05/07/25 09:32	05/15/25 17:49	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		05/07/25 09:32	05/15/25 17:49	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		05/07/25 09:32	05/15/25 17:49	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		05/07/25 09:32	05/15/25 17:49	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		05/07/25 09:32	05/15/25 17:49	1
Dimethoate	<10.0		10.0	3.60	ug/L		05/07/25 09:32	05/15/25 17:49	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		05/07/25 09:32	05/15/25 17:49	1
3,3'-Dimethylbenzidine	<10.0		10.0	1.50	ug/L		05/07/25 09:32	05/15/25 17:49	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		05/07/25 09:32	05/15/25 17:49	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		05/07/25 09:32	05/15/25 17:49	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		05/07/25 09:32	05/15/25 17:49	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		05/07/25 09:32	05/15/25 17:49	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		05/07/25 09:32	05/15/25 17:49	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		05/07/25 09:32	05/15/25 17:49	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		05/07/25 09:32	05/15/25 17:49	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-453954/1-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		05/07/25 09:32	05/15/25 17:49	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		05/07/25 09:32	05/15/25 17:49	1
Dinoseb	<10.0		10.0	2.40	ug/L		05/07/25 09:32	05/15/25 17:49	1
Diphenylamine	<10.0		10.0	6.00	ug/L		05/07/25 09:32	05/15/25 17:49	1
Disulfoton	<10.0		10.0	2.40	ug/L		05/07/25 09:32	05/15/25 17:49	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		05/07/25 09:32	05/15/25 17:49	1
Ethyl Parathion	<10.0		10.0	2.20	ug/L		05/07/25 09:32	05/15/25 17:49	1
Fluoranthene	<10.0		10.0	1.70	ug/L		05/07/25 09:32	05/15/25 17:49	1
Fluorene	<10.0		10.0	0.790	ug/L		05/07/25 09:32	05/15/25 17:49	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		05/07/25 09:32	05/15/25 17:49	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		05/07/25 09:32	05/15/25 17:49	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		05/07/25 09:32	05/15/25 17:49	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		05/07/25 09:32	05/15/25 17:49	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		05/07/25 09:32	05/15/25 17:49	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		05/07/25 09:32	05/15/25 17:49	1
Isodrin	<10.0		10.0	4.70	ug/L		05/07/25 09:32	05/15/25 17:49	1
Isophorone	<10.0		10.0	0.930	ug/L		05/07/25 09:32	05/15/25 17:49	1
Isosafrole	<10.0		10.0	2.30	ug/L		05/07/25 09:32	05/15/25 17:49	1
Kepone	<10.0		10.0	1.00	ug/L		05/07/25 09:32	05/15/25 17:49	1
Methapyrilene	<10.0		10.0	0.760	ug/L		05/07/25 09:32	05/15/25 17:49	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		05/07/25 09:32	05/15/25 17:49	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		05/07/25 09:32	05/15/25 17:49	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		05/07/25 09:32	05/15/25 17:49	1
Methyl parathion	<10.0		10.0	2.30	ug/L		05/07/25 09:32	05/15/25 17:49	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		05/07/25 09:32	05/15/25 17:49	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		05/07/25 09:32	05/15/25 17:49	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		05/07/25 09:32	05/15/25 17:49	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		05/07/25 09:32	05/15/25 17:49	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		05/07/25 09:32	05/15/25 17:49	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		05/07/25 09:32	05/15/25 17:49	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		05/07/25 09:32	05/15/25 17:49	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		05/07/25 09:32	05/15/25 17:49	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		05/07/25 09:32	05/15/25 17:49	1
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		05/07/25 09:32	05/15/25 17:49	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		05/07/25 09:32	05/15/25 17:49	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		05/07/25 09:32	05/15/25 17:49	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		05/07/25 09:32	05/15/25 17:49	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		05/07/25 09:32	05/15/25 17:49	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		05/07/25 09:32	05/15/25 17:49	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		05/07/25 09:32	05/15/25 17:49	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		05/07/25 09:32	05/15/25 17:49	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		05/07/25 09:32	05/15/25 17:49	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		05/07/25 09:32	05/15/25 17:49	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		05/07/25 09:32	05/15/25 17:49	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		05/07/25 09:32	05/15/25 17:49	1
o-Toluidine	<10.0		10.0	2.90	ug/L		05/07/25 09:32	05/15/25 17:49	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		05/07/25 09:32	05/15/25 17:49	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		05/07/25 09:32	05/15/25 17:49	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		05/07/25 09:32	05/15/25 17:49	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-453954/1-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<10.0		10.0	9.60	ug/L		05/07/25 09:32	05/15/25 17:49	1
Phenacetin	<10.0		10.0	1.90	ug/L		05/07/25 09:32	05/15/25 17:49	1
Phenanthrene	<10.0		10.0	0.790	ug/L		05/07/25 09:32	05/15/25 17:49	1
Phenol	<10.0		10.0	1.10	ug/L		05/07/25 09:32	05/15/25 17:49	1
1,4-phenylenediamine	<10.0		10.0	1.90	ug/L		05/07/25 09:32	05/15/25 17:49	1
Phorate	<10.0		10.0	3.20	ug/L		05/07/25 09:32	05/15/25 17:49	1
Pronamide	<10.0		10.0	2.70	ug/L		05/07/25 09:32	05/15/25 17:49	1
Pyrene	<10.0		10.0	0.790	ug/L		05/07/25 09:32	05/15/25 17:49	1
Safrole	<10.0		10.0	2.80	ug/L		05/07/25 09:32	05/15/25 17:49	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		05/07/25 09:32	05/15/25 17:49	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		05/07/25 09:32	05/15/25 17:49	1
Thionazin	<10.0		10.0	3.50	ug/L		05/07/25 09:32	05/15/25 17:49	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		05/07/25 09:32	05/15/25 17:49	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		05/07/25 09:32	05/15/25 17:49	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		05/07/25 09:32	05/15/25 17:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*90*		*39 - 118*	*05/07/25 09:32*	*05/15/25 17:49*	*1*
2-Fluorophenol (Surr)	*70*		*25 - 110*	*05/07/25 09:32*	*05/15/25 17:49*	*1*
Nitrobenzene-d5 (Surr)	*82*		*45 - 129*	*05/07/25 09:32*	*05/15/25 17:49*	*1*
Phenol-d5 (Surr)	*62*		*21 - 110*	*05/07/25 09:32*	*05/15/25 17:49*	*1*
Terphenyl-d14 (Surr)	*96*		*12 - 144*	*05/07/25 09:32*	*05/15/25 17:49*	*1*
2,4,6-Tribromophenol (Surr)	*109*		*27 - 136*	*05/07/25 09:32*	*05/15/25 17:49*	*1*

Lab Sample ID: LCS 310-453954/2-A
Matrix: Water
Analysis Batch: 454595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453954

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	95.73		ug/L		96	43 - 110
Acenaphthylene	100	84.83		ug/L		85	40 - 110
Acetophenone	100	87.45		ug/L		87	48 - 119
Anthracene	100	83.45		ug/L		83	51 - 120
Benzo[a]anthracene	100	94.49		ug/L		94	51 - 123
Benzo[a]pyrene	100	102.4		ug/L		102	48 - 125
Benzo[b]fluoranthene	100	113.7		ug/L		114	49 - 129
Benzo[g,h,i]perylene	100	103.0		ug/L		103	43 - 139
Benzo[k]fluoranthene	100	101.3		ug/L		101	47 - 130
Benzyl alcohol	100	83.20		ug/L		83	39 - 128
Bis(2-chloroethoxy)methane	100	85.53		ug/L		86	48 - 121
Bis(2-chloroethyl)ether	100	83.69		ug/L		84	43 - 123
bis (2-chloroisopropyl) ether	100	80.80		ug/L		81	34 - 123
Bis(2-ethylhexyl) phthalate	100	103.6		ug/L		104	43 - 143
4-Bromophenyl phenyl ether	100	80.49		ug/L		80	45 - 119
Butyl benzyl phthalate	100	97.61		ug/L		98	46 - 135
4-Chloroaniline	100	81.60		ug/L		82	21 - 139
4-Chloro-3-methylphenol	100	87.49		ug/L		87	49 - 130
2-Chloronaphthalene	100	81.95		ug/L		82	37 - 110

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-453954/2-A
Matrix: Water
Analysis Batch: 454595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453954

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	100	77.11		ug/L		77	44 - 117
4-Chlorophenyl phenyl ether	100	81.03		ug/L		81	44 - 116
Chrysene	100	91.84		ug/L		92	51 - 125
Dibenzo(a,h)anthracene	100	95.17		ug/L		95	38 - 149
Dibenzofuran	100	80.35		ug/L		80	45 - 112
2,4-Dichlorophenol	100	87.31		ug/L		87	41 - 124
2,6-Dichlorophenol	100	84.29		ug/L		84	30 - 130
Diethyl phthalate	100	93.52		ug/L		94	43 - 135
2,4-Dimethylphenol	100	78.46		ug/L		78	31 - 142
Dimethyl phthalate	100	91.40		ug/L		91	43 - 129
Di-n-butyl phthalate	100	91.44		ug/L		91	50 - 133
1,3-Dinitrobenzene	100	99.18		ug/L		99	45 - 138
4,6-Dinitro-2-methylphenol	200	165.2		ug/L		83	22 - 143
2,4-Dinitrophenol	200	134.1		ug/L		67	10 - 138
2,4-Dinitrotoluene	100	95.19		ug/L		95	47 - 137
2,6-Dinitrotoluene	100	98.43		ug/L		98	51 - 130
Di-n-octyl phthalate	100	96.18		ug/L		96	34 - 150
Fluoranthene	100	88.22		ug/L		88	47 - 128
Fluorene	100	83.40		ug/L		83	45 - 119
Hexachlorobenzene	100	79.96		ug/L		80	48 - 119
Hexachlorobutadiene	100	67.32		ug/L		67	32 - 110
Hexachlorocyclopentadiene	100	61.83		ug/L		62	10 - 110
Hexachloroethane	100	66.57		ug/L		67	31 - 110
Indeno[1,2,3-cd]pyrene	100	104.7		ug/L		105	37 - 150
Isophorone	100	86.02		ug/L		86	50 - 125
2-Methylnaphthalene	100	77.14		ug/L		77	33 - 110
2-Methylphenol	100	89.55		ug/L		90	47 - 118
Methylphenol, 3 & 4	100	82.43		ug/L		82	46 - 117
2-Nitroaniline	100	93.04		ug/L		93	50 - 135
3-Nitroaniline	100	103.2		ug/L		103	42 - 139
4-Nitroaniline	100	81.18		ug/L		81	31 - 145
Nitrobenzene	100	85.97		ug/L		86	47 - 116
2-Nitrophenol	100	95.22		ug/L		95	41 - 129
4-Nitrophenol	200	135.0		ug/L		67	18 - 110
N-Nitrosodimethylamine	100	69.82		ug/L		70	37 - 110
N-Nitrosodi-n-propylamine	100	85.08		ug/L		85	45 - 130
N-Nitrosodiphenylamine	100	90.48		ug/L		90	49 - 121
Pentachlorophenol	200	143.7		ug/L		72	26 - 133
Phenanthrene	100	81.83		ug/L		82	51 - 117
Phenol	100	60.93		ug/L		61	29 - 110
Pyrene	100	94.13		ug/L		94	48 - 127
1,2,4,5-Tetrachlorobenzene	100	74.42		ug/L		74	36 - 110
2,3,4,6-Tetrachlorophenol	100	92.17		ug/L		92	33 - 134
2,4,5-Trichlorophenol	100	81.45		ug/L		81	35 - 133
2,4,6-Trichlorophenol	100	90.24		ug/L		90	28 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*83*		*39 - 118*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-453954/2-A
Matrix: Water
Analysis Batch: 454595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453954

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	*65*		*25 - 110*
Nitrobenzene-d5 (Surr)	*82*		*45 - 129*
Phenol-d5 (Surr)	*55*		*21 - 110*
Terphenyl-d14 (Surr)	*78*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*87*		*27 - 136*

Lab Sample ID: LCS 310-453954/2-A
Matrix: Water
Analysis Batch: 454747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453954

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Famphur	44.8	45.05		ug/L		101	44 - 150

Lab Sample ID: LCS 310-453954/2-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453954

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	90.08		ug/L		90	43 - 110
Acenaphthylene	100	89.43		ug/L		89	40 - 110
Acetophenone	100	86.29		ug/L		86	48 - 119
2-Acetylaminofluorene	51.2	66.24		ug/L		129	35 - 150
4-Aminobiphenyl	51.2	39.36		ug/L		77	24 - 138
Anthracene	100	93.77		ug/L		94	51 - 120
Benzo[a]anthracene	100	91.37		ug/L		91	51 - 123
Benzo[a]pyrene	100	89.54		ug/L		90	48 - 125
Benzo[b]fluoranthene	100	80.61		ug/L		81	49 - 129
Benzo[g,h,i]perylene	100	91.99		ug/L		92	43 - 139
Benzo[k]fluoranthene	100	95.43		ug/L		95	47 - 130
Benzyl alcohol	100	83.87		ug/L		84	39 - 128
Bis(2-chloroethoxy)methane	100	85.34		ug/L		85	48 - 121
Bis(2-chloroethyl)ether	100	73.52		ug/L		74	43 - 123
bis (2-chloroisopropyl) ether	100	78.64		ug/L		79	34 - 123
Bis(2-ethylhexyl) phthalate	100	75.29		ug/L		75	43 - 143
4-Bromophenyl phenyl ether	100	92.73		ug/L		93	45 - 119
Butyl benzyl phthalate	100	86.40		ug/L		86	46 - 135
4-Chloroaniline	100	89.37		ug/L		89	21 - 139
Chlorobenzilate	51.2	86.53	*+	ug/L		169	52 - 138
4-Chloro-3-methylphenol	100	100.6		ug/L		101	49 - 130
2-Chloronaphthalene	100	82.26		ug/L		82	37 - 110
2-Chlorophenol	100	86.28		ug/L		86	44 - 117
4-Chlorophenyl phenyl ether	100	92.69		ug/L		93	44 - 116
Chrysene	100	95.91		ug/L		96	51 - 125
Diallate	44.8	42.56		ug/L		95	42 - 141
Dibenzo(a,h)anthracene	100	98.46		ug/L		98	38 - 149
Dibenzofuran	100	90.96		ug/L		91	45 - 112
2,4-Dichlorophenol	100	99.28		ug/L		99	41 - 124
2,6-Dichlorophenol	100	96.69		ug/L		97	30 - 130
Diethyl phthalate	100	94.19		ug/L		94	43 - 135

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-453954/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454804
Prep Batch: 453954

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dimethoate	44.8	53.68		ug/L		120	51 - 150
7,12-Dimethylbenz(a)anthracene	51.2	42.93		ug/L		84	51 - 129
3,3'-Dimethylbenzidine	51.2	19.00		ug/L		37	10 - 150
2,4-Dimethylphenol	100	82.63		ug/L		83	31 - 142
Dimethyl phthalate	100	96.23		ug/L		96	43 - 129
Di-n-butyl phthalate	100	95.82		ug/L		96	50 - 133
1,3-Dinitrobenzene	100	94.93		ug/L		95	45 - 138
4,6-Dinitro-2-methylphenol	200	194.7		ug/L		97	22 - 143
2,4-Dinitrophenol	200	135.6		ug/L		68	10 - 138
2,4-Dinitrotoluene	100	112.3		ug/L		112	47 - 137
2,6-Dinitrotoluene	100	101.7		ug/L		102	51 - 130
Di-n-octyl phthalate	100	74.43		ug/L		74	34 - 150
Dinoseb	51.2	48.38		ug/L		94	25 - 146
Disulfoton	44.8	36.49		ug/L		81	54 - 131
Ethyl methanesulfonate	51.2	39.60		ug/L		77	48 - 120
Ethyl Parathion	44.8	50.95		ug/L		114	52 - 149
Fluoranthene	100	99.56		ug/L		100	47 - 128
Fluorene	100	92.99		ug/L		93	45 - 119
Hexachlorobenzene	100	93.92		ug/L		94	48 - 119
Hexachlorobutadiene	100	76.63		ug/L		77	32 - 110
Hexachlorocyclopentadiene	100	51.83		ug/L		52	10 - 110
Hexachloroethane	100	56.78		ug/L		57	31 - 110
Hexachloropropene	51.2	11.53		ug/L		23	10 - 110
Indeno[1,2,3-cd]pyrene	100	91.19		ug/L		91	37 - 150
Isodrin	51.2	43.53		ug/L		85	52 - 125
Isophorone	100	87.96		ug/L		88	50 - 125
Methapyrilene	44.8	13.94		ug/L		31	10 - 110
Methyl methanesulfonate	51.2	31.58		ug/L		62	36 - 110
2-Methylnaphthalene	100	84.80		ug/L		85	33 - 110
Methyl parathion	44.8	57.99		ug/L		129	50 - 150
2-Methylphenol	100	85.11		ug/L		85	47 - 118
Methylphenol, 3 & 4	100	84.52		ug/L		85	46 - 117
1,4-Naphthoquinone	51.2	49.44		ug/L		97	37 - 149
1-Naphthylamine	51.2	24.70		ug/L		48	19 - 110
2-Naphthylamine	51.2	40.37		ug/L		79	18 - 127
2-Nitroaniline	100	95.29		ug/L		95	50 - 135
3-Nitroaniline	100	104.1		ug/L		104	42 - 139
4-Nitroaniline	100	93.20		ug/L		93	31 - 145
Nitrobenzene	100	83.07		ug/L		83	47 - 116
5-Nitro-o-toluidine	51.2	57.72		ug/L		113	47 - 145
2-Nitrophenol	100	94.06		ug/L		94	41 - 129
4-Nitrophenol	200	145.2		ug/L		73	18 - 110
N-Nitrosodiethylamine	51.2	42.52		ug/L		83	47 - 138
N-Nitrosodimethylamine	100	68.86		ug/L		69	37 - 110
N-Nitrosodi-n-butylamine	51.2	47.14		ug/L		92	52 - 142
N-Nitrosodi-n-propylamine	100	78.79		ug/L		79	45 - 130
N-Nitrosodiphenylamine	100	100.0		ug/L		100	49 - 121
N-Nitrosomethylethylamine	51.2	39.16		ug/L		76	54 - 123
N-Nitrosopiperidine	51.2	43.64		ug/L		85	60 - 127

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-453954/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454804
Prep Batch: 453954

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
N-Nitrosopyrrolidine			51.2	46.03		ug/L		90	56 - 143		
o,o',o''-Triethylphosphorothioate			44.8	43.22		ug/L		96	45 - 113		
o-Toluidine			51.2	40.01		ug/L		78	24 - 142		
p-Dimethylamino azobenzene			51.2	48.14		ug/L		94	42 - 138		
Pentachlorobenzene			51.2	46.81		ug/L		91	33 - 110		
Pentachloronitrobenzene			51.2	53.76		ug/L		105	65 - 127		
Pentachlorophenol			200	182.9		ug/L		91	26 - 133		
Phenacetin			51.2	52.93		ug/L		103	56 - 146		
Phenanthrene			100	89.10		ug/L		89	51 - 117		
Phenol			100	61.32		ug/L		61	29 - 110		
1,4-phenylenediamine			51.2	<10.0	*-	ug/L		-1	20 - 120		
Phorate			44.8	40.60		ug/L		91	57 - 135		
Pronamide			51.2	50.68		ug/L		99	61 - 144		
Pyrene			100	85.87		ug/L		86	48 - 127		
Safrole			44.8	43.93		ug/L		98	34 - 110		
1,2,4,5-Tetrachlorobenzene			100	81.93		ug/L		82	36 - 110		
2,3,4,6-Tetrachlorophenol			100	103.0		ug/L		103	33 - 134		
Thionazin			44.8	46.04		ug/L		103	52 - 147		
2,4,5-Trichlorophenol			100	96.60		ug/L		97	35 - 133		
2,4,6-Trichlorophenol			100	97.40		ug/L		97	28 - 139		
1,3,5-Trinitrobenzene			51.2	40.83		ug/L		80	39 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*86*		*39 - 118*
2-Fluorophenol (Surr)	*67*		*25 - 110*
Nitrobenzene-d5 (Surr)	*76*		*45 - 129*
Phenol-d5 (Surr)	*56*		*21 - 110*
Terphenyl-d14 (Surr)	*82*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*121*		*27 - 136*

Lab Sample ID: LCSD 310-453954/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454595
Prep Batch: 453954

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			100	86.64		ug/L		87	43 - 110	10	35
Acenaphthylene			100	76.76		ug/L		77	40 - 110	10	35
Acetophenone			100	76.82		ug/L		77	48 - 119	13	35
Anthracene			100	77.79		ug/L		78	51 - 120	7	35
Benzo[a]anthracene			100	84.96		ug/L		85	51 - 123	11	35
Benzo[a]pyrene			100	92.53		ug/L		93	48 - 125	10	35
Benzo[b]fluoranthene			100	98.76		ug/L		99	49 - 129	14	35
Benzo[g,h,i]perylene			100	93.19		ug/L		93	43 - 139	10	35
Benzo[k]fluoranthene			100	89.95		ug/L		90	47 - 130	12	35
Benzyl alcohol			100	77.84		ug/L		78	39 - 128	7	35
Bis(2-chloroethoxy)methane			100	75.93		ug/L		76	48 - 121	12	35
Bis(2-chloroethyl)ether			100	74.14		ug/L		74	43 - 123	12	35
bis (2-chloroisopropyl) ether			100	70.12		ug/L		70	34 - 123	14	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-453954/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454595
Prep Batch: 453954

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	100	94.05		ug/L		94	43 - 143	10	35
4-Bromophenyl phenyl ether	100	74.95		ug/L		75	45 - 119	7	35
Butyl benzyl phthalate	100	89.89		ug/L		90	46 - 135	8	35
4-Chloroaniline	100	74.18		ug/L		74	21 - 139	10	35
4-Chloro-3-methylphenol	100	81.03		ug/L		81	49 - 130	8	35
2-Chloronaphthalene	100	71.65		ug/L		72	37 - 110	13	35
2-Chlorophenol	100	67.69		ug/L		68	44 - 117	13	35
4-Chlorophenyl phenyl ether	100	74.00		ug/L		74	44 - 116	9	35
Chrysene	100	84.56		ug/L		85	51 - 125	8	35
Dibenzo(a,h)anthracene	100	87.81		ug/L		88	38 - 149	8	35
Dibenzofuran	100	73.00		ug/L		73	45 - 112	10	35
2,4-Dichlorophenol	100	79.44		ug/L		79	41 - 124	9	35
2,6-Dichlorophenol	100	76.76		ug/L		77	30 - 130	9	35
Diethyl phthalate	100	85.22		ug/L		85	43 - 135	9	35
2,4-Dimethylphenol	100	73.63		ug/L		74	31 - 142	6	35
Dimethyl phthalate	100	85.94		ug/L		86	43 - 129	6	35
Di-n-butyl phthalate	100	86.24		ug/L		86	50 - 133	6	35
1,3-Dinitrobenzene	100	94.17		ug/L		94	45 - 138	5	35
4,6-Dinitro-2-methylphenol	200	144.1		ug/L		72	22 - 143	14	35
2,4-Dinitrophenol	200	86.72	*1	ug/L		43	10 - 138	43	35
2,4-Dinitrotoluene	100	89.33		ug/L		89	47 - 137	6	35
2,6-Dinitrotoluene	100	91.73		ug/L		92	51 - 130	7	35
Di-n-octyl phthalate	100	86.80		ug/L		87	34 - 150	10	35
Fluoranthene	100	80.88		ug/L		81	47 - 128	9	35
Fluorene	100	75.80		ug/L		76	45 - 119	10	35
Hexachlorobenzene	100	71.35		ug/L		71	48 - 119	11	35
Hexachlorobutadiene	100	58.52		ug/L		59	32 - 110	14	35
Hexachlorocyclopentadiene	100	55.85		ug/L		56	10 - 110	10	35
Hexachloroethane	100	58.41		ug/L		58	31 - 110	13	35
Indeno[1,2,3-cd]pyrene	100	94.63		ug/L		95	37 - 150	10	35
Isophorone	100	75.74		ug/L		76	50 - 125	13	35
2-Methylnaphthalene	100	68.68		ug/L		69	33 - 110	12	35
2-Methylphenol	100	81.27		ug/L		81	47 - 118	10	35
Methylphenol, 3 & 4	100	76.55		ug/L		77	46 - 117	7	35
2-Nitroaniline	100	86.23		ug/L		86	50 - 135	8	35
3-Nitroaniline	100	94.47		ug/L		94	42 - 139	9	35
4-Nitroaniline	100	84.79		ug/L		85	31 - 145	4	35
Nitrobenzene	100	74.07		ug/L		74	47 - 116	15	35
2-Nitrophenol	100	83.67		ug/L		84	41 - 129	13	35
4-Nitrophenol	200	131.2		ug/L		66	18 - 110	3	35
N-Nitrosodimethylamine	100	59.36		ug/L		59	37 - 110	16	35
N-Nitrosodi-n-propylamine	100	81.86		ug/L		82	45 - 130	4	35
N-Nitrosodiphenylamine	100	84.76		ug/L		85	49 - 121	7	35
Pentachlorophenol	200	126.6		ug/L		63	26 - 133	13	35
Phenanthrene	100	75.38		ug/L		75	51 - 117	8	35
Phenol	100	55.96		ug/L		56	29 - 110	9	35
Pyrene	100	86.25		ug/L		86	48 - 127	9	35
1,2,4,5-Tetrachlorobenzene	100	66.90		ug/L		67	36 - 110	11	35
2,3,4,6-Tetrachlorophenol	100	84.94		ug/L		85	33 - 134	8	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-453954/3-A
Matrix: Water
Analysis Batch: 454595

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453954

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol			100	73.51		ug/L		74	35 - 133	10	35
2,4,6-Trichlorophenol			100	80.81		ug/L		81	28 - 139	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*75*		*39 - 118*
2-Fluorophenol (Surr)	*64*		*25 - 110*
Nitrobenzene-d5 (Surr)	*75*		*45 - 129*
Phenol-d5 (Surr)	*53*		*21 - 110*
Terphenyl-d14 (Surr)	*77*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*83*		*27 - 136*

Lab Sample ID: LCSD 310-453954/3-A
Matrix: Water
Analysis Batch: 454747

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453954

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Famphur			44.8	39.88		ug/L		89	44 - 150	12	35

Lab Sample ID: LCSD 310-453954/3-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453954

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			100	78.67		ug/L		79	43 - 110	14	35
Acenaphthylene			100	80.78		ug/L		81	40 - 110	10	35
Acetophenone			100	77.92		ug/L		78	48 - 119	10	35
2-Acetylaminofluorene			51.2	60.18		ug/L		118	35 - 150	10	28
4-Aminobiphenyl			51.2	36.91		ug/L		72	24 - 138	6	35
Anthracene			100	82.18		ug/L		82	51 - 120	13	35
Benzo[a]anthracene			100	80.30		ug/L		80	51 - 123	13	35
Benzo[a]pyrene			100	79.34		ug/L		79	48 - 125	12	35
Benzo[b]fluoranthene			100	70.97		ug/L		71	49 - 129	13	35
Benzo[g,h,i]perylene			100	82.16		ug/L		82	43 - 139	11	35
Benzo[k]fluoranthene			100	93.13		ug/L		93	47 - 130	2	35
Benzyl alcohol			100	76.24		ug/L		76	39 - 128	10	35
Bis(2-chloroethoxy)methane			100	75.08		ug/L		75	48 - 121	13	35
Bis(2-chloroethyl)ether			100	65.90		ug/L		66	43 - 123	11	35
bis (2-chloroisopropyl) ether			100	69.19		ug/L		69	34 - 123	13	35
Bis(2-ethylhexyl) phthalate			100	69.81		ug/L		70	43 - 143	8	35
4-Bromophenyl phenyl ether			100	80.66		ug/L		81	45 - 119	14	35
Butyl benzyl phthalate			100	78.81		ug/L		79	46 - 135	9	35
4-Chloroaniline			100	81.28		ug/L		81	21 - 139	9	35
Chlorobenzilate			51.2	76.22	*+	ug/L		149	52 - 138	13	28
4-Chloro-3-methylphenol			100	90.36		ug/L		90	49 - 130	11	35
2-Chloronaphthalene			100	71.37		ug/L		71	37 - 110	14	35
2-Chlorophenol			100	78.09		ug/L		78	44 - 117	10	35
4-Chlorophenyl phenyl ether			100	82.40		ug/L		82	44 - 116	12	35
Chrysene			100	85.37		ug/L		85	51 - 125	12	35
Diallate			44.8	36.95		ug/L		82	42 - 141	14	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-453954/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454804
Prep Batch: 453954

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenzo(a,h)anthracene	100	85.38		ug/L		85	38 - 149	14	35
Dibenzofuran	100	81.73		ug/L		82	45 - 112	11	35
2,4-Dichlorophenol	100	88.34		ug/L		88	41 - 124	12	35
2,6-Dichlorophenol	100	84.98		ug/L		85	30 - 130	13	35
Diethyl phthalate	100	87.12		ug/L		87	43 - 135	8	35
Dimethoate	44.8	48.40		ug/L		108	51 - 150	10	26
7,12-Dimethylbenz(a)anthracene	51.2	39.24		ug/L		77	51 - 129	9	28
3,3'-Dimethylbenzidine	51.2	23.58		ug/L		46	10 - 150	22	35
2,4-Dimethylphenol	100	79.33		ug/L		79	31 - 142	4	35
Dimethyl phthalate	100	88.17		ug/L		88	43 - 129	9	35
Di-n-butyl phthalate	100	87.84		ug/L		88	50 - 133	9	35
1,3-Dinitrobenzene	100	88.78		ug/L		89	45 - 138	7	35
4,6-Dinitro-2-methylphenol	200	179.2		ug/L		90	22 - 143	8	35
2,4-Dinitrophenol	200	91.38	*1	ug/L		46	10 - 138	39	35
2,4-Dinitrotoluene	100	101.8		ug/L		102	47 - 137	10	35
2,6-Dinitrotoluene	100	91.28		ug/L		91	51 - 130	11	35
Di-n-octyl phthalate	100	65.21		ug/L		65	34 - 150	13	35
Dinoseb	51.2	47.22		ug/L		92	25 - 146	2	35
Disulfoton	44.8	33.54		ug/L		75	54 - 131	8	24
Ethyl methanesulfonate	51.2	34.97		ug/L		68	48 - 120	12	27
Ethyl Parathion	44.8	48.44		ug/L		108	52 - 149	5	26
Fluoranthene	100	90.31		ug/L		90	47 - 128	10	35
Fluorene	100	82.45		ug/L		82	45 - 119	12	35
Hexachlorobenzene	100	80.18		ug/L		80	48 - 119	16	35
Hexachlorobutadiene	100	67.02		ug/L		67	32 - 110	13	35
Hexachlorocyclopentadiene	100	49.01		ug/L		49	10 - 110	6	35
Hexachloroethane	100	52.25		ug/L		52	31 - 110	8	35
Hexachloropropene	51.2	10.96		ug/L		21	10 - 110	5	35
Indeno[1,2,3-cd]pyrene	100	83.05		ug/L		83	37 - 150	9	35
Isodrin	51.2	39.76		ug/L		78	52 - 125	9	26
Isophorone	100	79.90		ug/L		80	50 - 125	10	35
Methapyrilene	44.8	15.47		ug/L		35	10 - 110	10	35
Methyl methanesulfonate	51.2	28.43		ug/L		56	36 - 110	11	26
2-Methylnaphthalene	100	74.03		ug/L		74	33 - 110	14	35
Methyl parathion	44.8	51.76		ug/L		116	50 - 150	11	25
2-Methylphenol	100	75.43		ug/L		75	47 - 118	12	35
Methylphenol, 3 & 4	100	76.64		ug/L		77	46 - 117	10	35
1,4-Naphthoquinone	51.2	43.17		ug/L		84	37 - 149	14	29
1-Naphthylamine	51.2	24.21		ug/L		47	19 - 110	2	35
2-Naphthylamine	51.2	39.92		ug/L		78	18 - 127	1	35
2-Nitroaniline	100	85.60		ug/L		86	50 - 135	11	35
3-Nitroaniline	100	94.65		ug/L		95	42 - 139	9	35
4-Nitroaniline	100	84.49		ug/L		84	31 - 145	10	35
Nitrobenzene	100	73.94		ug/L		74	47 - 116	12	35
5-Nitro-o-toluidine	51.2	49.68		ug/L		97	47 - 145	15	31
2-Nitrophenol	100	85.90		ug/L		86	41 - 129	9	35
4-Nitrophenol	200	129.5		ug/L		65	18 - 110	11	35
N-Nitrosodiethylamine	51.2	40.23		ug/L		79	47 - 138	6	26
N-Nitrosodimethylamine	100	60.56		ug/L		61	37 - 110	13	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-453954/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454804
Prep Batch: 453954

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-Nitrosodi-n-butylamine			51.2	40.98		ug/L		80	52 - 142	14	27
N-Nitrosodi-n-propylamine			100	71.39		ug/L		71	45 - 130	10	35
N-Nitrosodiphenylamine			100	94.16		ug/L		94	49 - 121	6	35
N-Nitrosomethylethylamine			51.2	35.01		ug/L		68	54 - 123	11	26
N-Nitrosopiperidine			51.2	39.75		ug/L		78	60 - 127	9	26
N-Nitrosopyrrolidine			51.2	43.44		ug/L		85	56 - 143	6	25
o,o',o''-Triethylphosphorothioate			44.8	39.92		ug/L		89	45 - 113	8	33
o-Toluidine			51.2	37.36		ug/L		73	24 - 142	7	35
p-Dimethylamino azobenzene			51.2	42.28		ug/L		83	42 - 138	13	29
Pentachlorobenzene			51.2	41.39		ug/L		81	33 - 110	12	35
Pentachloronitrobenzene			51.2	43.91		ug/L		86	65 - 127	20	29
Pentachlorophenol			200	154.8		ug/L		77	26 - 133	17	35
Phenacetin			51.2	50.24		ug/L		98	56 - 146	5	25
Phenanthrene			100	80.07		ug/L		80	51 - 117	11	35
Phenol			100	56.34		ug/L		56	29 - 110	8	35
1,4-phenylenediamine			51.2	<10.0	*-	ug/L		-1	20 - 120	1	35
Phorate			44.8	35.56		ug/L		79	57 - 135	13	26
Pronamide			51.2	45.82		ug/L		89	61 - 144	10	27
Pyrene			100	76.32		ug/L		76	48 - 127	12	35
Safrole			44.8	37.97		ug/L		85	34 - 110	15	35
1,2,4,5-Tetrachlorobenzene			100	70.33		ug/L		70	36 - 110	15	35
2,3,4,6-Tetrachlorophenol			100	93.20		ug/L		93	33 - 134	10	35
Thionazin			44.8	43.65		ug/L		97	52 - 147	5	28
2,4,5-Trichlorophenol			100	87.61		ug/L		88	35 - 133	10	35
2,4,6-Trichlorophenol			100	86.40		ug/L		86	28 - 139	12	35
1,3,5-Trinitrobenzene			51.2	40.33		ug/L		79	39 - 144	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*80*		*39 - 118*
2-Fluorophenol (Surr)	*62*		*25 - 110*
Nitrobenzene-d5 (Surr)	*71*		*45 - 129*
Phenol-d5 (Surr)	*54*		*21 - 110*
Terphenyl-d14 (Surr)	*79*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*110*		*27 - 136*

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Lab Sample ID: MB 310-454235/4
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/09/25 09:22	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/09/25 09:22	1

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection) (Continued)

Lab Sample ID: LCS 310-454235/5
Matrix: Water
Analysis Batch: 454235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetonitrile	53.1	57.33		mg/L		108	67 - 131
Isobutanol	48.4	53.46		mg/L		110	80 - 120

Lab Sample ID: LCSD 310-454235/6
Matrix: Water
Analysis Batch: 454235

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetonitrile	53.1	57.11		mg/L		108	67 - 131	0	20
Isobutanol	48.4	52.70		mg/L		109	80 - 120	1	20

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 310-453945/1-A
Matrix: Water
Analysis Batch: 453943

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453945

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0980		0.0980	0.0245	ug/L		05/07/25 08:44	05/07/25 13:30	1
4,4'-DDE	<0.0980		0.0980	0.0294	ug/L		05/07/25 08:44	05/07/25 13:30	1
4,4'-DDT	<0.0980		0.0980	0.0196	ug/L		05/07/25 08:44	05/07/25 13:30	1
Aldrin	<0.0980		0.0980	0.0216	ug/L		05/07/25 08:44	05/07/25 13:30	1
alpha-BHC	<0.0980		0.0980	0.00980	ug/L		05/07/25 08:44	05/07/25 13:30	1
beta-BHC	<0.0980		0.0980	0.0412	ug/L		05/07/25 08:44	05/07/25 13:30	1
Chlordane (technical)	<1.96		1.96	0.382	ug/L		05/07/25 08:44	05/07/25 13:30	1
delta-BHC	<0.0980		0.0980	0.0314	ug/L		05/07/25 08:44	05/07/25 13:30	1
Dieldrin	<0.0980		0.0980	0.0206	ug/L		05/07/25 08:44	05/07/25 13:30	1
Endosulfan I	<0.0980		0.0980	0.0275	ug/L		05/07/25 08:44	05/07/25 13:30	1
Endosulfan II	<0.0980		0.0980	0.0255	ug/L		05/07/25 08:44	05/07/25 13:30	1
Endosulfan sulfate	<0.0980		0.0980	0.0176	ug/L		05/07/25 08:44	05/07/25 13:30	1
Endrin	<0.0980		0.0980	0.0275	ug/L		05/07/25 08:44	05/07/25 13:30	1
Endrin aldehyde	<0.0980		0.0980	0.0265	ug/L		05/07/25 08:44	05/07/25 13:30	1
gamma-BHC (Lindane)	<0.0980		0.0980	0.00980	ug/L		05/07/25 08:44	05/07/25 13:30	1
Heptachlor	<0.0980		0.0980	0.0225	ug/L		05/07/25 08:44	05/07/25 13:30	1
Heptachlor epoxide	<0.0980		0.0980	0.0314	ug/L		05/07/25 08:44	05/07/25 13:30	1
Methoxychlor	<0.0980		0.0980	0.0314	ug/L		05/07/25 08:44	05/07/25 13:30	1
Toxaphene	<1.96		1.96	0.980	ug/L		05/07/25 08:44	05/07/25 13:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*10 - 150*	*05/07/25 08:44*	*05/07/25 13:30*	*1*
Tetrachloro-m-xylene	*71*		*17 - 150*	*05/07/25 08:44*	*05/07/25 13:30*	*1*

Lab Sample ID: LCS 310-453945/2-A
Matrix: Water
Analysis Batch: 453943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453945

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.78	1.989		ug/L		72	28 - 150
4,4'-DDE	2.78	1.756		ug/L		63	10 - 150

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 310-453945/2-A
Matrix: Water
Analysis Batch: 453943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453945

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDT	2.78	1.567		ug/L		56	10 - 150
Aldrin	2.78	1.420		ug/L		51	10 - 146
alpha-BHC	2.78	2.324		ug/L		84	57 - 149
beta-BHC	2.78	2.217		ug/L		80	53 - 145
delta-BHC	2.78	2.042		ug/L		74	49 - 148
Dieldrin	2.78	2.194		ug/L		79	43 - 150
Endosulfan I	2.78	1.461		ug/L		53	26 - 133
Endosulfan II	2.78	1.580		ug/L		57	38 - 139
Endosulfan sulfate	2.78	2.305		ug/L		83	54 - 150
Endrin	2.78	2.116		ug/L		76	41 - 150
Endrin aldehyde	2.78	2.325		ug/L		84	42 - 147
gamma-BHC (Lindane)	2.78	2.367		ug/L		85	57 - 150
Heptachlor	2.78	1.597		ug/L		57	16 - 135
Heptachlor epoxide	2.78	2.359		ug/L		85	49 - 150
Methoxychlor	2.78	2.100		ug/L		76	16 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*67*		*10 - 150*
Tetrachloro-m-xylene	*63*		*17 - 150*

Lab Sample ID: 310-305649-2 MS
Matrix: Ground Water
Analysis Batch: 453943

Client Sample ID: MW-29A
Prep Type: Total/NA
Prep Batch: 453945

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	<0.0895		2.52	2.193		ug/L		87	15 - 150
4,4'-DDE	<0.0895		2.52	1.854		ug/L		74	10 - 150
4,4'-DDT	<0.0895		2.52	1.636		ug/L		65	10 - 150
Aldrin	<0.0895		2.52	1.675		ug/L		66	10 - 150
alpha-BHC	<0.0895		2.52	2.216		ug/L		88	33 - 150
beta-BHC	<0.0895		2.52	2.090		ug/L		83	32 - 150
delta-BHC	<0.0895		2.52	1.919		ug/L		76	30 - 150
Dieldrin	<0.0895		2.52	2.276		ug/L		90	24 - 150
Endosulfan I	<0.0895		2.52	1.599		ug/L		63	10 - 150
Endosulfan II	<0.0895		2.52	1.636		ug/L		65	14 - 150
Endosulfan sulfate	<0.0895		2.52	2.317		ug/L		92	39 - 150
Endrin	<0.0895		2.52	2.200		ug/L		87	18 - 150
Endrin aldehyde	<0.0895		2.52	2.048		ug/L		81	26 - 150
gamma-BHC (Lindane)	<0.0895		2.52	2.252		ug/L		89	35 - 150
Heptachlor	<0.0895		2.52	1.793		ug/L		71	10 - 150
Heptachlor epoxide	<0.0895		2.52	2.336		ug/L		93	26 - 150
Methoxychlor	<0.0895		2.52	1.954		ug/L		78	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*59*		*10 - 150*
Tetrachloro-m-xylene	*84*		*17 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 310-305649-2 MSD
Matrix: Ground Water
Analysis Batch: 453943

Client Sample ID: MW-29A
Prep Type: Total/NA
Prep Batch: 453945

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	<0.0895		2.58	2.494		ug/L		97	15 - 150	13	35
4,4'-DDE	<0.0895		2.58	2.082		ug/L		81	10 - 150	11	35
4,4'-DDT	<0.0895		2.58	1.915		ug/L		74	10 - 150	16	35
Aldrin	<0.0895		2.58	1.943		ug/L		75	10 - 150	15	35
alpha-BHC	<0.0895		2.58	2.538		ug/L		98	33 - 150	14	35
beta-BHC	<0.0895		2.58	2.380		ug/L		92	32 - 150	13	35
delta-BHC	<0.0895		2.58	2.202		ug/L		85	30 - 150	14	35
Dieldrin	<0.0895		2.58	2.578		ug/L		100	24 - 150	12	35
Endosulfan I	<0.0895		2.58	1.787		ug/L		69	10 - 150	11	35
Endosulfan II	<0.0895		2.58	1.868		ug/L		72	14 - 150	13	35
Endosulfan sulfate	<0.0895		2.58	2.633		ug/L		102	39 - 150	13	35
Endrin	<0.0895		2.58	2.512		ug/L		97	18 - 150	13	35
Endrin aldehyde	<0.0895		2.58	2.306		ug/L		89	26 - 150	12	35
gamma-BHC (Lindane)	<0.0895		2.58	2.566		ug/L		100	35 - 150	NC	35
Heptachlor	<0.0895		2.58	2.079		ug/L		81	10 - 150	15	35
Heptachlor epoxide	<0.0895		2.58	2.666		ug/L		103	26 - 150	13	35
Methoxychlor	<0.0895		2.58	2.179		ug/L		85	10 - 150	11	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*69*		*10 - 150*
Tetrachloro-m-xylene	*80*		*17 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 310-453945/1-A
Matrix: Water
Analysis Batch: 453941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453945

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.96		1.96	0.804	ug/L		05/07/25 08:44	05/07/25 13:30	1
PCB-1221	<1.96		1.96	0.804	ug/L		05/07/25 08:44	05/07/25 13:30	1
PCB-1232	<1.96		1.96	0.804	ug/L		05/07/25 08:44	05/07/25 13:30	1
PCB-1242	<1.96		1.96	0.804	ug/L		05/07/25 08:44	05/07/25 13:30	1
PCB-1248	<1.96		1.96	0.676	ug/L		05/07/25 08:44	05/07/25 13:30	1
PCB-1254	<1.96		1.96	0.676	ug/L		05/07/25 08:44	05/07/25 13:30	1
PCB-1260	<1.96		1.96	0.676	ug/L		05/07/25 08:44	05/07/25 13:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*82*		*10 - 150*	*05/07/25 08:44*	*05/07/25 13:30*	*1*
Tetrachloro-m-xylene	*71*		*17 - 150*	*05/07/25 08:44*	*05/07/25 13:30*	*1*

Lab Sample ID: LCS 310-453945/6-A
Matrix: Water
Analysis Batch: 453941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453945

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	27.8	19.15		ug/L		69	25 - 150
PCB-1260	27.8	21.04		ug/L		76	14 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 310-453945/6-A
Matrix: Water
Analysis Batch: 453941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453945

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	59		10 - 150
Tetrachloro-m-xylene	57		17 - 150

Lab Sample ID: 310-305649-3 MS
Matrix: Ground Water
Analysis Batch: 453941

Client Sample ID: MW-210B
Prep Type: Total/NA
Prep Batch: 453945

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	<1.81		25.8	22.37		ug/L		87	25 - 150
PCB-1260	<1.81		25.8	23.92		ug/L		93	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	47		10 - 150
Tetrachloro-m-xylene	58		17 - 150

Lab Sample ID: 310-305649-3 MSD
Matrix: Ground Water
Analysis Batch: 453941

Client Sample ID: MW-210B
Prep Type: Total/NA
Prep Batch: 453945

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<1.81		25.9	21.86		ug/L		84	25 - 150	2	35
PCB-1260	<1.81		25.9	22.71		ug/L		88	10 - 150	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	51		10 - 150
Tetrachloro-m-xylene	52		17 - 150

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-642888/1-A
Matrix: Water
Analysis Batch: 643100

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.600		0.600	0.250	ug/L		05/12/25 15:09	05/13/25 06:58	1
Silvex (2,4,5-TP)	<0.0500		0.0500	0.0220	ug/L		05/12/25 15:09	05/13/25 06:58	1
2,4,5-T	<0.150		0.150	0.0650	ug/L		05/12/25 15:09	05/13/25 06:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	65		34 - 142	05/12/25 15:09	05/13/25 06:58	1
DCAA	60		34 - 142	05/12/25 15:09	05/13/25 06:58	1

Lab Sample ID: LCS 410-642888/2-A
Matrix: Water
Analysis Batch: 643100

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-D	2.00	1.409		ug/L		70	53 - 159

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 410-642888/2-A
Matrix: Water
Analysis Batch: 643100

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642888

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,5-T			0.400	0.3094		ug/L		77	57 - 171		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA	*70*		*34 - 142*
DCAA	*67*		*34 - 142*

Lab Sample ID: LCSD 410-642888/3-A
Matrix: Water
Analysis Batch: 643100

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 642888

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D			2.00	1.381		ug/L		69	53 - 159	2	30
2,4,5-T			0.400	0.2938		ug/L		73	57 - 171	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCAA	*70*		*34 - 142*
DCAA	*67*		*34 - 142*

Method: 8151A - Herbicides (GC) - DL

Lab Sample ID: LCS 410-642888/2-A
Matrix: Water
Analysis Batch: 643100

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642888

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silvex (2,4,5-TP) - DL			4.01	2.441	*-	ug/L		61	62 - 170		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA - DL	*79*		*34 - 142*
DCAA - DL	*78*		*34 - 142*

Lab Sample ID: LCSD 410-642888/3-A
Matrix: Water
Analysis Batch: 643100

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 642888

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silvex (2,4,5-TP) - DL			4.01	2.027	*-	ug/L		51	62 - 170	19	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCAA - DL	*67*		*34 - 142*
DCAA - DL	*67*		*34 - 142*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-454185/1-A
Matrix: Water
Analysis Batch: 454355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/09/25 07:15	05/09/25 13:46	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/09/25 07:15	05/09/25 13:46	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/09/25 07:15	05/09/25 13:46	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/09/25 07:15	05/09/25 13:46	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/09/25 07:15	05/09/25 13:46	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/09/25 07:15	05/09/25 13:46	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/09/25 07:15	05/09/25 13:46	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/09/25 07:15	05/09/25 13:46	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/09/25 07:15	05/09/25 13:46	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/09/25 07:15	05/09/25 13:46	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/09/25 07:15	05/09/25 13:46	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/09/25 07:15	05/09/25 13:46	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/09/25 07:15	05/09/25 13:46	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/09/25 07:15	05/09/25 13:46	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/09/25 07:15	05/09/25 13:46	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/09/25 07:15	05/09/25 13:46	1

Lab Sample ID: LCS 310-454185/2-A
Matrix: Water
Analysis Batch: 454355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.1989		mg/L		99	80 - 120
Arsenic	0.200	0.1959		mg/L		98	80 - 120
Barium	0.100	0.1002		mg/L		100	80 - 120
Beryllium	0.100	0.09350		mg/L		93	80 - 120
Cadmium	0.100	0.09641		mg/L		96	80 - 120
Chromium	0.100	0.09606		mg/L		96	80 - 120
Cobalt	0.100	0.09746		mg/L		97	80 - 120
Copper	0.200	0.1938		mg/L		97	80 - 120
Lead	0.200	0.1979		mg/L		99	80 - 120
Nickel	0.200	0.1940		mg/L		97	80 - 120
Selenium	0.400	0.3661		mg/L		92	80 - 120
Silver	0.100	0.1133		mg/L		113	80 - 120
Thallium	0.100	0.08950		mg/L		89	80 - 120
Vanadium	0.100	0.09403		mg/L		94	80 - 120
Zinc	0.200	0.1882		mg/L		94	80 - 120
Tin	0.200	0.1888		mg/L		94	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-454445/1-A
Matrix: Water
Analysis Batch: 454718

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/14/25 08:46	05/14/25 13:16	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 310-454445/2-A
Matrix: Water
Analysis Batch: 454718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001675		mg/L		100	80 - 120

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 310-454263/1-A
Matrix: Water
Analysis Batch: 454336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0100		0.0100	0.00350	mg/L		05/09/25 09:40	05/09/25 19:18	1

Lab Sample ID: LCS 310-454263/2-A
Matrix: Water
Analysis Batch: 454336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.200	0.1948		mg/L		97	90 - 110

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-816997/1
Matrix: Water
Analysis Batch: 816997

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.00		1.00	0.231	mg/L			05/08/25 21:56	1

Lab Sample ID: LCS 500-816997/2
Matrix: Water
Analysis Batch: 816997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.761		mg/L		95	80 - 120

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-454047/1
Matrix: Water
Analysis Batch: 454047

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			05/07/25 16:21	1

Lab Sample ID: LCS 310-454047/2
Matrix: Water
Analysis Batch: 454047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	110.0		mg/L		110	81 - 116

Method: I-3765-85 - Residue, Non-filterable (TSS) (Continued)

Lab Sample ID: MB 310-454054/1
Matrix: Water
Analysis Batch: 454054

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			05/07/25 18:48	1

Lab Sample ID: LCS 310-454054/2
Matrix: Water
Analysis Batch: 454054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	102.0		mg/L		102	81 - 116

GC/MS VOA

Analysis Batch: 454003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-1	MW-408	Total/NA	Ground Water	8260D	
310-305649-2	MW-29A	Total/NA	Ground Water	8260D	
310-305649-3	MW-210B	Total/NA	Ground Water	8260D	
MB 310-454003/6	Method Blank	Total/NA	Water	8260D	
LCS 310-454003/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-454003/8	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 454123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-1	MW-408	Total/NA	Ground Water	8260D	
310-305649-2	MW-29A	Total/NA	Ground Water	8260D	
310-305649-3	MW-210B	Total/NA	Ground Water	8260D	
MB 310-454123/6	Method Blank	Total/NA	Water	8260D	
LCS 310-454123/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-454123/8	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 453954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	3510C	
310-305649-3	MW-210B	Total/NA	Ground Water	3510C	
MB 310-453954/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-453954/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-453954/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 454595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	8270E	453954
310-305649-3	MW-210B	Total/NA	Ground Water	8270E	453954
MB 310-453954/1-A	Method Blank	Total/NA	Water	8270E	453954
LCS 310-453954/2-A	Lab Control Sample	Total/NA	Water	8270E	453954
LCSD 310-453954/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	453954

Analysis Batch: 454747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	8270E	453954
310-305649-3	MW-210B	Total/NA	Ground Water	8270E	453954
MB 310-453954/1-A	Method Blank	Total/NA	Water	8270E	453954
LCS 310-453954/2-A	Lab Control Sample	Total/NA	Water	8270E	453954
LCSD 310-453954/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	453954

Analysis Batch: 454804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	8270E	453954
310-305649-3	MW-210B	Total/NA	Ground Water	8270E	453954
MB 310-453954/1-A	Method Blank	Total/NA	Water	8270E	453954
LCS 310-453954/2-A	Lab Control Sample	Total/NA	Water	8270E	453954
LCSD 310-453954/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	453954

GC Semi VOA

Analysis Batch: 453941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	8082A	453945
310-305649-3	MW-210B	Total/NA	Ground Water	8082A	453945
MB 310-453945/1-A	Method Blank	Total/NA	Water	8082A	453945
LCS 310-453945/6-A	Lab Control Sample	Total/NA	Water	8082A	453945
310-305649-3 MS	MW-210B	Total/NA	Ground Water	8082A	453945
310-305649-3 MSD	MW-210B	Total/NA	Ground Water	8082A	453945

Analysis Batch: 453943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	8081B	453945
310-305649-3	MW-210B	Total/NA	Ground Water	8081B	453945
MB 310-453945/1-A	Method Blank	Total/NA	Water	8081B	453945
LCS 310-453945/2-A	Lab Control Sample	Total/NA	Water	8081B	453945
310-305649-2 MS	MW-29A	Total/NA	Ground Water	8081B	453945
310-305649-2 MSD	MW-29A	Total/NA	Ground Water	8081B	453945

Prep Batch: 453945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	3511	
310-305649-3	MW-210B	Total/NA	Ground Water	3511	
MB 310-453945/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-453945/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-453945/6-A	Lab Control Sample	Total/NA	Water	3511	
310-305649-2 MS	MW-29A	Total/NA	Ground Water	3511	
310-305649-2 MSD	MW-29A	Total/NA	Ground Water	3511	
310-305649-3 MS	MW-210B	Total/NA	Ground Water	3511	
310-305649-3 MSD	MW-210B	Total/NA	Ground Water	3511	

Analysis Batch: 454235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	8015C	
310-305649-3	MW-210B	Total/NA	Ground Water	8015C	
MB 310-454235/4	Method Blank	Total/NA	Water	8015C	
LCS 310-454235/5	Lab Control Sample	Total/NA	Water	8015C	
LCSD 310-454235/6	Lab Control Sample Dup	Total/NA	Water	8015C	

Prep Batch: 642888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	8151A	
310-305649-3	MW-210B	Total/NA	Ground Water	8151A	
MB 410-642888/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-642888/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	
LCS 410-642888/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-642888/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
LCSD 410-642888/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 643100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	8151A	642888
310-305649-3	MW-210B	Total/NA	Ground Water	8151A	642888
MB 410-642888/1-A	Method Blank	Total/NA	Water	8151A	642888

GC Semi VOA (Continued)

Analysis Batch: 643100 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-642888/2-A	Lab Control Sample	Total/NA	Water	8151A	642888
LCS 410-642888/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	642888
LCSD 410-642888/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	642888
LCSD 410-642888/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	642888

Metals

Prep Batch: 454185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-1	MW-408	Total/NA	Ground Water	3005A	
310-305649-2	MW-29A	Total/NA	Ground Water	3005A	
310-305649-3	MW-210B	Total/NA	Ground Water	3005A	
MB 310-454185/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-454185/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 454355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-1	MW-408	Total/NA	Ground Water	6020B	454185
310-305649-2	MW-29A	Total/NA	Ground Water	6020B	454185
310-305649-3	MW-210B	Total/NA	Ground Water	6020B	454185
MB 310-454185/1-A	Method Blank	Total/NA	Water	6020B	454185
LCS 310-454185/2-A	Lab Control Sample	Total/NA	Water	6020B	454185

Prep Batch: 454445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	7470A	
310-305649-3	MW-210B	Total/NA	Ground Water	7470A	
MB 310-454445/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-454445/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 454718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	7470A	454445
310-305649-3	MW-210B	Total/NA	Ground Water	7470A	454445
MB 310-454445/1-A	Method Blank	Total/NA	Water	7470A	454445
LCS 310-454445/2-A	Lab Control Sample	Total/NA	Water	7470A	454445

General Chemistry

Analysis Batch: 454047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-1	MW-408	Total/NA	Ground Water	I-3765-85	
310-305649-2	MW-29A	Total/NA	Ground Water	I-3765-85	
MB 310-454047/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-454047/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 454054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-3	MW-210B	Total/NA	Ground Water	I-3765-85	
MB 310-454054/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-454054/2	Lab Control Sample	Total/NA	Water	I-3765-85	

QC Association Summary

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

General Chemistry

Prep Batch: 454263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	9012B	
310-305649-3	MW-210B	Total/NA	Ground Water	9012B	
MB 310-454263/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-454263/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 454336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	9012B	454263
310-305649-3	MW-210B	Total/NA	Ground Water	9012B	454263
MB 310-454263/1-A	Method Blank	Total/NA	Water	9012B	454263
LCS 310-454263/2-A	Lab Control Sample	Total/NA	Water	9012B	454263

Analysis Batch: 816997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305649-2	MW-29A	Total/NA	Ground Water	9034	
310-305649-3	MW-210B	Total/NA	Ground Water	9034	
MB 500-816997/1	Method Blank	Total/NA	Water	9034	
LCS 500-816997/2	Lab Control Sample	Total/NA	Water	9034	

Lab Chronicle

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-408
Lab Sample ID: 310-305649-1
Date Collected: 05/05/25 07:29
Matrix: Ground Water
Date Received: 05/06/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454003	WSE8	EET CF	05/08/25 01:46
Total/NA	Analysis	8260D		1	454123	WSE8	EET CF	05/09/25 11:24
Total/NA	Prep	3005A			454185	Y3EC	EET CF	05/09/25 07:15
Total/NA	Analysis	6020B		1	454355	ZRI4	EET CF	05/09/25 14:16
Total/NA	Analysis	I-3765-85		1	454047	MDU9	EET CF	05/07/25 16:21

Client Sample ID: MW-29A
Lab Sample ID: 310-305649-2
Date Collected: 05/05/25 07:56
Matrix: Ground Water
Date Received: 05/06/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454003	WSE8	EET CF	05/08/25 02:09
Total/NA	Analysis	8260D		1	454123	WSE8	EET CF	05/09/25 11:47
Total/NA	Prep	3510C			453954	J5BR	EET CF	05/07/25 09:32
Total/NA	Analysis	8270E		1	454747	V7YZ	EET CF	05/15/25 10:49
Total/NA	Prep	3510C			453954	J5BR	EET CF	05/07/25 09:32
Total/NA	Analysis	8270E		1	454804	V7YZ	EET CF	05/15/25 19:08
Total/NA	Prep	3510C			453954	J5BR	EET CF	05/07/25 09:32
Total/NA	Analysis	8270E		1	454595	V7YZ	EET CF	05/14/25 12:09
Total/NA	Analysis	8015C		1	454235	BW2O	EET CF	05/09/25 13:43
Total/NA	Prep	3511			453945	BW2O	EET CF	05/07/25 08:44
Total/NA	Analysis	8081B		1	453943	BW2O	EET CF	05/07/25 15:27
Total/NA	Prep	3511			453945	BW2O	EET CF	05/07/25 08:44
Total/NA	Analysis	8082A		1	453941	BW2O	EET CF	05/07/25 15:27
Total/NA	Prep	8151A			642888	QJZ6	ELLE	05/12/25 15:09
Total/NA	Analysis	8151A		1	643100	UAMZ	ELLE	05/13/25 11:13
Total/NA	Prep	3005A			454185	Y3EC	EET CF	05/09/25 07:15
Total/NA	Analysis	6020B		1	454355	ZRI4	EET CF	05/09/25 14:13
Total/NA	Prep	7470A			454445	F5MW	EET CF	05/14/25 08:46
Total/NA	Analysis	7470A		1	454718	F5MW	EET CF	05/14/25 13:48
Total/NA	Prep	9012B			454263	ENB7	EET CF	05/09/25 09:40
Total/NA	Analysis	9012B		1	454336	ZJX4	EET CF	05/09/25 19:24
Total/NA	Analysis	9034		1	816997	CLB	EET CHI	05/08/25 23:17 - 05/08/25 23:21 [1]
Total/NA	Analysis	I-3765-85		1	454047	MDU9	EET CF	05/07/25 16:21

Client Sample ID: MW-210B
Lab Sample ID: 310-305649-3
Date Collected: 05/05/25 08:55
Matrix: Ground Water
Date Received: 05/06/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454003	WSE8	EET CF	05/08/25 02:32
Total/NA	Analysis	8260D		1	454123	WSE8	EET CF	05/09/25 12:09
Total/NA	Prep	3510C			453954	J5BR	EET CF	05/07/25 09:32
Total/NA	Analysis	8270E		1	454747	V7YZ	EET CF	05/15/25 11:08

Lab Chronicle

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-210B
Lab Sample ID: 310-305649-3

Date Collected: 05/05/25 08:55
Matrix: Ground Water

Date Received: 05/06/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			453954	J5BR	EET CF	05/07/25 09:32
Total/NA	Analysis	8270E		1	454804	V7YZ	EET CF	05/15/25 19:35
Total/NA	Prep	3510C			453954	J5BR	EET CF	05/07/25 09:32
Total/NA	Analysis	8270E		1	454595	V7YZ	EET CF	05/14/25 12:40
Total/NA	Analysis	8015C		1	454235	BW2O	EET CF	05/09/25 14:03
Total/NA	Prep	3511			453945	BW2O	EET CF	05/07/25 08:44
Total/NA	Analysis	8081B		1	453943	BW2O	EET CF	05/07/25 14:22
Total/NA	Prep	3511			453945	BW2O	EET CF	05/07/25 08:44
Total/NA	Analysis	8082A		1	453941	BW2O	EET CF	05/07/25 14:22
Total/NA	Prep	8151A			642888	QJZ6	ELLE	05/12/25 15:09
Total/NA	Analysis	8151A		1	643100	UAMZ	ELLE	05/13/25 11:41
Total/NA	Prep	3005A			454185	Y3EC	EET CF	05/09/25 07:15
Total/NA	Analysis	6020B		1	454355	ZRI4	EET CF	05/09/25 14:56
Total/NA	Prep	7470A			454445	F5MW	EET CF	05/14/25 08:46
Total/NA	Analysis	7470A		1	454718	F5MW	EET CF	05/14/25 13:54
Total/NA	Prep	9012B			454263	ENB7	EET CF	05/09/25 09:40
Total/NA	Analysis	9012B		1	454336	ZJX4	EET CF	05/09/25 19:26
Total/NA	Analysis	9034		1	816997	CLB	EET CHI	05/08/25 23:21 - 05/08/25 23:25 [1]
Total/NA	Analysis	I-3765-85		1	454054	MDU9	EET CF	05/07/25 18:48

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Ground Water	1,2,4-Trichlorobenzene
8260D		Ground Water	Allyl chloride
8260D		Ground Water	Ethyl methacrylate

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	05-19-25
A2LA	Dept. of Energy	0001.01	05-19-25
A2LA	ISO/IEC 17025	0001.01	05-19-25
Alabama	State	43200	01-31-26
Alaska	State	PA00009	05-13-25
Alaska (UST)	State	17-027	05-18-25
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	05-18-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	05-18-25
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	05-15-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	05-19-25
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	05-13-25
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	05-15-25

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	05-18-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	05-18-25
Oregon	NELAP	PA200001	05-14-25
Pennsylvania	NELAP	36-00037	05-18-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	05-15-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	05-18-25
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	05-19-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8015C	Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
8151A	Herbicides (GC)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9012B	Cyanide, Total andor Amenable	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	ELLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

eurofins | Environment Testing America

310-305649 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY Omaha STATE NE Project:

Receipt Information

Date/Time Received: DATE 5/6/25 TIME 1630 Received By: KB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 1 of 2

Cooler Custody Seals Present? ☐ Yes ☐ No *If yes:* Cooler custody seals intact? ☒ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: 2 Correction Factor (°C): 0

• **Temp Blank Temperature** – *If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature*

Uncorrected Temp (°C): 2.1 Corrected Temp (°C): 2.1

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY Omaha STATE NE Project:

Receipt Information

Date/Time Received: DATE 5/6/25 TIME 1630 Received By: KB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other._____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes ☐ No	*If yes:* Cooler ID·
Multiple Coolers?	☒ Yes ☐ No	*If yes:* Cooler # 2 of 2
Cooler Custody Seals Present? No	☒ Yes ☐ No	*If yes:* Cooler custody seals intact? ☒ Yes ☐
Sample Custody Seals Present? No	☐ Yes ☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐
Trip Blank Present?	☐ Yes ☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other._____ ☐ NONE

Thermometer ID: 2 Correction Factor (°C): 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 0.6 Corrected Temp (°C). 0.6

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C)·		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

Client Information	Sampler: Sara Fuhrmeister	Lab PM: Calhoun, Conner M	Carrier Tracking No(s):	COC No: 310-105392-28018 1
Client Contact: Richard Wilson	Phone: 319-936-5194	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin:	Page: Page of
Company: HDR Inc	PWSID:			Job #:
Address: 1917 S 67th Street	Due Date Requested:			
City: Omaha	TAT Requested (days):			
State, Zip: NE 68106	Compliance Project: ☐ Yes ☐ No			
Phone: 402-392-6714(Tel)	PO #:			
Email: richard.wilson2@hdrinc.com	WO #:			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL
N None
D HNO3
B NaOH
CB ZnAcetate/NaOH
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil,	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix 1	Appendix 2	TSS	Metals List- As, Ba Co Cu, Pb, Ni	App 1 VOCs Only	Sulfide	Natural Attenuation- Nitrate sulfate TOC Fe Mn	Dichlorodifluoromethane- 8260D	Bis[2-ethylhexyl] phthalate 8270E	Arsenic	Cobalt	Benzene only	Tetrachloroethene trichloroethene, vinyl chloride-8260D	Total Number of containers	Special Instructions/Note
			Preservation Code:																		
MW-40B	5-5-25	7:29	G	Water			X		X												Natural Attenuation = NITRATE Sulfate TOC, 6020- Fe, Mn
MW-29A	5.5.25	7:56	G	Water				X	X												
MW-210B	5-5-25	8.55	G	Water				X	X												
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	

Possible Hazard Identification
Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client Disposal By Lab Archive For Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
Tony Worrell	5/6/25 10:27			5/6/25 1027	
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
				5.6.25 1630	
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temperature(s) oC and Other Remarks:

Ver: 05/06/2024

5/20/2025

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-82796.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State - Iowa; State Program - Iowa		Job #: 310-305649-1
Address: 2425 New Holland Pike,	Due Date Requested: 5/19/2025			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	B151A/8151A_AP Appendix II Herbicides	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-29A (310-305649-2)	5/5/25	07:56 Central	G	Water			X	2	
MW-210B (310-305649-3)	5/5/25	08:55 Central	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		5/25 1210				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 05/09/25 1000	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: R: 1.2 C: 1.2

Ver: 10/10/2024

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-82804 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et eurofinsus com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State - Iowa, State Program - Iowa		Job #: 310-305649-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 5/19/2025			
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

310-305649 COC

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-29A (310-305649-2)	5/5/25	07 56 Central	G	Water			X	1	
MW-210B (310-305649-3)	5/5/25	08 55 Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	5/7/25 1420		Stephanie Hernandez	5/8/25 0930	EETA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		2.4+2.7

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305649-1

Login Number: 305649

List Source: Eurofins Cedar Falls

List Number: 1

Creator: Calhoun, Conner M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305649-1

Login Number: 305649
List Number: 3
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago
List Creation: 05/08/25 04:37 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305649-1

Login Number: 305649
List Number: 2
Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/08/25 02:09 PM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Quantitation Limit Exceptions Summary

Client: HDR Inc
Job ID: 310-305649-1
Project/Site: Iowa City Landfill Spring 2025

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260D	1,2-Dibromo-3-Chloropropane	Ground Water	Total/NA	ug/L	1.20	5
8260D	1,2-Dibromoethane (EDB)	Ground Water	Total/NA	ug/L	0.340	1

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Wilson
HDR Inc
1917 S 67th Street
Omaha, Nebraska 68106

Generated 5/22/2025 8:39:20 AM

JOB DESCRIPTION

Iowa City Landfill Spring 2025

JOB NUMBER

310-305780-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 6
Detection Summary 7
Client Sample Results 8
Definitions 38
Surrogate Summary 39
QC Sample Results 42
QC Association 66
Chronicle 71
Certification Summary 75
Method Summary 77
Chain of Custody 78
Receipt Checklists 84
Detection Limit Exceptions Summary 87

Job Narrative
310-305780-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/7/2025 3:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.7°C, 0.8°C and 1.3°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 310-454123 recovered outside of the control limits for Bromomethane (-22.9%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is impacted: (CCV 310-454123/4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 310-454110. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-454341 recovered above the upper control limit for 1,3-Dinitrobenzene(20.7%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-454341/2).

Method 8270E: The surrogate recovery for the blank associated with preparation batch 310-454110 and analytical batch 310-454341 was outside the upper control limits.

Method 8270E: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-454110 and analytical batch 310-454804 recovered outside control limits for the following analyte(s): 1,4-phenylenediamine. 1,4-phenylenediamine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-454804 recovered above the upper control limit for 2-Acetylaminofluorene(54.2%D), Chlorobenzilate(75.1%D), 2,4-Dinitrotoluene(25.8%D), Dinoseb(21.7%D), Ethyl Parathion(28.1%D), Methyl parathion(28.6%D), 3-Nitroaniline(22.5%D), o-Toluidine(28.7%D), 2,3,4,6-Tetrachlorophenol(21.1%D) and 2,4,6-Tribromophenol (Surr)(30.0%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-454804/2).

Method 8270E: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 310-454110 and analytical batch 310-454804 recovered outside control limits for the following analytes: Chlorobenzilate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The surrogate recovery for the blank associated with preparation batch 310-454110 and analytical batch 310-454804 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Job ID: 310-305780-1 (Continued) Eurofins Cedar Falls

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-305780-1	MW1B	Water	05/06/25 09:05	05/07/25 15:45
310-305780-2	MW-201A	Water	05/06/25 09:49	05/07/25 15:45
310-305780-3	MW-203A	Water	05/06/25 10:42	05/07/25 15:45
310-305780-4	MW-7B1	Water	05/06/25 12:45	05/07/25 15:45
310-305780-5	MW-5B	Water	05/06/25 13:38	05/07/25 15:45

Detection Summary

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW1B — Lab Sample ID: 310-305780-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00148	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.553		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000353	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Copper	0.00357	J	0.00500	0.00320	mg/L	1		6020B	Total/NA
Total Suspended Solids	53.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-201A — Lab Sample ID: 310-305780-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1221	10.2		1.81	0.744	ug/L	1		8082A	Total/NA
Barium	0.175		0.00200	0.000660	mg/L	1		6020B	Total/NA

Client Sample ID: MW-203A — Lab Sample ID: 310-305780-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.298		0.00200	0.000660	mg/L	1		6020B	Total/NA
Chromium	0.00307	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Total Suspended Solids	1.88		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-7B1 — Lab Sample ID: 310-305780-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.456	J	1.00	0.220	ug/L	1		8260D	Total/NA
Vinyl chloride	0.217	J	1.00	0.180	ug/L	1		8260D	Total/NA
Arsenic	0.00361		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.444		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000186	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	43.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-5B — Lab Sample ID: 310-305780-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000655	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.198		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00120		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00615		0.00500	0.00230	mg/L	1		6020B	Total/NA
Zinc	0.0153	J	0.0200	0.0130	mg/L	1		6020B	Total/NA
Total Suspended Solids	4.25		1.88	1.31	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW1B
Lab Sample ID: 310-305780-1
Date Collected: 05/06/25 09:05
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/09/25 16:17	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/09/25 16:17	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/09/25 16:17	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/09/25 16:17	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/09/25 16:17	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/09/25 16:17	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/09/25 16:17	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/09/25 16:17	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/09/25 16:17	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/09/25 16:17	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/09/25 16:17	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/09/25 16:17	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/09/25 16:17	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/09/25 16:17	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/09/25 16:17	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/09/25 16:17	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/09/25 16:17	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/09/25 16:17	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/09/25 16:17	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/09/25 16:17	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/09/25 16:17	1
Acetone	<10.0		10.0	3.10	ug/L			05/09/25 16:17	1
Acrolein	<10.0		10.0	3.60	ug/L			05/09/25 16:17	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/09/25 16:17	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/09/25 16:17	1
Benzene	<0.500		0.500	0.220	ug/L			05/09/25 16:17	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/09/25 16:17	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/09/25 16:17	1
Bromoform	<5.00		5.00	0.780	ug/L			05/09/25 16:17	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/09/25 16:17	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/09/25 16:17	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/09/25 16:17	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/09/25 16:17	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/09/25 16:17	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/09/25 16:17	1
Chloroform	<3.00		3.00	1.30	ug/L			05/09/25 16:17	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/09/25 16:17	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/09/25 16:17	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/09/25 16:17	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/09/25 16:17	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/09/25 16:17	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/09/25 16:17	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/09/25 16:17	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/09/25 16:17	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/09/25 16:17	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/09/25 16:17	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/09/25 16:17	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/09/25 16:17	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/09/25 16:17	1

Client Sample ID: MW1B
Lab Sample ID: 310-305780-1
Date Collected: 05/06/25 09:05
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/09/25 16:17	1
Styrene	<1.00		1.00	0.370	ug/L			05/09/25 16:17	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/09/25 16:17	1
Toluene	<1.00		1.00	0.430	ug/L			05/09/25 16:17	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/09/25 16:17	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/09/25 16:17	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/09/25 16:17	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/09/25 16:17	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/09/25 16:17	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/09/25 16:17	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/09/25 16:17	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/09/25 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*76 - 130*		*05/09/25 16:17*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/09/25 16:17*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*05/09/25 16:17*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.4		10.4	0.667	ug/L		05/08/25 09:38	05/10/25 10:27	1
Acenaphthylene	<10.4		10.4	0.750	ug/L		05/08/25 09:38	05/10/25 10:27	1
Acetophenone	<10.4		10.4	0.719	ug/L		05/08/25 09:38	05/10/25 10:27	1
2-Acetylaminofluorene	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/15/25 14:44	1
4-Aminobiphenyl	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/15/25 14:44	1
Anthracene	<10.4		10.4	0.906	ug/L		05/08/25 09:38	05/10/25 10:27	1
Benzo[a]anthracene	<10.4		10.4	0.885	ug/L		05/08/25 09:38	05/10/25 10:27	1
Benzo[a]pyrene	<10.4		10.4	8.44	ug/L		05/08/25 09:38	05/10/25 10:27	1
Benzo[b]fluoranthene	<10.4		10.4	5.10	ug/L		05/08/25 09:38	05/10/25 10:27	1
Benzo[g,h,i]perylene	<10.4		10.4	6.56	ug/L		05/08/25 09:38	05/10/25 10:27	1
Benzo[k]fluoranthene	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/10/25 10:27	1
Benzyl alcohol	<10.4		10.4	1.35	ug/L		05/08/25 09:38	05/10/25 10:27	1
Bis(2-chloroethoxy)methane	<10.4		10.4	0.792	ug/L		05/08/25 09:38	05/10/25 10:27	1
Bis(2-chloroethyl)ether	<10.4		10.4	0.854	ug/L		05/08/25 09:38	05/10/25 10:27	1
bis (2-chloroisopropyl) ether	<10.4		10.4	0.563	ug/L		05/08/25 09:38	05/10/25 10:27	1
Bis(2-ethylhexyl) phthalate	<10.4		10.4	5.73	ug/L		05/08/25 09:38	05/10/25 10:27	1
4-Bromophenyl phenyl ether	<10.4		10.4	0.729	ug/L		05/08/25 09:38	05/10/25 10:27	1
Butyl benzyl phthalate	<10.4		10.4	5.63	ug/L		05/08/25 09:38	05/10/25 10:27	1
4-Chloroaniline	<10.4		10.4	0.646	ug/L		05/08/25 09:38	05/10/25 10:27	1
Chlorobenzilate	<10.4	*+	10.4	3.75	ug/L		05/08/25 09:38	05/15/25 14:44	1
4-Chloro-3-methylphenol	<10.4		10.4	0.875	ug/L		05/08/25 09:38	05/10/25 10:27	1
2-Chloronaphthalene	<10.4		10.4	0.667	ug/L		05/08/25 09:38	05/10/25 10:27	1
2-Chlorophenol	<10.4		10.4	0.563	ug/L		05/08/25 09:38	05/10/25 10:27	1
4-Chlorophenyl phenyl ether	<10.4		10.4	0.719	ug/L		05/08/25 09:38	05/10/25 10:27	1
Chrysene	<10.4		10.4	0.906	ug/L		05/08/25 09:38	05/10/25 10:27	1
Diallate	<10.4		10.4	4.17	ug/L		05/08/25 09:38	05/15/25 14:44	1
Dibenzo(a,h)anthracene	<10.4		10.4	4.06	ug/L		05/08/25 09:38	05/10/25 10:27	1
Dibenzofuran	<10.4		10.4	0.771	ug/L		05/08/25 09:38	05/10/25 10:27	1
3,3'-Dichlorobenzidine	<10.4		10.4	1.46	ug/L		05/08/25 09:38	05/10/25 10:27	1
2,4-Dichlorophenol	<10.4		10.4	0.885	ug/L		05/08/25 09:38	05/10/25 10:27	1

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW1B
Lab Sample ID: 310-305780-1
Date Collected: 05/06/25 09:05
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.4		10.4	0.719	ug/L		05/08/25 09:38	05/10/25 10:27	1
Diethyl phthalate	<10.4		10.4	1.77	ug/L		05/08/25 09:38	05/10/25 10:27	1
Dimethoate	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 14:44	1
7,12-Dimethylbenz(a)anthracene	<10.4		10.4	1.98	ug/L		05/08/25 09:38	05/15/25 14:44	1
3,3'-Dimethylbenzidine	<10.4		10.4	1.56	ug/L		05/08/25 09:38	05/15/25 14:44	1
2,4-Dimethylphenol	<10.4		10.4	0.604	ug/L		05/08/25 09:38	05/10/25 10:27	1
Dimethyl phthalate	<10.4		10.4	1.04	ug/L		05/08/25 09:38	05/10/25 10:27	1
Di-n-butyl phthalate	<10.4		10.4	5.83	ug/L		05/08/25 09:38	05/10/25 10:27	1
1,3-Dinitrobenzene	<10.4		10.4	3.33	ug/L		05/08/25 09:38	05/10/25 10:27	1
4,6-Dinitro-2-methylphenol	<10.4		10.4	7.19	ug/L		05/08/25 09:38	05/10/25 10:27	1
2,4-Dinitrophenol	<20.8		20.8	13.5	ug/L		05/08/25 09:38	05/10/25 10:27	1
2,4-Dinitrotoluene	<10.4		10.4	6.67	ug/L		05/08/25 09:38	05/10/25 10:27	1
2,6-Dinitrotoluene	<10.4		10.4	0.542	ug/L		05/08/25 09:38	05/10/25 10:27	1
Di-n-octyl phthalate	<20.8		20.8	7.29	ug/L		05/08/25 09:38	05/10/25 10:27	1
Dinoseb	<10.4		10.4	2.50	ug/L		05/08/25 09:38	05/15/25 14:44	1
Diphenylamine	<10.4		10.4	6.25	ug/L		05/08/25 09:38	05/10/25 10:27	1
Disulfoton	<10.4		10.4	2.50	ug/L		05/08/25 09:38	05/15/25 14:44	1
Ethyl methanesulfonate	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 14:44	1
Ethyl Parathion	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/15/25 14:44	1
Famphur	<10.4		10.4	3.96	ug/L		05/08/25 09:38	05/21/25 17:03	1
Fluoranthene	<10.4		10.4	1.77	ug/L		05/08/25 09:38	05/10/25 10:27	1
Fluorene	<10.4		10.4	0.823	ug/L		05/08/25 09:38	05/10/25 10:27	1
Hexachlorobenzene	<10.4		10.4	0.729	ug/L		05/08/25 09:38	05/10/25 10:27	1
Hexachlorobutadiene	<10.4		10.4	0.896	ug/L		05/08/25 09:38	05/10/25 10:27	1
Hexachlorocyclopentadiene	<10.4		10.4	5.31	ug/L		05/08/25 09:38	05/10/25 10:27	1
Hexachloroethane	<10.4		10.4	1.01	ug/L		05/08/25 09:38	05/10/25 10:27	1
Hexachloropropene	<10.4		10.4	2.71	ug/L		05/08/25 09:38	05/15/25 14:44	1
Indeno[1,2,3-cd]pyrene	<10.4		10.4	4.38	ug/L		05/08/25 09:38	05/10/25 10:27	1
Isodrin	<10.4		10.4	4.90	ug/L		05/08/25 09:38	05/15/25 14:44	1
Isophorone	<10.4		10.4	0.969	ug/L		05/08/25 09:38	05/10/25 10:27	1
Isosafrole	<10.4		10.4	2.40	ug/L		05/08/25 09:38	05/15/25 14:44	1
Kepone	<10.4		10.4	1.04	ug/L		05/08/25 09:38	05/15/25 14:44	1
Methapyrilene	<10.4		10.4	0.792	ug/L		05/08/25 09:38	05/15/25 14:44	1
3-Methylcholanthrene	<10.4		10.4	0.333	ug/L		05/08/25 09:38	05/15/25 14:44	1
Methyl methanesulfonate	<10.4		10.4	3.44	ug/L		05/08/25 09:38	05/15/25 14:44	1
2-Methylnaphthalene	<10.4		10.4	0.615	ug/L		05/08/25 09:38	05/10/25 10:27	1
Methyl parathion	<10.4		10.4	2.40	ug/L		05/08/25 09:38	05/15/25 14:44	1
2-Methylphenol	<10.4		10.4	0.677	ug/L		05/08/25 09:38	05/10/25 10:27	1
Methylphenol, 3 & 4	<10.4		10.4	0.729	ug/L		05/08/25 09:38	05/10/25 10:27	1
1,4-Naphthoquinone	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 14:44	1
1-Naphthylamine	<10.4		10.4	2.60	ug/L		05/08/25 09:38	05/15/25 14:44	1
2-Naphthylamine	<10.4		10.4	2.19	ug/L		05/08/25 09:38	05/15/25 14:44	1
2-Nitroaniline	<10.4		10.4	6.15	ug/L		05/08/25 09:38	05/10/25 10:27	1
3-Nitroaniline	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/10/25 10:27	1
4-Nitroaniline	<10.4		10.4	1.35	ug/L		05/08/25 09:38	05/10/25 10:27	1
Nitrobenzene	<10.4		10.4	0.833	ug/L		05/08/25 09:38	05/10/25 10:27	1
5-Nitro-o-toluidine	<10.4		10.4	2.92	ug/L		05/08/25 09:38	05/15/25 14:44	1
2-Nitrophenol	<10.4		10.4	7.08	ug/L		05/08/25 09:38	05/10/25 10:27	1
4-Nitrophenol	<10.4		10.4	7.92	ug/L		05/08/25 09:38	05/10/25 10:27	1

Client Sample ID: MW1B
Lab Sample ID: 310-305780-1
Date Collected: 05/06/25 09:05
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.4		10.4	3.54	ug/L		05/08/25 09:38	05/15/25 14:44	1
N-Nitrosodimethylamine	<10.4		10.4	0.750	ug/L		05/08/25 09:38	05/10/25 10:27	1
N-Nitrosodi-n-butylamine	<10.4		10.4	4.06	ug/L		05/08/25 09:38	05/15/25 14:44	1
N-Nitrosodi-n-propylamine	<10.4		10.4	0.958	ug/L		05/08/25 09:38	05/10/25 10:27	1
N-Nitrosodiphenylamine	<10.4		10.4	0.781	ug/L		05/08/25 09:38	05/10/25 10:27	1
N-Nitrosomethylethylamine	<10.4		10.4	5.10	ug/L		05/08/25 09:38	05/15/25 14:44	1
N-Nitrosopiperidine	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/15/25 14:44	1
N-Nitrosopyrrolidine	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 14:44	1
o,o',o''-Triethylphosphorothioate	<10.4		10.4	3.33	ug/L		05/08/25 09:38	05/15/25 14:44	1
o-Toluidine	<10.4		10.4	3.02	ug/L		05/08/25 09:38	05/15/25 14:44	1
p-Dimethylamino azobenzene	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/15/25 14:44	1
Pentachlorobenzene	<10.4		10.4	2.92	ug/L		05/08/25 09:38	05/15/25 14:44	1
Pentachloronitrobenzene	<10.4		10.4	6.04	ug/L		05/08/25 09:38	05/15/25 14:44	1
Pentachlorophenol	<10.4		10.4	10.0	ug/L		05/08/25 09:38	05/10/25 10:27	1
Phenacetin	<10.4		10.4	1.98	ug/L		05/08/25 09:38	05/15/25 14:44	1
Phenanthrene	<10.4		10.4	0.823	ug/L		05/08/25 09:38	05/10/25 10:27	1
Phenol	<10.4		10.4	1.15	ug/L		05/08/25 09:38	05/10/25 10:27	1
1,4-phenylenediamine	<10.4	*-	10.4	1.98	ug/L		05/08/25 09:38	05/15/25 14:44	1
Phorate	<10.4		10.4	3.33	ug/L		05/08/25 09:38	05/15/25 14:44	1
Pronamide	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/15/25 14:44	1
Pyrene	<10.4		10.4	0.823	ug/L		05/08/25 09:38	05/10/25 10:27	1
Safrole	<10.4		10.4	2.92	ug/L		05/08/25 09:38	05/15/25 14:44	1
1,2,4,5-Tetrachlorobenzene	<10.4		10.4	0.563	ug/L		05/08/25 09:38	05/10/25 10:27	1
2,3,4,6-Tetrachlorophenol	<10.4		10.4	5.52	ug/L		05/08/25 09:38	05/10/25 10:27	1
Thionazin	<10.4		10.4	3.65	ug/L		05/08/25 09:38	05/15/25 14:44	1
2,4,5-Trichlorophenol	<10.4		10.4	5.52	ug/L		05/08/25 09:38	05/10/25 10:27	1
2,4,6-Trichlorophenol	<10.4		10.4	5.21	ug/L		05/08/25 09:38	05/10/25 10:27	1
1,3,5-Trinitrobenzene	<10.4		10.4	2.40	ug/L		05/08/25 09:38	05/15/25 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*101*		*39 - 118*	*05/08/25 09:38*	*05/10/25 10:27*	*1*
2-Fluorobiphenyl (Surr)	*101*		*39 - 118*	*05/08/25 09:38*	*05/15/25 14:44*	*1*
2-Fluorophenol (Surr)	*70*		*25 - 110*	*05/08/25 09:38*	*05/10/25 10:27*	*1*
2-Fluorophenol (Surr)	*73*		*25 - 110*	*05/08/25 09:38*	*05/15/25 14:44*	*1*
Nitrobenzene-d5 (Surr)	*78*		*45 - 129*	*05/08/25 09:38*	*05/10/25 10:27*	*1*
Nitrobenzene-d5 (Surr)	*89*		*45 - 129*	*05/08/25 09:38*	*05/15/25 14:44*	*1*
Phenol-d5 (Surr)	*60*		*21 - 110*	*05/08/25 09:38*	*05/10/25 10:27*	*1*
Phenol-d5 (Surr)	*67*		*21 - 110*	*05/08/25 09:38*	*05/15/25 14:44*	*1*
Terphenyl-d14 (Surr)	*87*		*12 - 144*	*05/08/25 09:38*	*05/10/25 10:27*	*1*
Terphenyl-d14 (Surr)	*116*		*12 - 144*	*05/08/25 09:38*	*05/15/25 14:44*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*27 - 136*	*05/08/25 09:38*	*05/10/25 10:27*	*1*
2,4,6-Tribromophenol (Surr)	*112*		*27 - 136*	*05/08/25 09:38*	*05/15/25 14:44*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/09/25 14:22	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/09/25 14:22	1

Client Sample ID: MW1B
Lab Sample ID: 310-305780-1
Date Collected: 05/06/25 09:05
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0904		0.0904	0.0226	ug/L		05/08/25 12:17	05/08/25 15:47	1
4,4'-DDE	<0.0904		0.0904	0.0271	ug/L		05/08/25 12:17	05/08/25 15:47	1
4,4'-DDT	<0.0904		0.0904	0.0181	ug/L		05/08/25 12:17	05/08/25 15:47	1
Aldrin	<0.0904		0.0904	0.0199	ug/L		05/08/25 12:17	05/08/25 15:47	1
alpha-BHC	<0.0904		0.0904	0.00904	ug/L		05/08/25 12:17	05/08/25 15:47	1
beta-BHC	<0.0904		0.0904	0.0380	ug/L		05/08/25 12:17	05/08/25 15:47	1
Chlordane (technical)	<1.81		1.81	0.353	ug/L		05/08/25 12:17	05/08/25 15:47	1
delta-BHC	<0.0904		0.0904	0.0289	ug/L		05/08/25 12:17	05/08/25 15:47	1
Dieldrin	<0.0904		0.0904	0.0190	ug/L		05/08/25 12:17	05/08/25 15:47	1
Endosulfan I	<0.0904		0.0904	0.0253	ug/L		05/08/25 12:17	05/08/25 15:47	1
Endosulfan II	<0.0904		0.0904	0.0235	ug/L		05/08/25 12:17	05/08/25 15:47	1
Endosulfan sulfate	<0.0904		0.0904	0.0163	ug/L		05/08/25 12:17	05/08/25 15:47	1
Endrin	<0.0904		0.0904	0.0253	ug/L		05/08/25 12:17	05/08/25 15:47	1
Endrin aldehyde	<0.0904		0.0904	0.0244	ug/L		05/08/25 12:17	05/08/25 15:47	1
gamma-BHC (Lindane)	<0.0904		0.0904	0.00904	ug/L		05/08/25 12:17	05/08/25 15:47	1
Heptachlor	<0.0904		0.0904	0.0208	ug/L		05/08/25 12:17	05/08/25 15:47	1
Heptachlor epoxide	<0.0904		0.0904	0.0289	ug/L		05/08/25 12:17	05/08/25 15:47	1
Methoxychlor	<0.0904		0.0904	0.0289	ug/L		05/08/25 12:17	05/08/25 15:47	1
Toxaphene	<1.81		1.81	0.904	ug/L		05/08/25 12:17	05/08/25 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*59*		*10 - 150*	*05/08/25 12:17*	*05/08/25 15:47*	*1*
Tetrachloro-m-xylene	*66*		*17 - 150*	*05/08/25 12:17*	*05/08/25 15:47*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.81		1.81	0.742	ug/L		05/08/25 12:17	05/08/25 15:47	1
PCB-1221	<1.81		1.81	0.742	ug/L		05/08/25 12:17	05/08/25 15:47	1
PCB-1232	<1.81		1.81	0.742	ug/L		05/08/25 12:17	05/08/25 15:47	1
PCB-1242	<1.81		1.81	0.742	ug/L		05/08/25 12:17	05/08/25 15:47	1
PCB-1248	<1.81		1.81	0.624	ug/L		05/08/25 12:17	05/08/25 15:47	1
PCB-1254	<1.81		1.81	0.624	ug/L		05/08/25 12:17	05/08/25 15:47	1
PCB-1260	<1.81		1.81	0.624	ug/L		05/08/25 12:17	05/08/25 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*59*		*10 - 150*	*05/08/25 12:17*	*05/08/25 15:47*	*1*
Tetrachloro-m-xylene	*66*		*17 - 150*	*05/08/25 12:17*	*05/08/25 15:47*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.645		0.645	0.269	ug/L		05/13/25 09:25	05/14/25 08:41	1
Silvex (2,4,5-TP)	<0.0537		0.0537	0.0236	ug/L		05/13/25 09:25	05/14/25 08:41	1
2,4,5-T	<0.161		0.161	0.0698	ug/L		05/13/25 09:25	05/14/25 08:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*99*		*34 - 142*	*05/13/25 09:25*	*05/14/25 08:41*	*1*
DCAA	*84*		*34 - 142*	*05/13/25 09:25*	*05/14/25 08:41*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/12/25 08:00	05/14/25 17:17	1

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW1B
Lab Sample ID: 310-305780-1
Date Collected: 05/06/25 09:05
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00148**	**J**	0.00200	0.000530	mg/L		05/12/25 08:00	05/14/25 17:17	1
Barium	**0.553**		0.00200	0.000660	mg/L		05/12/25 08:00	05/14/25 17:17	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/12/25 08:00	05/14/25 17:17	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/12/25 08:00	05/14/25 17:17	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/12/25 08:00	05/14/25 17:17	1
Cobalt	**0.000353**	**J**	0.000500	0.000170	mg/L		05/12/25 08:00	05/14/25 17:17	1
Copper	**0.00357**	**J**	0.00500	0.00320	mg/L		05/12/25 08:00	05/14/25 17:17	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/12/25 08:00	05/14/25 17:17	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/12/25 08:00	05/14/25 17:17	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/12/25 08:00	05/14/25 17:17	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/12/25 08:00	05/14/25 17:17	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/12/25 08:00	05/14/25 17:17	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/12/25 08:00	05/14/25 17:17	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/12/25 08:00	05/14/25 17:17	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/12/25 08:00	05/14/25 17:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/14/25 08:46	05/14/25 14:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/12/25 09:57	05/14/25 21:23	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/12/25 01:42	1
Total Suspended Solids (USGS I-3765-85)	**53.0**		15.0	10.5	mg/L			05/08/25 14:34	1

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-201A
Lab Sample ID: 310-305780-2
Date Collected: 05/06/25 09:49
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/09/25 16:40	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/09/25 16:40	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/09/25 16:40	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/09/25 16:40	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/09/25 16:40	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/09/25 16:40	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/09/25 16:40	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/09/25 16:40	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/09/25 16:40	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/09/25 16:40	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/09/25 16:40	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/09/25 16:40	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/09/25 16:40	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/09/25 16:40	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/09/25 16:40	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/09/25 16:40	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/09/25 16:40	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/09/25 16:40	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/09/25 16:40	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/09/25 16:40	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/09/25 16:40	1
Acetone	<10.0		10.0	3.10	ug/L			05/09/25 16:40	1
Acrolein	<10.0		10.0	3.60	ug/L			05/09/25 16:40	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/09/25 16:40	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/09/25 16:40	1
Benzene	<0.500		0.500	0.220	ug/L			05/09/25 16:40	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/09/25 16:40	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/09/25 16:40	1
Bromoform	<5.00		5.00	0.780	ug/L			05/09/25 16:40	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/09/25 16:40	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/09/25 16:40	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/09/25 16:40	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/09/25 16:40	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/09/25 16:40	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/09/25 16:40	1
Chloroform	<3.00		3.00	1.30	ug/L			05/09/25 16:40	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/09/25 16:40	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/09/25 16:40	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/09/25 16:40	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/09/25 16:40	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/09/25 16:40	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/09/25 16:40	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/09/25 16:40	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/09/25 16:40	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/09/25 16:40	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/09/25 16:40	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/09/25 16:40	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/09/25 16:40	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/09/25 16:40	1

Client Sample ID: MW-201A
Lab Sample ID: 310-305780-2
Date Collected: 05/06/25 09:49
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/09/25 16:40	1
Styrene	<1.00		1.00	0.370	ug/L			05/09/25 16:40	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/09/25 16:40	1
Toluene	<1.00		1.00	0.430	ug/L			05/09/25 16:40	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/09/25 16:40	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/09/25 16:40	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/09/25 16:40	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/09/25 16:40	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/09/25 16:40	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/09/25 16:40	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/09/25 16:40	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/09/25 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*76 - 130*		*05/09/25 16:40*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/09/25 16:40*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/09/25 16:40*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.4		10.4	0.667	ug/L		05/08/25 09:38	05/10/25 10:57	1
Acenaphthylene	<10.4		10.4	0.750	ug/L		05/08/25 09:38	05/10/25 10:57	1
Acetophenone	<10.4		10.4	0.719	ug/L		05/08/25 09:38	05/10/25 10:57	1
2-Acetylaminofluorene	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/15/25 15:11	1
4-Aminobiphenyl	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/15/25 15:11	1
Anthracene	<10.4		10.4	0.906	ug/L		05/08/25 09:38	05/10/25 10:57	1
Benzo[a]anthracene	<10.4		10.4	0.885	ug/L		05/08/25 09:38	05/10/25 10:57	1
Benzo[a]pyrene	<10.4		10.4	8.44	ug/L		05/08/25 09:38	05/10/25 10:57	1
Benzo[b]fluoranthene	<10.4		10.4	5.10	ug/L		05/08/25 09:38	05/10/25 10:57	1
Benzo[g,h,i]perylene	<10.4		10.4	6.56	ug/L		05/08/25 09:38	05/10/25 10:57	1
Benzo[k]fluoranthene	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/10/25 10:57	1
Benzyl alcohol	<10.4		10.4	1.35	ug/L		05/08/25 09:38	05/10/25 10:57	1
Bis(2-chloroethoxy)methane	<10.4		10.4	0.792	ug/L		05/08/25 09:38	05/10/25 10:57	1
Bis(2-chloroethyl)ether	<10.4		10.4	0.854	ug/L		05/08/25 09:38	05/10/25 10:57	1
bis (2-chloroisopropyl) ether	<10.4		10.4	0.563	ug/L		05/08/25 09:38	05/10/25 10:57	1
Bis(2-ethylhexyl) phthalate	<10.4		10.4	5.73	ug/L		05/08/25 09:38	05/10/25 10:57	1
4-Bromophenyl phenyl ether	<10.4		10.4	0.729	ug/L		05/08/25 09:38	05/10/25 10:57	1
Butyl benzyl phthalate	<10.4		10.4	5.63	ug/L		05/08/25 09:38	05/10/25 10:57	1
4-Chloroaniline	<10.4		10.4	0.646	ug/L		05/08/25 09:38	05/10/25 10:57	1
Chlorobenzilate	<10.4	*+	10.4	3.75	ug/L		05/08/25 09:38	05/15/25 15:11	1
4-Chloro-3-methylphenol	<10.4		10.4	0.875	ug/L		05/08/25 09:38	05/10/25 10:57	1
2-Chloronaphthalene	<10.4		10.4	0.667	ug/L		05/08/25 09:38	05/10/25 10:57	1
2-Chlorophenol	<10.4		10.4	0.563	ug/L		05/08/25 09:38	05/10/25 10:57	1
4-Chlorophenyl phenyl ether	<10.4		10.4	0.719	ug/L		05/08/25 09:38	05/10/25 10:57	1
Chrysene	<10.4		10.4	0.906	ug/L		05/08/25 09:38	05/10/25 10:57	1
Diallate	<10.4		10.4	4.17	ug/L		05/08/25 09:38	05/15/25 15:11	1
Dibenzo(a,h)anthracene	<10.4		10.4	4.06	ug/L		05/08/25 09:38	05/10/25 10:57	1
Dibenzofuran	<10.4		10.4	0.771	ug/L		05/08/25 09:38	05/10/25 10:57	1
3,3'-Dichlorobenzidine	<10.4		10.4	1.46	ug/L		05/08/25 09:38	05/10/25 10:57	1
2,4-Dichlorophenol	<10.4		10.4	0.885	ug/L		05/08/25 09:38	05/10/25 10:57	1

Client Sample ID: MW-201A
Lab Sample ID: 310-305780-2
Date Collected: 05/06/25 09:49
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.4		10.4	0.719	ug/L		05/08/25 09:38	05/10/25 10:57	1
Diethyl phthalate	<10.4		10.4	1.77	ug/L		05/08/25 09:38	05/10/25 10:57	1
Dimethoate	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 15:11	1
7,12-Dimethylbenz(a)anthracene	<10.4		10.4	1.98	ug/L		05/08/25 09:38	05/15/25 15:11	1
3,3'-Dimethylbenzidine	<10.4		10.4	1.56	ug/L		05/08/25 09:38	05/15/25 15:11	1
2,4-Dimethylphenol	<10.4		10.4	0.604	ug/L		05/08/25 09:38	05/10/25 10:57	1
Dimethyl phthalate	<10.4		10.4	1.04	ug/L		05/08/25 09:38	05/10/25 10:57	1
Di-n-butyl phthalate	<10.4		10.4	5.83	ug/L		05/08/25 09:38	05/10/25 10:57	1
1,3-Dinitrobenzene	<10.4		10.4	3.33	ug/L		05/08/25 09:38	05/10/25 10:57	1
4,6-Dinitro-2-methylphenol	<10.4		10.4	7.19	ug/L		05/08/25 09:38	05/10/25 10:57	1
2,4-Dinitrophenol	<20.8		20.8	13.5	ug/L		05/08/25 09:38	05/10/25 10:57	1
2,4-Dinitrotoluene	<10.4		10.4	6.67	ug/L		05/08/25 09:38	05/10/25 10:57	1
2,6-Dinitrotoluene	<10.4		10.4	0.542	ug/L		05/08/25 09:38	05/10/25 10:57	1
Di-n-octyl phthalate	<20.8		20.8	7.29	ug/L		05/08/25 09:38	05/10/25 10:57	1
Dinoseb	<10.4		10.4	2.50	ug/L		05/08/25 09:38	05/15/25 15:11	1
Diphenylamine	<10.4		10.4	6.25	ug/L		05/08/25 09:38	05/10/25 10:57	1
Disulfoton	<10.4		10.4	2.50	ug/L		05/08/25 09:38	05/15/25 15:11	1
Ethyl methanesulfonate	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 15:11	1
Ethyl Parathion	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/15/25 15:11	1
Famphur	<10.4		10.4	3.96	ug/L		05/08/25 09:38	05/21/25 17:22	1
Fluoranthene	<10.4		10.4	1.77	ug/L		05/08/25 09:38	05/10/25 10:57	1
Fluorene	<10.4		10.4	0.823	ug/L		05/08/25 09:38	05/10/25 10:57	1
Hexachlorobenzene	<10.4		10.4	0.729	ug/L		05/08/25 09:38	05/10/25 10:57	1
Hexachlorobutadiene	<10.4		10.4	0.896	ug/L		05/08/25 09:38	05/10/25 10:57	1
Hexachlorocyclopentadiene	<10.4		10.4	5.31	ug/L		05/08/25 09:38	05/10/25 10:57	1
Hexachloroethane	<10.4		10.4	1.01	ug/L		05/08/25 09:38	05/10/25 10:57	1
Hexachloropropene	<10.4		10.4	2.71	ug/L		05/08/25 09:38	05/15/25 15:11	1
Indeno[1,2,3-cd]pyrene	<10.4		10.4	4.38	ug/L		05/08/25 09:38	05/10/25 10:57	1
Isodrin	<10.4		10.4	4.90	ug/L		05/08/25 09:38	05/15/25 15:11	1
Isophorone	<10.4		10.4	0.969	ug/L		05/08/25 09:38	05/10/25 10:57	1
Isosafrole	<10.4		10.4	2.40	ug/L		05/08/25 09:38	05/15/25 15:11	1
Kepone	<10.4		10.4	1.04	ug/L		05/08/25 09:38	05/15/25 15:11	1
Methapyrilene	<10.4		10.4	0.792	ug/L		05/08/25 09:38	05/15/25 15:11	1
3-Methylcholanthrene	<10.4		10.4	0.333	ug/L		05/08/25 09:38	05/15/25 15:11	1
Methyl methanesulfonate	<10.4		10.4	3.44	ug/L		05/08/25 09:38	05/15/25 15:11	1
2-Methylnaphthalene	<10.4		10.4	0.615	ug/L		05/08/25 09:38	05/10/25 10:57	1
Methyl parathion	<10.4		10.4	2.40	ug/L		05/08/25 09:38	05/15/25 15:11	1
2-Methylphenol	<10.4		10.4	0.677	ug/L		05/08/25 09:38	05/10/25 10:57	1
Methylphenol, 3 & 4	<10.4		10.4	0.729	ug/L		05/08/25 09:38	05/10/25 10:57	1
1,4-Naphthoquinone	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 15:11	1
1-Naphthylamine	<10.4		10.4	2.60	ug/L		05/08/25 09:38	05/15/25 15:11	1
2-Naphthylamine	<10.4		10.4	2.19	ug/L		05/08/25 09:38	05/15/25 15:11	1
2-Nitroaniline	<10.4		10.4	6.15	ug/L		05/08/25 09:38	05/10/25 10:57	1
3-Nitroaniline	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/10/25 10:57	1
4-Nitroaniline	<10.4		10.4	1.35	ug/L		05/08/25 09:38	05/10/25 10:57	1
Nitrobenzene	<10.4		10.4	0.833	ug/L		05/08/25 09:38	05/10/25 10:57	1
5-Nitro-o-toluidine	<10.4		10.4	2.92	ug/L		05/08/25 09:38	05/15/25 15:11	1
2-Nitrophenol	<10.4		10.4	7.08	ug/L		05/08/25 09:38	05/10/25 10:57	1
4-Nitrophenol	<10.4		10.4	7.92	ug/L		05/08/25 09:38	05/10/25 10:57	1

Client Sample ID: MW-201A
Lab Sample ID: 310-305780-2
Date Collected: 05/06/25 09:49
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.4		10.4	3.54	ug/L		05/08/25 09:38	05/15/25 15:11	1
N-Nitrosodimethylamine	<10.4		10.4	0.750	ug/L		05/08/25 09:38	05/10/25 10:57	1
N-Nitrosodi-n-butylamine	<10.4		10.4	4.06	ug/L		05/08/25 09:38	05/15/25 15:11	1
N-Nitrosodi-n-propylamine	<10.4		10.4	0.958	ug/L		05/08/25 09:38	05/10/25 10:57	1
N-Nitrosodiphenylamine	<10.4		10.4	0.781	ug/L		05/08/25 09:38	05/10/25 10:57	1
N-Nitrosomethylethylamine	<10.4		10.4	5.10	ug/L		05/08/25 09:38	05/15/25 15:11	1
N-Nitrosopiperidine	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/15/25 15:11	1
N-Nitrosopyrrolidine	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 15:11	1
o,o',o''-Triethylphosphorothioate	<10.4		10.4	3.33	ug/L		05/08/25 09:38	05/15/25 15:11	1
o-Toluidine	<10.4		10.4	3.02	ug/L		05/08/25 09:38	05/15/25 15:11	1
p-Dimethylamino azobenzene	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/15/25 15:11	1
Pentachlorobenzene	<10.4		10.4	2.92	ug/L		05/08/25 09:38	05/15/25 15:11	1
Pentachloronitrobenzene	<10.4		10.4	6.04	ug/L		05/08/25 09:38	05/15/25 15:11	1
Pentachlorophenol	<10.4		10.4	10.0	ug/L		05/08/25 09:38	05/10/25 10:57	1
Phenacetin	<10.4		10.4	1.98	ug/L		05/08/25 09:38	05/15/25 15:11	1
Phenanthrene	<10.4		10.4	0.823	ug/L		05/08/25 09:38	05/10/25 10:57	1
Phenol	<10.4		10.4	1.15	ug/L		05/08/25 09:38	05/10/25 10:57	1
1,4-phenylenediamine	<10.4	*-	10.4	1.98	ug/L		05/08/25 09:38	05/15/25 15:11	1
Phorate	<10.4		10.4	3.33	ug/L		05/08/25 09:38	05/15/25 15:11	1
Pronamide	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/15/25 15:11	1
Pyrene	<10.4		10.4	0.823	ug/L		05/08/25 09:38	05/10/25 10:57	1
Safrole	<10.4		10.4	2.92	ug/L		05/08/25 09:38	05/15/25 15:11	1
1,2,4,5-Tetrachlorobenzene	<10.4		10.4	0.563	ug/L		05/08/25 09:38	05/10/25 10:57	1
2,3,4,6-Tetrachlorophenol	<10.4		10.4	5.52	ug/L		05/08/25 09:38	05/10/25 10:57	1
Thionazin	<10.4		10.4	3.65	ug/L		05/08/25 09:38	05/15/25 15:11	1
2,4,5-Trichlorophenol	<10.4		10.4	5.52	ug/L		05/08/25 09:38	05/10/25 10:57	1
2,4,6-Trichlorophenol	<10.4		10.4	5.21	ug/L		05/08/25 09:38	05/10/25 10:57	1
1,3,5-Trinitrobenzene	<10.4		10.4	2.40	ug/L		05/08/25 09:38	05/15/25 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*93*		*39 - 118*	*05/08/25 09:38*	*05/10/25 10:57*	*1*
2-Fluorobiphenyl (Surr)	*92*		*39 - 118*	*05/08/25 09:38*	*05/15/25 15:11*	*1*
2-Fluorophenol (Surr)	*65*		*25 - 110*	*05/08/25 09:38*	*05/10/25 10:57*	*1*
2-Fluorophenol (Surr)	*66*		*25 - 110*	*05/08/25 09:38*	*05/15/25 15:11*	*1*
Nitrobenzene-d5 (Surr)	*76*		*45 - 129*	*05/08/25 09:38*	*05/10/25 10:57*	*1*
Nitrobenzene-d5 (Surr)	*84*		*45 - 129*	*05/08/25 09:38*	*05/15/25 15:11*	*1*
Phenol-d5 (Surr)	*54*		*21 - 110*	*05/08/25 09:38*	*05/10/25 10:57*	*1*
Phenol-d5 (Surr)	*59*		*21 - 110*	*05/08/25 09:38*	*05/15/25 15:11*	*1*
Terphenyl-d14 (Surr)	*75*		*12 - 144*	*05/08/25 09:38*	*05/10/25 10:57*	*1*
Terphenyl-d14 (Surr)	*98*		*12 - 144*	*05/08/25 09:38*	*05/15/25 15:11*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*27 - 136*	*05/08/25 09:38*	*05/10/25 10:57*	*1*
2,4,6-Tribromophenol (Surr)	*113*		*27 - 136*	*05/08/25 09:38*	*05/15/25 15:11*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/09/25 14:42	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/09/25 14:42	1

Client Sample ID: MW-201A
Lab Sample ID: 310-305780-2
Date Collected: 05/06/25 09:49
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0907		0.0907	0.0227	ug/L		05/08/25 12:17	05/08/25 16:39	1
4,4'-DDE	<0.0907		0.0907	0.0272	ug/L		05/08/25 12:17	05/08/25 16:39	1
4,4'-DDT	<0.0907		0.0907	0.0181	ug/L		05/08/25 12:17	05/08/25 16:39	1
Aldrin	<0.0907		0.0907	0.0199	ug/L		05/08/25 12:17	05/08/25 16:39	1
alpha-BHC	<0.0907		0.0907	0.00907	ug/L		05/08/25 12:17	05/08/25 16:39	1
beta-BHC	<0.0907		0.0907	0.0381	ug/L		05/08/25 12:17	05/08/25 16:39	1
Chlordane (technical)	<1.81		1.81	0.354	ug/L		05/08/25 12:17	05/08/25 16:39	1
delta-BHC	<0.0907		0.0907	0.0290	ug/L		05/08/25 12:17	05/08/25 16:39	1
Dieldrin	<0.0907		0.0907	0.0190	ug/L		05/08/25 12:17	05/08/25 16:39	1
Endosulfan I	<0.0907		0.0907	0.0254	ug/L		05/08/25 12:17	05/08/25 16:39	1
Endosulfan II	<0.0907		0.0907	0.0236	ug/L		05/08/25 12:17	05/08/25 16:39	1
Endosulfan sulfate	<0.0907		0.0907	0.0163	ug/L		05/08/25 12:17	05/08/25 16:39	1
Endrin	<0.0907		0.0907	0.0254	ug/L		05/08/25 12:17	05/08/25 16:39	1
Endrin aldehyde	<0.0907		0.0907	0.0245	ug/L		05/08/25 12:17	05/08/25 16:39	1
gamma-BHC (Lindane)	<0.0907		0.0907	0.00907	ug/L		05/08/25 12:17	05/08/25 16:39	1
Heptachlor	<0.0907		0.0907	0.0209	ug/L		05/08/25 12:17	05/08/25 16:39	1
Heptachlor epoxide	<0.0907		0.0907	0.0290	ug/L		05/08/25 12:17	05/08/25 16:39	1
Methoxychlor	<0.0907		0.0907	0.0290	ug/L		05/08/25 12:17	05/08/25 16:39	1
Toxaphene	<1.81		1.81	0.907	ug/L		05/08/25 12:17	05/08/25 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*10 - 150*	*05/08/25 12:17*	*05/08/25 16:39*	*1*
Tetrachloro-m-xylene	*77*		*17 - 150*	*05/08/25 12:17*	*05/08/25 16:39*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.81		1.81	0.744	ug/L		05/08/25 12:17	05/08/25 16:39	1
PCB-1221	**10.2**		1.81	0.744	ug/L		05/08/25 12:17	05/08/25 16:39	1
PCB-1232	<1.81		1.81	0.744	ug/L		05/08/25 12:17	05/08/25 16:39	1
PCB-1242	<1.81		1.81	0.744	ug/L		05/08/25 12:17	05/08/25 16:39	1
PCB-1248	<1.81		1.81	0.626	ug/L		05/08/25 12:17	05/08/25 16:39	1
PCB-1254	<1.81		1.81	0.626	ug/L		05/08/25 12:17	05/08/25 16:39	1
PCB-1260	<1.81		1.81	0.626	ug/L		05/08/25 12:17	05/08/25 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*73*		*10 - 150*	*05/08/25 12:17*	*05/08/25 16:39*	*1*
Tetrachloro-m-xylene	*77*		*17 - 150*	*05/08/25 12:17*	*05/08/25 16:39*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.668		0.668	0.278	ug/L		05/13/25 09:25	05/14/25 09:17	1
Silvex (2,4,5-TP)	<0.0556		0.0556	0.0245	ug/L		05/13/25 09:25	05/14/25 09:17	1
2,4,5-T	<0.167		0.167	0.0723	ug/L		05/13/25 09:25	05/14/25 09:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*95*		*34 - 142*	*05/13/25 09:25*	*05/14/25 09:17*	*1*
DCAA	*87*		*34 - 142*	*05/13/25 09:25*	*05/14/25 09:17*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/12/25 08:00	05/14/25 17:27	1

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-201A
Lab Sample ID: 310-305780-2
Date Collected: 05/06/25 09:49
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/12/25 08:00	05/14/25 17:27	1
Barium	**0.175**		0.00200	0.000660	mg/L		05/12/25 08:00	05/14/25 17:27	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/12/25 08:00	05/14/25 17:27	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/12/25 08:00	05/14/25 17:27	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/12/25 08:00	05/14/25 17:27	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/12/25 08:00	05/14/25 17:27	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/12/25 08:00	05/14/25 17:27	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/12/25 08:00	05/14/25 17:27	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/12/25 08:00	05/14/25 17:27	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/12/25 08:00	05/14/25 17:27	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/12/25 08:00	05/14/25 17:27	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/12/25 08:00	05/14/25 17:27	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/12/25 08:00	05/14/25 17:27	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/12/25 08:00	05/14/25 17:27	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/12/25 08:00	05/14/25 17:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/14/25 08:46	05/14/25 14:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/12/25 09:57	05/14/25 21:31	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/12/25 01:46	1
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			05/08/25 14:34	1

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-203A
Lab Sample ID: 310-305780-3
Date Collected: 05/06/25 10:42
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/09/25 17:03	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/09/25 17:03	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/09/25 17:03	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/09/25 17:03	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/09/25 17:03	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/09/25 17:03	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/09/25 17:03	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/09/25 17:03	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/09/25 17:03	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/09/25 17:03	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/09/25 17:03	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/09/25 17:03	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/09/25 17:03	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/09/25 17:03	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/09/25 17:03	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/09/25 17:03	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/09/25 17:03	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/09/25 17:03	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/09/25 17:03	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/09/25 17:03	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/09/25 17:03	1
Acetone	<10.0		10.0	3.10	ug/L			05/09/25 17:03	1
Acrolein	<10.0		10.0	3.60	ug/L			05/09/25 17:03	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/09/25 17:03	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/09/25 17:03	1
Benzene	<0.500		0.500	0.220	ug/L			05/09/25 17:03	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/09/25 17:03	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/09/25 17:03	1
Bromoform	<5.00		5.00	0.780	ug/L			05/09/25 17:03	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/09/25 17:03	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/09/25 17:03	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/09/25 17:03	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/09/25 17:03	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/09/25 17:03	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/09/25 17:03	1
Chloroform	<3.00		3.00	1.30	ug/L			05/09/25 17:03	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/09/25 17:03	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/09/25 17:03	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/09/25 17:03	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/09/25 17:03	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/09/25 17:03	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/09/25 17:03	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/09/25 17:03	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/09/25 17:03	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/09/25 17:03	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/09/25 17:03	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/09/25 17:03	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/09/25 17:03	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/09/25 17:03	1

Client Sample ID: MW-203A
Lab Sample ID: 310-305780-3
Date Collected: 05/06/25 10:42
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/09/25 17:03	1
Styrene	<1.00		1.00	0.370	ug/L			05/09/25 17:03	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/09/25 17:03	1
Toluene	<1.00		1.00	0.430	ug/L			05/09/25 17:03	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/09/25 17:03	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/09/25 17:03	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/09/25 17:03	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/09/25 17:03	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/09/25 17:03	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/09/25 17:03	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/09/25 17:03	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/09/25 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*76 - 130*		*05/09/25 17:03*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/09/25 17:03*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*05/09/25 17:03*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.6		10.6	0.681	ug/L		05/08/25 09:38	05/10/25 11:27	1
Acenaphthylene	<10.6		10.6	0.766	ug/L		05/08/25 09:38	05/10/25 11:27	1
Acetophenone	<10.6		10.6	0.734	ug/L		05/08/25 09:38	05/10/25 11:27	1
2-Acetylaminofluorene	<10.6		10.6	2.87	ug/L		05/08/25 09:38	05/15/25 15:37	1
4-Aminobiphenyl	<10.6		10.6	2.34	ug/L		05/08/25 09:38	05/15/25 15:37	1
Anthracene	<10.6		10.6	0.926	ug/L		05/08/25 09:38	05/10/25 11:27	1
Benzo[a]anthracene	<10.6		10.6	0.904	ug/L		05/08/25 09:38	05/10/25 11:27	1
Benzo[a]pyrene	<10.6		10.6	8.62	ug/L		05/08/25 09:38	05/10/25 11:27	1
Benzo[b]fluoranthene	<10.6		10.6	5.21	ug/L		05/08/25 09:38	05/10/25 11:27	1
Benzo[g,h,i]perylene	<10.6		10.6	6.70	ug/L		05/08/25 09:38	05/10/25 11:27	1
Benzo[k]fluoranthene	<10.6		10.6	2.34	ug/L		05/08/25 09:38	05/10/25 11:27	1
Benzyl alcohol	<10.6		10.6	1.38	ug/L		05/08/25 09:38	05/10/25 11:27	1
Bis(2-chloroethoxy)methane	<10.6		10.6	0.809	ug/L		05/08/25 09:38	05/10/25 11:27	1
Bis(2-chloroethyl)ether	<10.6		10.6	0.872	ug/L		05/08/25 09:38	05/10/25 11:27	1
bis (2-chloroisopropyl) ether	<10.6		10.6	0.574	ug/L		05/08/25 09:38	05/10/25 11:27	1
Bis(2-ethylhexyl) phthalate	<10.6		10.6	5.85	ug/L		05/08/25 09:38	05/10/25 11:27	1
4-Bromophenyl phenyl ether	<10.6		10.6	0.745	ug/L		05/08/25 09:38	05/10/25 11:27	1
Butyl benzyl phthalate	<10.6		10.6	5.74	ug/L		05/08/25 09:38	05/10/25 11:27	1
4-Chloroaniline	<10.6		10.6	0.660	ug/L		05/08/25 09:38	05/10/25 11:27	1
Chlorobenzilate	<10.6	*+	10.6	3.83	ug/L		05/08/25 09:38	05/15/25 15:37	1
4-Chloro-3-methylphenol	<10.6		10.6	0.894	ug/L		05/08/25 09:38	05/10/25 11:27	1
2-Chloronaphthalene	<10.6		10.6	0.681	ug/L		05/08/25 09:38	05/10/25 11:27	1
2-Chlorophenol	<10.6		10.6	0.574	ug/L		05/08/25 09:38	05/10/25 11:27	1
4-Chlorophenyl phenyl ether	<10.6		10.6	0.734	ug/L		05/08/25 09:38	05/10/25 11:27	1
Chrysene	<10.6		10.6	0.926	ug/L		05/08/25 09:38	05/10/25 11:27	1
Diallate	<10.6		10.6	4.26	ug/L		05/08/25 09:38	05/15/25 15:37	1
Dibenzo(a,h)anthracene	<10.6		10.6	4.15	ug/L		05/08/25 09:38	05/10/25 11:27	1
Dibenzofuran	<10.6		10.6	0.787	ug/L		05/08/25 09:38	05/10/25 11:27	1
3,3'-Dichlorobenzidine	<10.6		10.6	1.49	ug/L		05/08/25 09:38	05/10/25 11:27	1
2,4-Dichlorophenol	<10.6		10.6	0.904	ug/L		05/08/25 09:38	05/10/25 11:27	1

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-203A
Lab Sample ID: 310-305780-3
Date Collected: 05/06/25 10:42
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.6		10.6	0.734	ug/L		05/08/25 09:38	05/10/25 11:27	1
Diethyl phthalate	<10.6		10.6	1.81	ug/L		05/08/25 09:38	05/10/25 11:27	1
Dimethoate	<10.6		10.6	3.83	ug/L		05/08/25 09:38	05/15/25 15:37	1
7,12-Dimethylbenz(a)anthracene	<10.6		10.6	2.02	ug/L		05/08/25 09:38	05/15/25 15:37	1
3,3'-Dimethylbenzidine	<10.6		10.6	1.60	ug/L		05/08/25 09:38	05/15/25 15:37	1
2,4-Dimethylphenol	<10.6		10.6	0.617	ug/L		05/08/25 09:38	05/10/25 11:27	1
Dimethyl phthalate	<10.6		10.6	1.06	ug/L		05/08/25 09:38	05/10/25 11:27	1
Di-n-butyl phthalate	<10.6		10.6	5.96	ug/L		05/08/25 09:38	05/10/25 11:27	1
1,3-Dinitrobenzene	<10.6		10.6	3.40	ug/L		05/08/25 09:38	05/10/25 11:27	1
4,6-Dinitro-2-methylphenol	<10.6		10.6	7.34	ug/L		05/08/25 09:38	05/10/25 11:27	1
2,4-Dinitrophenol	<21.3		21.3	13.8	ug/L		05/08/25 09:38	05/10/25 11:27	1
2,4-Dinitrotoluene	<10.6		10.6	6.81	ug/L		05/08/25 09:38	05/10/25 11:27	1
2,6-Dinitrotoluene	<10.6		10.6	0.553	ug/L		05/08/25 09:38	05/10/25 11:27	1
Di-n-octyl phthalate	<21.3		21.3	7.45	ug/L		05/08/25 09:38	05/10/25 11:27	1
Dinoseb	<10.6		10.6	2.55	ug/L		05/08/25 09:38	05/15/25 15:37	1
Diphenylamine	<10.6		10.6	6.38	ug/L		05/08/25 09:38	05/10/25 11:27	1
Disulfoton	<10.6		10.6	2.55	ug/L		05/08/25 09:38	05/15/25 15:37	1
Ethyl methanesulfonate	<10.6		10.6	3.83	ug/L		05/08/25 09:38	05/15/25 15:37	1
Ethyl Parathion	<10.6		10.6	2.34	ug/L		05/08/25 09:38	05/15/25 15:37	1
Famphur	<10.6		10.6	4.04	ug/L		05/08/25 09:38	05/21/25 17:41	1
Fluoranthene	<10.6		10.6	1.81	ug/L		05/08/25 09:38	05/10/25 11:27	1
Fluorene	<10.6		10.6	0.840	ug/L		05/08/25 09:38	05/10/25 11:27	1
Hexachlorobenzene	<10.6		10.6	0.745	ug/L		05/08/25 09:38	05/10/25 11:27	1
Hexachlorobutadiene	<10.6		10.6	0.915	ug/L		05/08/25 09:38	05/10/25 11:27	1
Hexachlorocyclopentadiene	<10.6		10.6	5.43	ug/L		05/08/25 09:38	05/10/25 11:27	1
Hexachloroethane	<10.6		10.6	1.03	ug/L		05/08/25 09:38	05/10/25 11:27	1
Hexachloropropene	<10.6		10.6	2.77	ug/L		05/08/25 09:38	05/15/25 15:37	1
Indeno[1,2,3-cd]pyrene	<10.6		10.6	4.47	ug/L		05/08/25 09:38	05/10/25 11:27	1
Isodrin	<10.6		10.6	5.00	ug/L		05/08/25 09:38	05/15/25 15:37	1
Isophorone	<10.6		10.6	0.989	ug/L		05/08/25 09:38	05/10/25 11:27	1
Isosafrole	<10.6		10.6	2.45	ug/L		05/08/25 09:38	05/15/25 15:37	1
Kepone	<10.6		10.6	1.06	ug/L		05/08/25 09:38	05/15/25 15:37	1
Methapyrilene	<10.6		10.6	0.809	ug/L		05/08/25 09:38	05/15/25 15:37	1
3-Methylcholanthrene	<10.6		10.6	0.340	ug/L		05/08/25 09:38	05/15/25 15:37	1
Methyl methanesulfonate	<10.6		10.6	3.51	ug/L		05/08/25 09:38	05/15/25 15:37	1
2-Methylnaphthalene	<10.6		10.6	0.628	ug/L		05/08/25 09:38	05/10/25 11:27	1
Methyl parathion	<10.6		10.6	2.45	ug/L		05/08/25 09:38	05/15/25 15:37	1
2-Methylphenol	<10.6		10.6	0.691	ug/L		05/08/25 09:38	05/10/25 11:27	1
Methylphenol, 3 & 4	<10.6		10.6	0.745	ug/L		05/08/25 09:38	05/10/25 11:27	1
1,4-Naphthoquinone	<10.6		10.6	3.83	ug/L		05/08/25 09:38	05/15/25 15:37	1
1-Naphthylamine	<10.6		10.6	2.66	ug/L		05/08/25 09:38	05/15/25 15:37	1
2-Naphthylamine	<10.6		10.6	2.23	ug/L		05/08/25 09:38	05/15/25 15:37	1
2-Nitroaniline	<10.6		10.6	6.28	ug/L		05/08/25 09:38	05/10/25 11:27	1
3-Nitroaniline	<10.6		10.6	2.87	ug/L		05/08/25 09:38	05/10/25 11:27	1
4-Nitroaniline	<10.6		10.6	1.38	ug/L		05/08/25 09:38	05/10/25 11:27	1
Nitrobenzene	<10.6		10.6	0.851	ug/L		05/08/25 09:38	05/10/25 11:27	1
5-Nitro-o-toluidine	<10.6		10.6	2.98	ug/L		05/08/25 09:38	05/15/25 15:37	1
2-Nitrophenol	<10.6		10.6	7.23	ug/L		05/08/25 09:38	05/10/25 11:27	1
4-Nitrophenol	<10.6		10.6	8.09	ug/L		05/08/25 09:38	05/10/25 11:27	1

Client Sample ID: MW-203A
Lab Sample ID: 310-305780-3
Date Collected: 05/06/25 10:42
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.6		10.6	3.62	ug/L		05/08/25 09:38	05/15/25 15:37	1
N-Nitrosodimethylamine	<10.6		10.6	0.766	ug/L		05/08/25 09:38	05/10/25 11:27	1
N-Nitrosodi-n-butylamine	<10.6		10.6	4.15	ug/L		05/08/25 09:38	05/15/25 15:37	1
N-Nitrosodi-n-propylamine	<10.6		10.6	0.979	ug/L		05/08/25 09:38	05/10/25 11:27	1
N-Nitrosodiphenylamine	<10.6		10.6	0.798	ug/L		05/08/25 09:38	05/10/25 11:27	1
N-Nitrosomethylethylamine	<10.6		10.6	5.21	ug/L		05/08/25 09:38	05/15/25 15:37	1
N-Nitrosopiperidine	<10.6		10.6	2.87	ug/L		05/08/25 09:38	05/15/25 15:37	1
N-Nitrosopyrrolidine	<10.6		10.6	3.83	ug/L		05/08/25 09:38	05/15/25 15:37	1
o,o',o''-Triethylphosphorothioate	<10.6		10.6	3.40	ug/L		05/08/25 09:38	05/15/25 15:37	1
o-Toluidine	<10.6		10.6	3.09	ug/L		05/08/25 09:38	05/15/25 15:37	1
p-Dimethylamino azobenzene	<10.6		10.6	2.34	ug/L		05/08/25 09:38	05/15/25 15:37	1
Pentachlorobenzene	<10.6		10.6	2.98	ug/L		05/08/25 09:38	05/15/25 15:37	1
Pentachloronitrobenzene	<10.6		10.6	6.17	ug/L		05/08/25 09:38	05/15/25 15:37	1
Pentachlorophenol	<10.6		10.6	10.2	ug/L		05/08/25 09:38	05/10/25 11:27	1
Phenacetin	<10.6		10.6	2.02	ug/L		05/08/25 09:38	05/15/25 15:37	1
Phenanthrene	<10.6		10.6	0.840	ug/L		05/08/25 09:38	05/10/25 11:27	1
Phenol	<10.6		10.6	1.17	ug/L		05/08/25 09:38	05/10/25 11:27	1
1,4-phenylenediamine	<10.6	*-	10.6	2.02	ug/L		05/08/25 09:38	05/15/25 15:37	1
Phorate	<10.6		10.6	3.40	ug/L		05/08/25 09:38	05/15/25 15:37	1
Pronamide	<10.6		10.6	2.87	ug/L		05/08/25 09:38	05/15/25 15:37	1
Pyrene	<10.6		10.6	0.840	ug/L		05/08/25 09:38	05/10/25 11:27	1
Safrole	<10.6		10.6	2.98	ug/L		05/08/25 09:38	05/15/25 15:37	1
1,2,4,5-Tetrachlorobenzene	<10.6		10.6	0.574	ug/L		05/08/25 09:38	05/10/25 11:27	1
2,3,4,6-Tetrachlorophenol	<10.6		10.6	5.64	ug/L		05/08/25 09:38	05/10/25 11:27	1
Thionazin	<10.6		10.6	3.72	ug/L		05/08/25 09:38	05/15/25 15:37	1
2,4,5-Trichlorophenol	<10.6		10.6	5.64	ug/L		05/08/25 09:38	05/10/25 11:27	1
2,4,6-Trichlorophenol	<10.6		10.6	5.32	ug/L		05/08/25 09:38	05/10/25 11:27	1
1,3,5-Trinitrobenzene	<10.6		10.6	2.45	ug/L		05/08/25 09:38	05/15/25 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*95*		*39 - 118*	*05/08/25 09:38*	*05/10/25 11:27*	*1*
2-Fluorobiphenyl (Surr)	*91*		*39 - 118*	*05/08/25 09:38*	*05/15/25 15:37*	*1*
2-Fluorophenol (Surr)	*65*		*25 - 110*	*05/08/25 09:38*	*05/10/25 11:27*	*1*
2-Fluorophenol (Surr)	*67*		*25 - 110*	*05/08/25 09:38*	*05/15/25 15:37*	*1*
Nitrobenzene-d5 (Surr)	*73*		*45 - 129*	*05/08/25 09:38*	*05/10/25 11:27*	*1*
Nitrobenzene-d5 (Surr)	*80*		*45 - 129*	*05/08/25 09:38*	*05/15/25 15:37*	*1*
Phenol-d5 (Surr)	*56*		*21 - 110*	*05/08/25 09:38*	*05/10/25 11:27*	*1*
Phenol-d5 (Surr)	*60*		*21 - 110*	*05/08/25 09:38*	*05/15/25 15:37*	*1*
Terphenyl-d14 (Surr)	*78*		*12 - 144*	*05/08/25 09:38*	*05/10/25 11:27*	*1*
Terphenyl-d14 (Surr)	*103*		*12 - 144*	*05/08/25 09:38*	*05/15/25 15:37*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*27 - 136*	*05/08/25 09:38*	*05/10/25 11:27*	*1*
2,4,6-Tribromophenol (Surr)	*118*		*27 - 136*	*05/08/25 09:38*	*05/15/25 15:37*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/09/25 15:01	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/09/25 15:01	1

Client Sample ID: MW-203A
Lab Sample ID: 310-305780-3
Date Collected: 05/06/25 10:42
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0902		0.0902	0.0226	ug/L		05/08/25 12:17	05/08/25 16:52	1
4,4'-DDE	<0.0902		0.0902	0.0271	ug/L		05/08/25 12:17	05/08/25 16:52	1
4,4'-DDT	<0.0902		0.0902	0.0180	ug/L		05/08/25 12:17	05/08/25 16:52	1
Aldrin	<0.0902		0.0902	0.0198	ug/L		05/08/25 12:17	05/08/25 16:52	1
alpha-BHC	<0.0902		0.0902	0.00902	ug/L		05/08/25 12:17	05/08/25 16:52	1
beta-BHC	<0.0902		0.0902	0.0379	ug/L		05/08/25 12:17	05/08/25 16:52	1
Chlordane (technical)	<1.80		1.80	0.352	ug/L		05/08/25 12:17	05/08/25 16:52	1
delta-BHC	<0.0902		0.0902	0.0289	ug/L		05/08/25 12:17	05/08/25 16:52	1
Dieldrin	<0.0902		0.0902	0.0189	ug/L		05/08/25 12:17	05/08/25 16:52	1
Endosulfan I	<0.0902		0.0902	0.0253	ug/L		05/08/25 12:17	05/08/25 16:52	1
Endosulfan II	<0.0902		0.0902	0.0235	ug/L		05/08/25 12:17	05/08/25 16:52	1
Endosulfan sulfate	<0.0902		0.0902	0.0162	ug/L		05/08/25 12:17	05/08/25 16:52	1
Endrin	<0.0902		0.0902	0.0253	ug/L		05/08/25 12:17	05/08/25 16:52	1
Endrin aldehyde	<0.0902		0.0902	0.0244	ug/L		05/08/25 12:17	05/08/25 16:52	1
gamma-BHC (Lindane)	<0.0902		0.0902	0.00902	ug/L		05/08/25 12:17	05/08/25 16:52	1
Heptachlor	<0.0902		0.0902	0.0207	ug/L		05/08/25 12:17	05/08/25 16:52	1
Heptachlor epoxide	<0.0902		0.0902	0.0289	ug/L		05/08/25 12:17	05/08/25 16:52	1
Methoxychlor	<0.0902		0.0902	0.0289	ug/L		05/08/25 12:17	05/08/25 16:52	1
Toxaphene	<1.80		1.80	0.902	ug/L		05/08/25 12:17	05/08/25 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*10 - 150*	*05/08/25 12:17*	*05/08/25 16:52*	*1*
Tetrachloro-m-xylene	*87*		*17 - 150*	*05/08/25 12:17*	*05/08/25 16:52*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.80		1.80	0.740	ug/L		05/08/25 12:17	05/08/25 16:52	1
PCB-1221	<1.80		1.80	0.740	ug/L		05/08/25 12:17	05/08/25 16:52	1
PCB-1232	<1.80		1.80	0.740	ug/L		05/08/25 12:17	05/08/25 16:52	1
PCB-1242	<1.80		1.80	0.740	ug/L		05/08/25 12:17	05/08/25 16:52	1
PCB-1248	<1.80		1.80	0.622	ug/L		05/08/25 12:17	05/08/25 16:52	1
PCB-1254	<1.80		1.80	0.622	ug/L		05/08/25 12:17	05/08/25 16:52	1
PCB-1260	<1.80		1.80	0.622	ug/L		05/08/25 12:17	05/08/25 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*74*		*10 - 150*	*05/08/25 12:17*	*05/08/25 16:52*	*1*
Tetrachloro-m-xylene	*87*		*17 - 150*	*05/08/25 12:17*	*05/08/25 16:52*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.647		0.647	0.269	ug/L		05/13/25 09:25	05/14/25 09:53	1
Silvex (2,4,5-TP)	<0.0539		0.0539	0.0237	ug/L		05/13/25 09:25	05/14/25 09:53	1
2,4,5-T	<0.162		0.162	0.0701	ug/L		05/13/25 09:25	05/14/25 09:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*96*		*34 - 142*	*05/13/25 09:25*	*05/14/25 09:53*	*1*
DCAA	*89*		*34 - 142*	*05/13/25 09:25*	*05/14/25 09:53*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/12/25 08:00	05/14/25 17:29	1

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-203A
Lab Sample ID: 310-305780-3
Date Collected: 05/06/25 10:42
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/12/25 08:00	05/14/25 17:29	1
Barium	**0.298**		0.00200	0.000660	mg/L		05/12/25 08:00	05/14/25 17:29	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/12/25 08:00	05/14/25 17:29	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/12/25 08:00	05/14/25 17:29	1
Chromium	**0.00307**	**J**	0.00500	0.00180	mg/L		05/12/25 08:00	05/14/25 17:29	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/12/25 08:00	05/14/25 17:29	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/12/25 08:00	05/14/25 17:29	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/12/25 08:00	05/14/25 17:29	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/12/25 08:00	05/14/25 17:29	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/12/25 08:00	05/14/25 17:29	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/12/25 08:00	05/14/25 17:29	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/12/25 08:00	05/14/25 17:29	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/12/25 08:00	05/14/25 17:29	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/12/25 08:00	05/14/25 17:29	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/12/25 08:00	05/14/25 17:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/14/25 08:46	05/14/25 14:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/12/25 09:57	05/14/25 21:31	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/12/25 01:50	1
Total Suspended Solids (USGS I-3765-85)	**1.88**		1.88	1.31	mg/L			05/08/25 14:34	1

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-7B1
Lab Sample ID: 310-305780-4
Date Collected: 05/06/25 12:45
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/09/25 17:25	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/09/25 17:25	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/09/25 17:25	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/09/25 17:25	1
1,1-Dichloroethane	**0.456**	**J**	1.00	0.220	ug/L			05/09/25 17:25	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/09/25 17:25	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/09/25 17:25	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/09/25 17:25	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/09/25 17:25	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/09/25 17:25	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/09/25 17:25	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/09/25 17:25	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/09/25 17:25	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/09/25 17:25	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/09/25 17:25	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/09/25 17:25	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/09/25 17:25	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/09/25 17:25	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/09/25 17:25	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/09/25 17:25	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/09/25 17:25	1
Acetone	<10.0		10.0	3.10	ug/L			05/09/25 17:25	1
Acrolein	<10.0		10.0	3.60	ug/L			05/09/25 17:25	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/09/25 17:25	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/09/25 17:25	1
Benzene	<0.500		0.500	0.220	ug/L			05/09/25 17:25	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/09/25 17:25	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/09/25 17:25	1
Bromoform	<5.00		5.00	0.780	ug/L			05/09/25 17:25	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/09/25 17:25	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/09/25 17:25	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/09/25 17:25	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/09/25 17:25	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/09/25 17:25	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/09/25 17:25	1
Chloroform	<3.00		3.00	1.30	ug/L			05/09/25 17:25	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/09/25 17:25	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/09/25 17:25	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/09/25 17:25	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/09/25 17:25	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/09/25 17:25	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/09/25 17:25	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/09/25 17:25	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/09/25 17:25	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/09/25 17:25	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/09/25 17:25	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/09/25 17:25	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/09/25 17:25	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/09/25 17:25	1

Client Sample ID: MW-7B1
Lab Sample ID: 310-305780-4
Date Collected: 05/06/25 12:45
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/09/25 17:25	1
Styrene	<1.00		1.00	0.370	ug/L			05/09/25 17:25	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/09/25 17:25	1
Toluene	<1.00		1.00	0.430	ug/L			05/09/25 17:25	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/09/25 17:25	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/09/25 17:25	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/09/25 17:25	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/09/25 17:25	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/09/25 17:25	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/09/25 17:25	1
Vinyl chloride	**0.217**	**J**	1.00	0.180	ug/L			05/09/25 17:25	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/09/25 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*76 - 130*		*05/09/25 17:25*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/09/25 17:25*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/09/25 17:25*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.4		10.4	0.667	ug/L		05/08/25 09:38	05/10/25 11:57	1
Acenaphthylene	<10.4		10.4	0.750	ug/L		05/08/25 09:38	05/10/25 11:57	1
Acetophenone	<10.4		10.4	0.719	ug/L		05/08/25 09:38	05/10/25 11:57	1
2-Acetylaminofluorene	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/15/25 16:03	1
4-Aminobiphenyl	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/15/25 16:03	1
Anthracene	<10.4		10.4	0.906	ug/L		05/08/25 09:38	05/10/25 11:57	1
Benzo[a]anthracene	<10.4		10.4	0.885	ug/L		05/08/25 09:38	05/10/25 11:57	1
Benzo[a]pyrene	<10.4		10.4	8.44	ug/L		05/08/25 09:38	05/10/25 11:57	1
Benzo[b]fluoranthene	<10.4		10.4	5.10	ug/L		05/08/25 09:38	05/10/25 11:57	1
Benzo[g,h,i]perylene	<10.4		10.4	6.56	ug/L		05/08/25 09:38	05/10/25 11:57	1
Benzo[k]fluoranthene	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/10/25 11:57	1
Benzyl alcohol	<10.4		10.4	1.35	ug/L		05/08/25 09:38	05/10/25 11:57	1
Bis(2-chloroethoxy)methane	<10.4		10.4	0.792	ug/L		05/08/25 09:38	05/10/25 11:57	1
Bis(2-chloroethyl)ether	<10.4		10.4	0.854	ug/L		05/08/25 09:38	05/10/25 11:57	1
bis (2-chloroisopropyl) ether	<10.4		10.4	0.563	ug/L		05/08/25 09:38	05/10/25 11:57	1
Bis(2-ethylhexyl) phthalate	<10.4		10.4	5.73	ug/L		05/08/25 09:38	05/10/25 11:57	1
4-Bromophenyl phenyl ether	<10.4		10.4	0.729	ug/L		05/08/25 09:38	05/10/25 11:57	1
Butyl benzyl phthalate	<10.4		10.4	5.63	ug/L		05/08/25 09:38	05/10/25 11:57	1
4-Chloroaniline	<10.4		10.4	0.646	ug/L		05/08/25 09:38	05/10/25 11:57	1
Chlorobenzilate	<10.4	*+	10.4	3.75	ug/L		05/08/25 09:38	05/15/25 16:03	1
4-Chloro-3-methylphenol	<10.4		10.4	0.875	ug/L		05/08/25 09:38	05/10/25 11:57	1
2-Chloronaphthalene	<10.4		10.4	0.667	ug/L		05/08/25 09:38	05/10/25 11:57	1
2-Chlorophenol	<10.4		10.4	0.563	ug/L		05/08/25 09:38	05/10/25 11:57	1
4-Chlorophenyl phenyl ether	<10.4		10.4	0.719	ug/L		05/08/25 09:38	05/10/25 11:57	1
Chrysene	<10.4		10.4	0.906	ug/L		05/08/25 09:38	05/10/25 11:57	1
Diallate	<10.4		10.4	4.17	ug/L		05/08/25 09:38	05/15/25 16:03	1
Dibenzo(a,h)anthracene	<10.4		10.4	4.06	ug/L		05/08/25 09:38	05/10/25 11:57	1
Dibenzofuran	<10.4		10.4	0.771	ug/L		05/08/25 09:38	05/10/25 11:57	1
3,3'-Dichlorobenzidine	<10.4		10.4	1.46	ug/L		05/08/25 09:38	05/10/25 11:57	1
2,4-Dichlorophenol	<10.4		10.4	0.885	ug/L		05/08/25 09:38	05/10/25 11:57	1

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-7B1
Lab Sample ID: 310-305780-4
Date Collected: 05/06/25 12:45
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.4		10.4	0.719	ug/L		05/08/25 09:38	05/10/25 11:57	1
Diethyl phthalate	<10.4		10.4	1.77	ug/L		05/08/25 09:38	05/10/25 11:57	1
Dimethoate	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 16:03	1
7,12-Dimethylbenz(a)anthracene	<10.4		10.4	1.98	ug/L		05/08/25 09:38	05/15/25 16:03	1
3,3'-Dimethylbenzidine	<10.4		10.4	1.56	ug/L		05/08/25 09:38	05/15/25 16:03	1
2,4-Dimethylphenol	<10.4		10.4	0.604	ug/L		05/08/25 09:38	05/10/25 11:57	1
Dimethyl phthalate	<10.4		10.4	1.04	ug/L		05/08/25 09:38	05/10/25 11:57	1
Di-n-butyl phthalate	<10.4		10.4	5.83	ug/L		05/08/25 09:38	05/10/25 11:57	1
1,3-Dinitrobenzene	<10.4		10.4	3.33	ug/L		05/08/25 09:38	05/10/25 11:57	1
4,6-Dinitro-2-methylphenol	<10.4		10.4	7.19	ug/L		05/08/25 09:38	05/10/25 11:57	1
2,4-Dinitrophenol	<20.8		20.8	13.5	ug/L		05/08/25 09:38	05/10/25 11:57	1
2,4-Dinitrotoluene	<10.4		10.4	6.67	ug/L		05/08/25 09:38	05/10/25 11:57	1
2,6-Dinitrotoluene	<10.4		10.4	0.542	ug/L		05/08/25 09:38	05/10/25 11:57	1
Di-n-octyl phthalate	<20.8		20.8	7.29	ug/L		05/08/25 09:38	05/10/25 11:57	1
Dinoseb	<10.4		10.4	2.50	ug/L		05/08/25 09:38	05/15/25 16:03	1
Diphenylamine	<10.4		10.4	6.25	ug/L		05/08/25 09:38	05/10/25 11:57	1
Disulfoton	<10.4		10.4	2.50	ug/L		05/08/25 09:38	05/15/25 16:03	1
Ethyl methanesulfonate	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 16:03	1
Ethyl Parathion	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/15/25 16:03	1
Famphur	<10.4		10.4	3.96	ug/L		05/08/25 09:38	05/21/25 18:01	1
Fluoranthene	<10.4		10.4	1.77	ug/L		05/08/25 09:38	05/10/25 11:57	1
Fluorene	<10.4		10.4	0.823	ug/L		05/08/25 09:38	05/10/25 11:57	1
Hexachlorobenzene	<10.4		10.4	0.729	ug/L		05/08/25 09:38	05/10/25 11:57	1
Hexachlorobutadiene	<10.4		10.4	0.896	ug/L		05/08/25 09:38	05/10/25 11:57	1
Hexachlorocyclopentadiene	<10.4		10.4	5.31	ug/L		05/08/25 09:38	05/10/25 11:57	1
Hexachloroethane	<10.4		10.4	1.01	ug/L		05/08/25 09:38	05/10/25 11:57	1
Hexachloropropene	<10.4		10.4	2.71	ug/L		05/08/25 09:38	05/15/25 16:03	1
Indeno[1,2,3-cd]pyrene	<10.4		10.4	4.38	ug/L		05/08/25 09:38	05/10/25 11:57	1
Isodrin	<10.4		10.4	4.90	ug/L		05/08/25 09:38	05/15/25 16:03	1
Isophorone	<10.4		10.4	0.969	ug/L		05/08/25 09:38	05/10/25 11:57	1
Isosafrole	<10.4		10.4	2.40	ug/L		05/08/25 09:38	05/15/25 16:03	1
Kepone	<10.4		10.4	1.04	ug/L		05/08/25 09:38	05/15/25 16:03	1
Methapyrilene	<10.4		10.4	0.792	ug/L		05/08/25 09:38	05/15/25 16:03	1
3-Methylcholanthrene	<10.4		10.4	0.333	ug/L		05/08/25 09:38	05/15/25 16:03	1
Methyl methanesulfonate	<10.4		10.4	3.44	ug/L		05/08/25 09:38	05/15/25 16:03	1
2-Methylnaphthalene	<10.4		10.4	0.615	ug/L		05/08/25 09:38	05/10/25 11:57	1
Methyl parathion	<10.4		10.4	2.40	ug/L		05/08/25 09:38	05/15/25 16:03	1
2-Methylphenol	<10.4		10.4	0.677	ug/L		05/08/25 09:38	05/10/25 11:57	1
Methylphenol, 3 & 4	<10.4		10.4	0.729	ug/L		05/08/25 09:38	05/10/25 11:57	1
1,4-Naphthoquinone	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 16:03	1
1-Naphthylamine	<10.4		10.4	2.60	ug/L		05/08/25 09:38	05/15/25 16:03	1
2-Naphthylamine	<10.4		10.4	2.19	ug/L		05/08/25 09:38	05/15/25 16:03	1
2-Nitroaniline	<10.4		10.4	6.15	ug/L		05/08/25 09:38	05/10/25 11:57	1
3-Nitroaniline	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/10/25 11:57	1
4-Nitroaniline	<10.4		10.4	1.35	ug/L		05/08/25 09:38	05/10/25 11:57	1
Nitrobenzene	<10.4		10.4	0.833	ug/L		05/08/25 09:38	05/10/25 11:57	1
5-Nitro-o-toluidine	<10.4		10.4	2.92	ug/L		05/08/25 09:38	05/15/25 16:03	1
2-Nitrophenol	<10.4		10.4	7.08	ug/L		05/08/25 09:38	05/10/25 11:57	1
4-Nitrophenol	<10.4		10.4	7.92	ug/L		05/08/25 09:38	05/10/25 11:57	1

Client Sample ID: MW-7B1
Lab Sample ID: 310-305780-4
Date Collected: 05/06/25 12:45
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.4		10.4	3.54	ug/L		05/08/25 09:38	05/15/25 16:03	1
N-Nitrosodimethylamine	<10.4		10.4	0.750	ug/L		05/08/25 09:38	05/10/25 11:57	1
N-Nitrosodi-n-butylamine	<10.4		10.4	4.06	ug/L		05/08/25 09:38	05/15/25 16:03	1
N-Nitrosodi-n-propylamine	<10.4		10.4	0.958	ug/L		05/08/25 09:38	05/10/25 11:57	1
N-Nitrosodiphenylamine	<10.4		10.4	0.781	ug/L		05/08/25 09:38	05/10/25 11:57	1
N-Nitrosomethylethylamine	<10.4		10.4	5.10	ug/L		05/08/25 09:38	05/15/25 16:03	1
N-Nitrosopiperidine	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/15/25 16:03	1
N-Nitrosopyrrolidine	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 16:03	1
o,o',o''-Triethylphosphorothioate	<10.4		10.4	3.33	ug/L		05/08/25 09:38	05/15/25 16:03	1
o-Toluidine	<10.4		10.4	3.02	ug/L		05/08/25 09:38	05/15/25 16:03	1
p-Dimethylamino azobenzene	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/15/25 16:03	1
Pentachlorobenzene	<10.4		10.4	2.92	ug/L		05/08/25 09:38	05/15/25 16:03	1
Pentachloronitrobenzene	<10.4		10.4	6.04	ug/L		05/08/25 09:38	05/15/25 16:03	1
Pentachlorophenol	<10.4		10.4	10.0	ug/L		05/08/25 09:38	05/10/25 11:57	1
Phenacetin	<10.4		10.4	1.98	ug/L		05/08/25 09:38	05/15/25 16:03	1
Phenanthrene	<10.4		10.4	0.823	ug/L		05/08/25 09:38	05/10/25 11:57	1
Phenol	<10.4		10.4	1.15	ug/L		05/08/25 09:38	05/10/25 11:57	1
1,4-phenylenediamine	<10.4	*-	10.4	1.98	ug/L		05/08/25 09:38	05/15/25 16:03	1
Phorate	<10.4		10.4	3.33	ug/L		05/08/25 09:38	05/15/25 16:03	1
Pronamide	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/15/25 16:03	1
Pyrene	<10.4		10.4	0.823	ug/L		05/08/25 09:38	05/10/25 11:57	1
Safrole	<10.4		10.4	2.92	ug/L		05/08/25 09:38	05/15/25 16:03	1
1,2,4,5-Tetrachlorobenzene	<10.4		10.4	0.563	ug/L		05/08/25 09:38	05/10/25 11:57	1
2,3,4,6-Tetrachlorophenol	<10.4		10.4	5.52	ug/L		05/08/25 09:38	05/10/25 11:57	1
Thionazin	<10.4		10.4	3.65	ug/L		05/08/25 09:38	05/15/25 16:03	1
2,4,5-Trichlorophenol	<10.4		10.4	5.52	ug/L		05/08/25 09:38	05/10/25 11:57	1
2,4,6-Trichlorophenol	<10.4		10.4	5.21	ug/L		05/08/25 09:38	05/10/25 11:57	1
1,3,5-Trinitrobenzene	<10.4		10.4	2.40	ug/L		05/08/25 09:38	05/15/25 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*39 - 118*	*05/08/25 09:38*	*05/10/25 11:57*	*1*
2-Fluorobiphenyl (Surr)	*72*		*39 - 118*	*05/08/25 09:38*	*05/15/25 16:03*	*1*
2-Fluorophenol (Surr)	*50*		*25 - 110*	*05/08/25 09:38*	*05/10/25 11:57*	*1*
2-Fluorophenol (Surr)	*48*		*25 - 110*	*05/08/25 09:38*	*05/15/25 16:03*	*1*
Nitrobenzene-d5 (Surr)	*58*		*45 - 129*	*05/08/25 09:38*	*05/10/25 11:57*	*1*
Nitrobenzene-d5 (Surr)	*61*		*45 - 129*	*05/08/25 09:38*	*05/15/25 16:03*	*1*
Phenol-d5 (Surr)	*41*		*21 - 110*	*05/08/25 09:38*	*05/10/25 11:57*	*1*
Phenol-d5 (Surr)	*42*		*21 - 110*	*05/08/25 09:38*	*05/15/25 16:03*	*1*
Terphenyl-d14 (Surr)	*59*		*12 - 144*	*05/08/25 09:38*	*05/10/25 11:57*	*1*
Terphenyl-d14 (Surr)	*73*		*12 - 144*	*05/08/25 09:38*	*05/15/25 16:03*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*27 - 136*	*05/08/25 09:38*	*05/10/25 11:57*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*27 - 136*	*05/08/25 09:38*	*05/15/25 16:03*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/09/25 15:21	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/09/25 15:21	1

Client Sample ID: MW-7B1
Lab Sample ID: 310-305780-4
Date Collected: 05/06/25 12:45
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0916		0.0916	0.0229	ug/L		05/08/25 12:17	05/21/25 11:26	1
4,4'-DDE	<0.0916		0.0916	0.0275	ug/L		05/08/25 12:17	05/21/25 11:26	1
4,4'-DDT	<0.0916		0.0916	0.0183	ug/L		05/08/25 12:17	05/21/25 11:26	1
Aldrin	<0.0916		0.0916	0.0202	ug/L		05/08/25 12:17	05/21/25 11:26	1
alpha-BHC	<0.0916		0.0916	0.00916	ug/L		05/08/25 12:17	05/21/25 11:26	1
beta-BHC	<0.0916		0.0916	0.0385	ug/L		05/08/25 12:17	05/21/25 11:26	1
Chlordane (technical)	<1.83		1.83	0.357	ug/L		05/08/25 12:17	05/21/25 11:26	1
delta-BHC	<0.0916		0.0916	0.0293	ug/L		05/08/25 12:17	05/21/25 11:26	1
Dieldrin	<0.0916		0.0916	0.0192	ug/L		05/08/25 12:17	05/21/25 11:26	1
Endosulfan I	<0.0916		0.0916	0.0257	ug/L		05/08/25 12:17	05/21/25 11:26	1
Endosulfan II	<0.0916		0.0916	0.0238	ug/L		05/08/25 12:17	05/21/25 11:26	1
Endosulfan sulfate	<0.0916		0.0916	0.0165	ug/L		05/08/25 12:17	05/21/25 11:26	1
Endrin	<0.0916		0.0916	0.0257	ug/L		05/08/25 12:17	05/21/25 11:26	1
Endrin aldehyde	<0.0916		0.0916	0.0247	ug/L		05/08/25 12:17	05/21/25 11:26	1
gamma-BHC (Lindane)	<0.0916		0.0916	0.00916	ug/L		05/08/25 12:17	05/21/25 11:26	1
Heptachlor	<0.0916		0.0916	0.0211	ug/L		05/08/25 12:17	05/21/25 11:26	1
Heptachlor epoxide	<0.0916		0.0916	0.0293	ug/L		05/08/25 12:17	05/21/25 11:26	1
Methoxychlor	<0.0916		0.0916	0.0293	ug/L		05/08/25 12:17	05/21/25 11:26	1
Toxaphene	<1.83		1.83	0.916	ug/L		05/08/25 12:17	05/21/25 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*43*		*10 - 150*	*05/08/25 12:17*	*05/21/25 11:26*	*1*
Tetrachloro-m-xylene	*71*		*17 - 150*	*05/08/25 12:17*	*05/21/25 11:26*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.83		1.83	0.751	ug/L		05/08/25 12:17	05/21/25 11:26	1
PCB-1221	<1.83		1.83	0.751	ug/L		05/08/25 12:17	05/21/25 11:26	1
PCB-1232	<1.83		1.83	0.751	ug/L		05/08/25 12:17	05/21/25 11:26	1
PCB-1242	<1.83		1.83	0.751	ug/L		05/08/25 12:17	05/21/25 11:26	1
PCB-1248	<1.83		1.83	0.632	ug/L		05/08/25 12:17	05/21/25 11:26	1
PCB-1254	<1.83		1.83	0.632	ug/L		05/08/25 12:17	05/21/25 11:26	1
PCB-1260	<1.83		1.83	0.632	ug/L		05/08/25 12:17	05/21/25 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*43*		*10 - 150*	*05/08/25 12:17*	*05/21/25 11:26*	*1*
Tetrachloro-m-xylene	*71*		*17 - 150*	*05/08/25 12:17*	*05/21/25 11:26*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.672		0.672	0.280	ug/L		05/13/25 09:25	05/14/25 10:28	1
Silvex (2,4,5-TP)	<0.0560		0.0560	0.0246	ug/L		05/13/25 09:25	05/14/25 10:28	1
2,4,5-T	<0.168		0.168	0.0727	ug/L		05/13/25 09:25	05/14/25 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*91*		*34 - 142*	*05/13/25 09:25*	*05/14/25 10:28*	*1*
DCAA	*86*		*34 - 142*	*05/13/25 09:25*	*05/14/25 10:28*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/12/25 08:00	05/14/25 17:31	1

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-7B1
Lab Sample ID: 310-305780-4
Date Collected: 05/06/25 12:45
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00361**		0.00200	0.000530	mg/L		05/12/25 08:00	05/14/25 17:31	1
Barium	**0.444**		0.00200	0.000660	mg/L		05/12/25 08:00	05/14/25 17:31	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/12/25 08:00	05/14/25 17:31	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/12/25 08:00	05/14/25 17:31	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/12/25 08:00	05/14/25 17:31	1
Cobalt	**0.000186**	**J**	0.000500	0.000170	mg/L		05/12/25 08:00	05/14/25 17:31	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/12/25 08:00	05/14/25 17:31	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/12/25 08:00	05/14/25 17:31	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/12/25 08:00	05/14/25 17:31	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/12/25 08:00	05/14/25 17:31	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/12/25 08:00	05/14/25 17:31	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/12/25 08:00	05/14/25 17:31	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/12/25 08:00	05/14/25 17:31	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/12/25 08:00	05/14/25 17:31	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/12/25 08:00	05/14/25 17:31	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/14/25 08:46	05/14/25 14:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/12/25 09:57	05/14/25 21:26	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/12/25 01:54	1
Total Suspended Solids (USGS I-3765-85)	**43.0**		15.0	10.5	mg/L			05/08/25 14:34	1

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-5B
Lab Sample ID: 310-305780-5
Date Collected: 05/06/25 13:38
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/09/25 17:48	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/09/25 17:48	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/09/25 17:48	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/09/25 17:48	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/09/25 17:48	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/09/25 17:48	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/09/25 17:48	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/09/25 17:48	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/09/25 17:48	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/09/25 17:48	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/09/25 17:48	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/09/25 17:48	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/09/25 17:48	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/09/25 17:48	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/09/25 17:48	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/09/25 17:48	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/09/25 17:48	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/09/25 17:48	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/09/25 17:48	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/09/25 17:48	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/09/25 17:48	1
Acetone	<10.0		10.0	3.10	ug/L			05/09/25 17:48	1
Acrolein	<10.0		10.0	3.60	ug/L			05/09/25 17:48	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/09/25 17:48	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/09/25 17:48	1
Benzene	<0.500		0.500	0.220	ug/L			05/09/25 17:48	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/09/25 17:48	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/09/25 17:48	1
Bromoform	<5.00		5.00	0.780	ug/L			05/09/25 17:48	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/09/25 17:48	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/09/25 17:48	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/09/25 17:48	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/09/25 17:48	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/09/25 17:48	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/09/25 17:48	1
Chloroform	<3.00		3.00	1.30	ug/L			05/09/25 17:48	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/09/25 17:48	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/09/25 17:48	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/09/25 17:48	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/09/25 17:48	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/09/25 17:48	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/09/25 17:48	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/09/25 17:48	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/09/25 17:48	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/09/25 17:48	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/09/25 17:48	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/09/25 17:48	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/09/25 17:48	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/09/25 17:48	1

Client Sample ID: MW-5B
Lab Sample ID: 310-305780-5
Date Collected: 05/06/25 13:38
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/09/25 17:48	1
Styrene	<1.00		1.00	0.370	ug/L			05/09/25 17:48	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/09/25 17:48	1
Toluene	<1.00		1.00	0.430	ug/L			05/09/25 17:48	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/09/25 17:48	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/09/25 17:48	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/09/25 17:48	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/09/25 17:48	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/09/25 17:48	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/09/25 17:48	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/09/25 17:48	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/09/25 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*05/09/25 17:48*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/09/25 17:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/09/25 17:48*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.4		10.4	0.667	ug/L		05/08/25 09:38	05/10/25 12:27	1
Acenaphthylene	<10.4		10.4	0.750	ug/L		05/08/25 09:38	05/10/25 12:27	1
Acetophenone	<10.4		10.4	0.719	ug/L		05/08/25 09:38	05/10/25 12:27	1
2-Acetylaminofluorene	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/15/25 16:30	1
4-Aminobiphenyl	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/15/25 16:30	1
Anthracene	<10.4		10.4	0.906	ug/L		05/08/25 09:38	05/10/25 12:27	1
Benzo[a]anthracene	<10.4		10.4	0.885	ug/L		05/08/25 09:38	05/10/25 12:27	1
Benzo[a]pyrene	<10.4		10.4	8.44	ug/L		05/08/25 09:38	05/10/25 12:27	1
Benzo[b]fluoranthene	<10.4		10.4	5.10	ug/L		05/08/25 09:38	05/10/25 12:27	1
Benzo[g,h,i]perylene	<10.4		10.4	6.56	ug/L		05/08/25 09:38	05/10/25 12:27	1
Benzo[k]fluoranthene	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/10/25 12:27	1
Benzyl alcohol	<10.4		10.4	1.35	ug/L		05/08/25 09:38	05/10/25 12:27	1
Bis(2-chloroethoxy)methane	<10.4		10.4	0.792	ug/L		05/08/25 09:38	05/10/25 12:27	1
Bis(2-chloroethyl)ether	<10.4		10.4	0.854	ug/L		05/08/25 09:38	05/10/25 12:27	1
bis (2-chloroisopropyl) ether	<10.4		10.4	0.563	ug/L		05/08/25 09:38	05/10/25 12:27	1
Bis(2-ethylhexyl) phthalate	<10.4		10.4	5.73	ug/L		05/08/25 09:38	05/10/25 12:27	1
4-Bromophenyl phenyl ether	<10.4		10.4	0.729	ug/L		05/08/25 09:38	05/10/25 12:27	1
Butyl benzyl phthalate	<10.4		10.4	5.63	ug/L		05/08/25 09:38	05/10/25 12:27	1
4-Chloroaniline	<10.4		10.4	0.646	ug/L		05/08/25 09:38	05/10/25 12:27	1
Chlorobenzilate	<10.4	*+	10.4	3.75	ug/L		05/08/25 09:38	05/15/25 16:30	1
4-Chloro-3-methylphenol	<10.4		10.4	0.875	ug/L		05/08/25 09:38	05/10/25 12:27	1
2-Chloronaphthalene	<10.4		10.4	0.667	ug/L		05/08/25 09:38	05/10/25 12:27	1
2-Chlorophenol	<10.4		10.4	0.563	ug/L		05/08/25 09:38	05/10/25 12:27	1
4-Chlorophenyl phenyl ether	<10.4		10.4	0.719	ug/L		05/08/25 09:38	05/10/25 12:27	1
Chrysene	<10.4		10.4	0.906	ug/L		05/08/25 09:38	05/10/25 12:27	1
Diallate	<10.4		10.4	4.17	ug/L		05/08/25 09:38	05/15/25 16:30	1
Dibenzo(a,h)anthracene	<10.4		10.4	4.06	ug/L		05/08/25 09:38	05/10/25 12:27	1
Dibenzofuran	<10.4		10.4	0.771	ug/L		05/08/25 09:38	05/10/25 12:27	1
3,3'-Dichlorobenzidine	<10.4		10.4	1.46	ug/L		05/08/25 09:38	05/10/25 12:27	1
2,4-Dichlorophenol	<10.4		10.4	0.885	ug/L		05/08/25 09:38	05/10/25 12:27	1

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-5B
Lab Sample ID: 310-305780-5
Date Collected: 05/06/25 13:38
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.4		10.4	0.719	ug/L		05/08/25 09:38	05/10/25 12:27	1
Diethyl phthalate	<10.4		10.4	1.77	ug/L		05/08/25 09:38	05/10/25 12:27	1
Dimethoate	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 16:30	1
7,12-Dimethylbenz(a)anthracene	<10.4		10.4	1.98	ug/L		05/08/25 09:38	05/15/25 16:30	1
3,3'-Dimethylbenzidine	<10.4		10.4	1.56	ug/L		05/08/25 09:38	05/15/25 16:30	1
2,4-Dimethylphenol	<10.4		10.4	0.604	ug/L		05/08/25 09:38	05/10/25 12:27	1
Dimethyl phthalate	<10.4		10.4	1.04	ug/L		05/08/25 09:38	05/10/25 12:27	1
Di-n-butyl phthalate	<10.4		10.4	5.83	ug/L		05/08/25 09:38	05/10/25 12:27	1
1,3-Dinitrobenzene	<10.4		10.4	3.33	ug/L		05/08/25 09:38	05/10/25 12:27	1
4,6-Dinitro-2-methylphenol	<10.4		10.4	7.19	ug/L		05/08/25 09:38	05/10/25 12:27	1
2,4-Dinitrophenol	<20.8		20.8	13.5	ug/L		05/08/25 09:38	05/10/25 12:27	1
2,4-Dinitrotoluene	<10.4		10.4	6.67	ug/L		05/08/25 09:38	05/10/25 12:27	1
2,6-Dinitrotoluene	<10.4		10.4	0.542	ug/L		05/08/25 09:38	05/10/25 12:27	1
Di-n-octyl phthalate	<20.8		20.8	7.29	ug/L		05/08/25 09:38	05/10/25 12:27	1
Dinoseb	<10.4		10.4	2.50	ug/L		05/08/25 09:38	05/15/25 16:30	1
Diphenylamine	<10.4		10.4	6.25	ug/L		05/08/25 09:38	05/10/25 12:27	1
Disulfoton	<10.4		10.4	2.50	ug/L		05/08/25 09:38	05/15/25 16:30	1
Ethyl methanesulfonate	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 16:30	1
Ethyl Parathion	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/15/25 16:30	1
Famphur	<10.4		10.4	3.96	ug/L		05/08/25 09:38	05/21/25 18:20	1
Fluoranthene	<10.4		10.4	1.77	ug/L		05/08/25 09:38	05/10/25 12:27	1
Fluorene	<10.4		10.4	0.823	ug/L		05/08/25 09:38	05/10/25 12:27	1
Hexachlorobenzene	<10.4		10.4	0.729	ug/L		05/08/25 09:38	05/10/25 12:27	1
Hexachlorobutadiene	<10.4		10.4	0.896	ug/L		05/08/25 09:38	05/10/25 12:27	1
Hexachlorocyclopentadiene	<10.4		10.4	5.31	ug/L		05/08/25 09:38	05/10/25 12:27	1
Hexachloroethane	<10.4		10.4	1.01	ug/L		05/08/25 09:38	05/10/25 12:27	1
Hexachloropropene	<10.4		10.4	2.71	ug/L		05/08/25 09:38	05/15/25 16:30	1
Indeno[1,2,3-cd]pyrene	<10.4		10.4	4.38	ug/L		05/08/25 09:38	05/10/25 12:27	1
Isodrin	<10.4		10.4	4.90	ug/L		05/08/25 09:38	05/15/25 16:30	1
Isophorone	<10.4		10.4	0.969	ug/L		05/08/25 09:38	05/10/25 12:27	1
Isosafrole	<10.4		10.4	2.40	ug/L		05/08/25 09:38	05/15/25 16:30	1
Kepone	<10.4		10.4	1.04	ug/L		05/08/25 09:38	05/15/25 16:30	1
Methapyrilene	<10.4		10.4	0.792	ug/L		05/08/25 09:38	05/15/25 16:30	1
3-Methylcholanthrene	<10.4		10.4	0.333	ug/L		05/08/25 09:38	05/15/25 16:30	1
Methyl methanesulfonate	<10.4		10.4	3.44	ug/L		05/08/25 09:38	05/15/25 16:30	1
2-Methylnaphthalene	<10.4		10.4	0.615	ug/L		05/08/25 09:38	05/10/25 12:27	1
Methyl parathion	<10.4		10.4	2.40	ug/L		05/08/25 09:38	05/15/25 16:30	1
2-Methylphenol	<10.4		10.4	0.677	ug/L		05/08/25 09:38	05/10/25 12:27	1
Methylphenol, 3 & 4	<10.4		10.4	0.729	ug/L		05/08/25 09:38	05/10/25 12:27	1
1,4-Naphthoquinone	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 16:30	1
1-Naphthylamine	<10.4		10.4	2.60	ug/L		05/08/25 09:38	05/15/25 16:30	1
2-Naphthylamine	<10.4		10.4	2.19	ug/L		05/08/25 09:38	05/15/25 16:30	1
2-Nitroaniline	<10.4		10.4	6.15	ug/L		05/08/25 09:38	05/10/25 12:27	1
3-Nitroaniline	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/10/25 12:27	1
4-Nitroaniline	<10.4		10.4	1.35	ug/L		05/08/25 09:38	05/10/25 12:27	1
Nitrobenzene	<10.4		10.4	0.833	ug/L		05/08/25 09:38	05/10/25 12:27	1
5-Nitro-o-toluidine	<10.4		10.4	2.92	ug/L		05/08/25 09:38	05/15/25 16:30	1
2-Nitrophenol	<10.4		10.4	7.08	ug/L		05/08/25 09:38	05/10/25 12:27	1
4-Nitrophenol	<10.4		10.4	7.92	ug/L		05/08/25 09:38	05/10/25 12:27	1

Client Sample ID: MW-5B
Lab Sample ID: 310-305780-5
Date Collected: 05/06/25 13:38
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.4		10.4	3.54	ug/L		05/08/25 09:38	05/15/25 16:30	1
N-Nitrosodimethylamine	<10.4		10.4	0.750	ug/L		05/08/25 09:38	05/10/25 12:27	1
N-Nitrosodi-n-butylamine	<10.4		10.4	4.06	ug/L		05/08/25 09:38	05/15/25 16:30	1
N-Nitrosodi-n-propylamine	<10.4		10.4	0.958	ug/L		05/08/25 09:38	05/10/25 12:27	1
N-Nitrosodiphenylamine	<10.4		10.4	0.781	ug/L		05/08/25 09:38	05/10/25 12:27	1
N-Nitrosomethylethylamine	<10.4		10.4	5.10	ug/L		05/08/25 09:38	05/15/25 16:30	1
N-Nitrosopiperidine	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/15/25 16:30	1
N-Nitrosopyrrolidine	<10.4		10.4	3.75	ug/L		05/08/25 09:38	05/15/25 16:30	1
o,o',o''-Triethylphosphorothioate	<10.4		10.4	3.33	ug/L		05/08/25 09:38	05/15/25 16:30	1
o-Toluidine	<10.4		10.4	3.02	ug/L		05/08/25 09:38	05/15/25 16:30	1
p-Dimethylamino azobenzene	<10.4		10.4	2.29	ug/L		05/08/25 09:38	05/15/25 16:30	1
Pentachlorobenzene	<10.4		10.4	2.92	ug/L		05/08/25 09:38	05/15/25 16:30	1
Pentachloronitrobenzene	<10.4		10.4	6.04	ug/L		05/08/25 09:38	05/15/25 16:30	1
Pentachlorophenol	<10.4		10.4	10.0	ug/L		05/08/25 09:38	05/10/25 12:27	1
Phenacetin	<10.4		10.4	1.98	ug/L		05/08/25 09:38	05/15/25 16:30	1
Phenanthrene	<10.4		10.4	0.823	ug/L		05/08/25 09:38	05/10/25 12:27	1
Phenol	<10.4		10.4	1.15	ug/L		05/08/25 09:38	05/10/25 12:27	1
1,4-phenylenediamine	<10.4	*-	10.4	1.98	ug/L		05/08/25 09:38	05/15/25 16:30	1
Phorate	<10.4		10.4	3.33	ug/L		05/08/25 09:38	05/15/25 16:30	1
Pronamide	<10.4		10.4	2.81	ug/L		05/08/25 09:38	05/15/25 16:30	1
Pyrene	<10.4		10.4	0.823	ug/L		05/08/25 09:38	05/10/25 12:27	1
Safrole	<10.4		10.4	2.92	ug/L		05/08/25 09:38	05/15/25 16:30	1
1,2,4,5-Tetrachlorobenzene	<10.4		10.4	0.563	ug/L		05/08/25 09:38	05/10/25 12:27	1
2,3,4,6-Tetrachlorophenol	<10.4		10.4	5.52	ug/L		05/08/25 09:38	05/10/25 12:27	1
Thionazin	<10.4		10.4	3.65	ug/L		05/08/25 09:38	05/15/25 16:30	1
2,4,5-Trichlorophenol	<10.4		10.4	5.52	ug/L		05/08/25 09:38	05/10/25 12:27	1
2,4,6-Trichlorophenol	<10.4		10.4	5.21	ug/L		05/08/25 09:38	05/10/25 12:27	1
1,3,5-Trinitrobenzene	<10.4		10.4	2.40	ug/L		05/08/25 09:38	05/15/25 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*39 - 118*	*05/08/25 09:38*	*05/10/25 12:27*	*1*
2-Fluorobiphenyl (Surr)	*86*		*39 - 118*	*05/08/25 09:38*	*05/15/25 16:30*	*1*
2-Fluorophenol (Surr)	*54*		*25 - 110*	*05/08/25 09:38*	*05/10/25 12:27*	*1*
2-Fluorophenol (Surr)	*54*		*25 - 110*	*05/08/25 09:38*	*05/15/25 16:30*	*1*
Nitrobenzene-d5 (Surr)	*66*		*45 - 129*	*05/08/25 09:38*	*05/10/25 12:27*	*1*
Nitrobenzene-d5 (Surr)	*72*		*45 - 129*	*05/08/25 09:38*	*05/15/25 16:30*	*1*
Phenol-d5 (Surr)	*44*		*21 - 110*	*05/08/25 09:38*	*05/10/25 12:27*	*1*
Phenol-d5 (Surr)	*48*		*21 - 110*	*05/08/25 09:38*	*05/15/25 16:30*	*1*
Terphenyl-d14 (Surr)	*74*		*12 - 144*	*05/08/25 09:38*	*05/10/25 12:27*	*1*
Terphenyl-d14 (Surr)	*97*		*12 - 144*	*05/08/25 09:38*	*05/15/25 16:30*	*1*
2,4,6-Tribromophenol (Surr)	*68*		*27 - 136*	*05/08/25 09:38*	*05/10/25 12:27*	*1*
2,4,6-Tribromophenol (Surr)	*93*		*27 - 136*	*05/08/25 09:38*	*05/15/25 16:30*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/09/25 15:41	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/09/25 15:41	1

Client Sample ID: MW-5B
Lab Sample ID: 310-305780-5
Date Collected: 05/06/25 13:38
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0900		0.0900	0.0225	ug/L		05/08/25 12:17	05/21/25 11:38	1
4,4'-DDE	<0.0900		0.0900	0.0270	ug/L		05/08/25 12:17	05/21/25 11:38	1
4,4'-DDT	<0.0900		0.0900	0.0180	ug/L		05/08/25 12:17	05/21/25 11:38	1
Aldrin	<0.0900		0.0900	0.0198	ug/L		05/08/25 12:17	05/21/25 11:38	1
alpha-BHC	<0.0900		0.0900	0.00900	ug/L		05/08/25 12:17	05/21/25 11:38	1
beta-BHC	<0.0900		0.0900	0.0378	ug/L		05/08/25 12:17	05/21/25 11:38	1
Chlordane (technical)	<1.80		1.80	0.351	ug/L		05/08/25 12:17	05/21/25 11:38	1
delta-BHC	<0.0900		0.0900	0.0288	ug/L		05/08/25 12:17	05/21/25 11:38	1
Dieldrin	<0.0900		0.0900	0.0189	ug/L		05/08/25 12:17	05/21/25 11:38	1
Endosulfan I	<0.0900		0.0900	0.0252	ug/L		05/08/25 12:17	05/21/25 11:38	1
Endosulfan II	<0.0900		0.0900	0.0234	ug/L		05/08/25 12:17	05/21/25 11:38	1
Endosulfan sulfate	<0.0900		0.0900	0.0162	ug/L		05/08/25 12:17	05/21/25 11:38	1
Endrin	<0.0900		0.0900	0.0252	ug/L		05/08/25 12:17	05/21/25 11:38	1
Endrin aldehyde	<0.0900		0.0900	0.0243	ug/L		05/08/25 12:17	05/21/25 11:38	1
gamma-BHC (Lindane)	<0.0900		0.0900	0.00900	ug/L		05/08/25 12:17	05/21/25 11:38	1
Heptachlor	<0.0900		0.0900	0.0207	ug/L		05/08/25 12:17	05/21/25 11:38	1
Heptachlor epoxide	<0.0900		0.0900	0.0288	ug/L		05/08/25 12:17	05/21/25 11:38	1
Methoxychlor	<0.0900		0.0900	0.0288	ug/L		05/08/25 12:17	05/21/25 11:38	1
Toxaphene	<1.80		1.80	0.900	ug/L		05/08/25 12:17	05/21/25 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*61*		*10 - 150*	*05/08/25 12:17*	*05/21/25 11:38*	*1*
Tetrachloro-m-xylene	*81*		*17 - 150*	*05/08/25 12:17*	*05/21/25 11:38*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.80		1.80	0.738	ug/L		05/08/25 12:17	05/21/25 11:38	1
PCB-1221	<1.80		1.80	0.738	ug/L		05/08/25 12:17	05/21/25 11:38	1
PCB-1232	<1.80		1.80	0.738	ug/L		05/08/25 12:17	05/21/25 11:38	1
PCB-1242	<1.80		1.80	0.738	ug/L		05/08/25 12:17	05/21/25 11:38	1
PCB-1248	<1.80		1.80	0.621	ug/L		05/08/25 12:17	05/21/25 11:38	1
PCB-1254	<1.80		1.80	0.621	ug/L		05/08/25 12:17	05/21/25 11:38	1
PCB-1260	<1.80		1.80	0.621	ug/L		05/08/25 12:17	05/21/25 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*61*		*10 - 150*	*05/08/25 12:17*	*05/21/25 11:38*	*1*
Tetrachloro-m-xylene	*81*		*17 - 150*	*05/08/25 12:17*	*05/21/25 11:38*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.659		0.659	0.275	ug/L		05/13/25 09:25	05/14/25 11:04	1
Silvex (2,4,5-TP)	<0.0549		0.0549	0.0242	ug/L		05/13/25 09:25	05/14/25 11:04	1
2,4,5-T	<0.165		0.165	0.0714	ug/L		05/13/25 09:25	05/14/25 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*89*		*34 - 142*	*05/13/25 09:25*	*05/14/25 11:04*	*1*
DCAA	*85*		*34 - 142*	*05/13/25 09:25*	*05/14/25 11:04*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/12/25 08:00	05/14/25 17:34	1

Client Sample ID: MW-5B
Lab Sample ID: 310-305780-5
Date Collected: 05/06/25 13:38
Matrix: Water
Date Received: 05/07/25 15:45

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.000655**	**J**	0.00200	0.000530	mg/L		05/12/25 08:00	05/14/25 17:34	1
Barium	**0.198**		0.00200	0.000660	mg/L		05/12/25 08:00	05/14/25 17:34	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/12/25 08:00	05/14/25 17:34	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/12/25 08:00	05/14/25 17:34	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/12/25 08:00	05/14/25 17:34	1
Cobalt	**0.00120**		0.000500	0.000170	mg/L		05/12/25 08:00	05/14/25 17:34	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/12/25 08:00	05/14/25 17:34	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/12/25 08:00	05/14/25 17:34	1
Nickel	**0.00615**		0.00500	0.00230	mg/L		05/12/25 08:00	05/14/25 17:34	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/12/25 08:00	05/14/25 17:34	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/12/25 08:00	05/14/25 17:34	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/12/25 08:00	05/14/25 17:34	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/12/25 08:00	05/14/25 17:34	1
Zinc	**0.0153**	**J**	0.0200	0.0130	mg/L		05/12/25 08:00	05/14/25 17:34	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/12/25 08:00	05/14/25 17:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/14/25 08:46	05/14/25 14:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/12/25 09:57	05/14/25 21:26	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/12/25 01:58	1
Total Suspended Solids (USGS I-3765-85)	**4.25**		1.88	1.31	mg/L			05/08/25 14:34	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-305780-1	MW1B	105	95	102
310-305780-2	MW-201A	110	97	101
310-305780-3	MW-203A	109	97	103
310-305780-4	MW-7B1	101	99	100
310-305780-5	MW-5B	113	95	100
LCS 310-454123/7	Lab Control Sample	97	103	99
LCS 310-454123/8	Lab Control Sample	111	96	103
MB 310-454123/6	Method Blank	108	99	100

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(39-118)	(25-110)	(45-129)	(21-110)	(12-144)	(27-136)
310-305780-1	MW1B	101	70	78	60	87	82
310-305780-1	MW1B	101	73	89	67	116	112
310-305780-2	MW-201A	93	65	76	54	75	80
310-305780-2	MW-201A	92	66	84	59	98	113
310-305780-3	MW-203A	95	65	73	56	78	82
310-305780-3	MW-203A	91	67	80	60	103	118
310-305780-4	MW-7B1	69	50	58	41	59	58
310-305780-4	MW-7B1	72	48	61	42	73	72
310-305780-5	MW-5B	83	54	66	44	74	68
310-305780-5	MW-5B	86	54	72	48	97	93
LCS 310-454110/2-A	Lab Control Sample	76	60	69	44	70	73
LCS 310-454110/2-A	Lab Control Sample	76	58	66	49	77	106
LCSD 310-454110/3-A	Lab Control Sample Dup	71	61	66	44	64	71
LCSD 310-454110/3-A	Lab Control Sample Dup	74	56	65	48	75	100
MB 310-454110/1-A	Method Blank	138 S1+	93	112	76	104	110
MB 310-454110/1-A	Method Blank	128 S1+	100	125	88	148 S1+	169 S1+

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-305780-1	MW1B	59	66
310-305780-1 MS	MW1B	66	80
310-305780-1 MSD	MW1B	65	68
310-305780-2	MW-201A	73	77
310-305780-3	MW-203A	74	87
LCS 310-454139/2-A	Lab Control Sample	70	79
MB 310-454139/1-A	Method Blank	65	80

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-305780-4	MW-7B1	43	71
310-305780-5	MW-5B	61	81

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-305780-1	MW1B	59	66
310-305780-1 MS	MW1B	66	80
310-305780-1 MSD	MW1B	65	68
310-305780-2	MW-201A	73	77
310-305780-2 MS	MW-201A	93	73
310-305780-2 MSD	MW-201A	79	58
310-305780-3	MW-203A	74	87
LCS 310-454139/6-A	Lab Control Sample	83	71
MB 310-454139/1-A	Method Blank	65	80

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-305780-4	MW-7B1	43	71
310-305780-5	MW-5B	61	81

Surrogate Summary

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	DCPAA1 (34-142)	DCPAA2 (34-142)										
310-305780-1	MW1B	99	84										
310-305780-2	MW-201A	95	87										
310-305780-3	MW-203A	96	89										
310-305780-4	MW-7B1	91	86										
310-305780-5	MW-5B	89	85										
LCS 410-643253/2-A	Lab Control Sample	105	102										
LCS 410-643253/2-A - DL	Lab Control Sample	109	111										
MB 410-643253/1-A	Method Blank	95	91										

Surrogate Legend

DCPAA = DCAA

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-454123/6
Matrix: Water
Analysis Batch: 454123

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/09/25 09:31	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/09/25 09:31	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/09/25 09:31	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/09/25 09:31	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/09/25 09:31	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/09/25 09:31	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/09/25 09:31	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/09/25 09:31	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/09/25 09:31	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/09/25 09:31	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/09/25 09:31	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/09/25 09:31	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/09/25 09:31	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/09/25 09:31	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/09/25 09:31	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/09/25 09:31	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/09/25 09:31	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/09/25 09:31	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/09/25 09:31	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/09/25 09:31	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/09/25 09:31	1
Acetone	<10.0		10.0	3.10	ug/L			05/09/25 09:31	1
Acrolein	<10.0		10.0	3.60	ug/L			05/09/25 09:31	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/09/25 09:31	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/09/25 09:31	1
Benzene	<0.500		0.500	0.220	ug/L			05/09/25 09:31	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/09/25 09:31	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/09/25 09:31	1
Bromoform	<5.00		5.00	0.780	ug/L			05/09/25 09:31	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/09/25 09:31	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/09/25 09:31	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/09/25 09:31	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/09/25 09:31	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/09/25 09:31	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/09/25 09:31	1
Chloroform	<3.00		3.00	1.30	ug/L			05/09/25 09:31	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/09/25 09:31	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/09/25 09:31	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/09/25 09:31	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/09/25 09:31	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/09/25 09:31	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/09/25 09:31	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/09/25 09:31	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/09/25 09:31	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/09/25 09:31	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/09/25 09:31	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/09/25 09:31	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/09/25 09:31	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-454123/6
Matrix: Water
Analysis Batch: 454123

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00	3.00	ug/L			05/09/25 09:31	1
Propionitrile	<10.0		10.0	3.40	ug/L			05/09/25 09:31	1
Styrene	<1.00		1.00	0.370	ug/L			05/09/25 09:31	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/09/25 09:31	1
Toluene	<1.00		1.00	0.430	ug/L			05/09/25 09:31	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/09/25 09:31	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/09/25 09:31	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/09/25 09:31	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/09/25 09:31	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/09/25 09:31	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/09/25 09:31	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/09/25 09:31	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/09/25 09:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*76 - 130*		*05/09/25 09:31*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/09/25 09:31*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/09/25 09:31*	*1*

Lab Sample ID: LCS 310-454123/7
Matrix: Water
Analysis Batch: 454123

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	18.99		ug/L		95	70 - 121
1,1,1-Trichloroethane	20.0	19.66		ug/L		98	69 - 130
1,1,2,2-Tetrachloroethane	20.0	16.76		ug/L		84	70 - 122
1,1,2-Trichloroethane	20.0	17.91		ug/L		90	75 - 121
1,1-Dichloroethane	20.0	20.48		ug/L		102	69 - 127
1,1-Dichloroethene	20.0	20.62		ug/L		103	64 - 134
1,1-Dichloropropene	20.0	19.44		ug/L		97	70 - 133
1,2,3-Trichloropropane	20.0	17.13		ug/L		86	70 - 122
1,2,4-Trichlorobenzene	20.0	17.67		ug/L		88	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	19.15		ug/L		96	62 - 132
1,2-Dibromoethane (EDB)	20.0	16.80		ug/L		84	74 - 122
1,2-Dichlorobenzene	20.0	18.62		ug/L		93	74 - 120
1,2-Dichloroethane	20.0	20.44		ug/L		102	68 - 125
1,2-Dichloropropane	20.0	19.93		ug/L		100	72 - 128
1,3-Dichlorobenzene	20.0	17.33		ug/L		87	71 - 120
1,3-Dichloropropane	20.0	18.25		ug/L		91	72 - 125
1,4-Dichlorobenzene	20.0	17.71		ug/L		89	72 - 120
2,2-Dichloropropane	20.0	20.13		ug/L		101	51 - 146
2-Butanone (MEK)	40.0	42.31		ug/L		106	60 - 134
2-Hexanone	40.0	38.30		ug/L		96	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	40.88		ug/L		102	62 - 136
Acetone	40.0	38.95		ug/L		97	59 - 136
Acrolein	94.8	93.20		ug/L		98	50 - 150
Acrylonitrile	200	199.5		ug/L		100	50 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454123/7
Matrix: Water
Analysis Batch: 454123

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Allyl chloride	20.0	19.95		ug/L		100	61 - 136
Benzene	20.0	19.68		ug/L		98	71 - 125
Bromochloromethane	20.0	20.16		ug/L		101	69 - 131
Bromodichloromethane	20.0	18.47		ug/L		92	70 - 122
Bromoform	20.0	16.84		ug/L		84	62 - 122
Carbon disulfide	20.0	20.39		ug/L		102	58 - 137
Carbon tetrachloride	20.0	20.58		ug/L		103	63 - 136
Chlorobenzene	20.0	18.39		ug/L		92	74 - 120
Chlorodibromomethane	20.0	17.06		ug/L		85	69 - 121
Chloroform	20.0	20.49		ug/L		102	72 - 122
Chloroprene	20.0	20.63		ug/L		103	67 - 136
cis-1,2-Dichloroethene	20.0	20.06		ug/L		100	72 - 123
cis-1,3-Dichloropropene	20.0	18.66		ug/L		93	72 - 123
Dibromomethane	20.0	20.16		ug/L		101	72 - 122
Ethyl methacrylate	20.0	20.26		ug/L		101	68 - 128
Ethylbenzene	20.0	19.10		ug/L		95	75 - 120
Iodomethane	20.0	13.38		ug/L		67	18 - 150
Methacrylonitrile	200	176.1		ug/L		88	67 - 128
Methyl methacrylate	40.0	37.93		ug/L		95	69 - 129
Methylene Chloride	20.0	21.06		ug/L		105	72 - 128
Naphthalene	20.0	18.83		ug/L		94	69 - 126
Propionitrile	200	201.0		ug/L		101	68 - 131
Styrene	20.0	17.18		ug/L		86	74 - 122
Tetrachloroethene	20.0	18.78		ug/L		94	70 - 128
Toluene	20.0	20.32		ug/L		102	74 - 120
trans-1,2-Dichloroethene	20.0	20.29		ug/L		101	67 - 127
trans-1,3-Dichloropropene	20.0	17.81		ug/L		89	67 - 123
trans-1,4-Dichloro-2-butene	20.0	18.91		ug/L		95	50 - 150
Trichloroethene	20.0	17.68		ug/L		88	70 - 128
Vinyl acetate	40.0	33.63		ug/L		84	50 - 150
Xylenes, Total	40.0	38.23		ug/L		96	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*76 - 130*
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: LCS 310-454123/8
Matrix: Water
Analysis Batch: 454123

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	14.68		ug/L		73	33 - 138
Chloroethane	20.0	17.98		ug/L		90	59 - 139
Chloromethane	20.0	18.72		ug/L		94	52 - 146
Dichlorodifluoromethane	20.0	19.58		ug/L		98	45 - 150
Trichlorofluoromethane	20.0	17.53		ug/L		88	55 - 150
Vinyl chloride	20.0	17.24		ug/L		86	60 - 142

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454123/8
Matrix: Water
Analysis Batch: 454123

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*111*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-454110/1-A
Matrix: Water
Analysis Batch: 454341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		05/08/25 09:38	05/10/25 08:00	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		05/08/25 09:38	05/10/25 08:00	1
Acetophenone	<10.0		10.0	0.690	ug/L		05/08/25 09:38	05/10/25 08:00	1
Anthracene	<10.0		10.0	0.870	ug/L		05/08/25 09:38	05/10/25 08:00	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		05/08/25 09:38	05/10/25 08:00	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		05/08/25 09:38	05/10/25 08:00	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		05/08/25 09:38	05/10/25 08:00	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		05/08/25 09:38	05/10/25 08:00	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		05/08/25 09:38	05/10/25 08:00	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		05/08/25 09:38	05/10/25 08:00	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		05/08/25 09:38	05/10/25 08:00	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		05/08/25 09:38	05/10/25 08:00	1
bis (2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		05/08/25 09:38	05/10/25 08:00	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		05/08/25 09:38	05/10/25 08:00	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		05/08/25 09:38	05/10/25 08:00	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		05/08/25 09:38	05/10/25 08:00	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		05/08/25 09:38	05/10/25 08:00	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		05/08/25 09:38	05/10/25 08:00	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		05/08/25 09:38	05/10/25 08:00	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		05/08/25 09:38	05/10/25 08:00	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		05/08/25 09:38	05/10/25 08:00	1
Chrysene	<10.0		10.0	0.870	ug/L		05/08/25 09:38	05/10/25 08:00	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		05/08/25 09:38	05/10/25 08:00	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		05/08/25 09:38	05/10/25 08:00	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		05/08/25 09:38	05/10/25 08:00	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		05/08/25 09:38	05/10/25 08:00	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		05/08/25 09:38	05/10/25 08:00	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		05/08/25 09:38	05/10/25 08:00	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		05/08/25 09:38	05/10/25 08:00	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		05/08/25 09:38	05/10/25 08:00	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		05/08/25 09:38	05/10/25 08:00	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		05/08/25 09:38	05/10/25 08:00	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		05/08/25 09:38	05/10/25 08:00	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		05/08/25 09:38	05/10/25 08:00	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		05/08/25 09:38	05/10/25 08:00	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		05/08/25 09:38	05/10/25 08:00	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		05/08/25 09:38	05/10/25 08:00	1
Diphenylamine	<10.0		10.0	6.00	ug/L		05/08/25 09:38	05/10/25 08:00	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-454110/1-A
Matrix: Water
Analysis Batch: 454341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<10.0		10.0	1.70	ug/L		05/08/25 09:38	05/10/25 08:00	1
Fluorene	<10.0		10.0	0.790	ug/L		05/08/25 09:38	05/10/25 08:00	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		05/08/25 09:38	05/10/25 08:00	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		05/08/25 09:38	05/10/25 08:00	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		05/08/25 09:38	05/10/25 08:00	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		05/08/25 09:38	05/10/25 08:00	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		05/08/25 09:38	05/10/25 08:00	1
Isophorone	<10.0		10.0	0.930	ug/L		05/08/25 09:38	05/10/25 08:00	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		05/08/25 09:38	05/10/25 08:00	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		05/08/25 09:38	05/10/25 08:00	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		05/08/25 09:38	05/10/25 08:00	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		05/08/25 09:38	05/10/25 08:00	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		05/08/25 09:38	05/10/25 08:00	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		05/08/25 09:38	05/10/25 08:00	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		05/08/25 09:38	05/10/25 08:00	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		05/08/25 09:38	05/10/25 08:00	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		05/08/25 09:38	05/10/25 08:00	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		05/08/25 09:38	05/10/25 08:00	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		05/08/25 09:38	05/10/25 08:00	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		05/08/25 09:38	05/10/25 08:00	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		05/08/25 09:38	05/10/25 08:00	1
Phenanthrene	<10.0		10.0	0.790	ug/L		05/08/25 09:38	05/10/25 08:00	1
Phenol	<10.0		10.0	1.10	ug/L		05/08/25 09:38	05/10/25 08:00	1
Pyrene	<10.0		10.0	0.790	ug/L		05/08/25 09:38	05/10/25 08:00	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		05/08/25 09:38	05/10/25 08:00	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		05/08/25 09:38	05/10/25 08:00	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		05/08/25 09:38	05/10/25 08:00	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		05/08/25 09:38	05/10/25 08:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*138*	*S1+*	*39 - 118*	*05/08/25 09:38*	*05/10/25 08:00*	*1*
2-Fluorophenol (Surr)	*93*		*25 - 110*	*05/08/25 09:38*	*05/10/25 08:00*	*1*
Nitrobenzene-d5 (Surr)	*112*		*45 - 129*	*05/08/25 09:38*	*05/10/25 08:00*	*1*
Phenol-d5 (Surr)	*76*		*21 - 110*	*05/08/25 09:38*	*05/10/25 08:00*	*1*
Terphenyl-d14 (Surr)	*104*		*12 - 144*	*05/08/25 09:38*	*05/10/25 08:00*	*1*
2,4,6-Tribromophenol (Surr)	*110*		*27 - 136*	*05/08/25 09:38*	*05/10/25 08:00*	*1*

Lab Sample ID: MB 310-454110/1-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		05/08/25 09:38	05/15/25 13:25	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		05/08/25 09:38	05/15/25 13:25	1
Acetophenone	<10.0		10.0	0.690	ug/L		05/08/25 09:38	05/15/25 13:25	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		05/08/25 09:38	05/15/25 13:25	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		05/08/25 09:38	05/15/25 13:25	1
Anthracene	<10.0		10.0	0.870	ug/L		05/08/25 09:38	05/15/25 13:25	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-454110/1-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		05/08/25 09:38	05/15/25 13:25	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		05/08/25 09:38	05/15/25 13:25	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		05/08/25 09:38	05/15/25 13:25	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		05/08/25 09:38	05/15/25 13:25	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		05/08/25 09:38	05/15/25 13:25	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		05/08/25 09:38	05/15/25 13:25	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		05/08/25 09:38	05/15/25 13:25	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		05/08/25 09:38	05/15/25 13:25	1
bis (2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		05/08/25 09:38	05/15/25 13:25	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		05/08/25 09:38	05/15/25 13:25	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		05/08/25 09:38	05/15/25 13:25	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		05/08/25 09:38	05/15/25 13:25	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		05/08/25 09:38	05/15/25 13:25	1
Chlorobenzilate	<10.0		10.0	3.60	ug/L		05/08/25 09:38	05/15/25 13:25	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		05/08/25 09:38	05/15/25 13:25	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		05/08/25 09:38	05/15/25 13:25	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		05/08/25 09:38	05/15/25 13:25	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		05/08/25 09:38	05/15/25 13:25	1
Chrysene	<10.0		10.0	0.870	ug/L		05/08/25 09:38	05/15/25 13:25	1
Diallate	<10.0		10.0	4.00	ug/L		05/08/25 09:38	05/15/25 13:25	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		05/08/25 09:38	05/15/25 13:25	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		05/08/25 09:38	05/15/25 13:25	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		05/08/25 09:38	05/15/25 13:25	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		05/08/25 09:38	05/15/25 13:25	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		05/08/25 09:38	05/15/25 13:25	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		05/08/25 09:38	05/15/25 13:25	1
Dimethoate	<10.0		10.0	3.60	ug/L		05/08/25 09:38	05/15/25 13:25	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		05/08/25 09:38	05/15/25 13:25	1
3,3'-Dimethylbenzidine	<10.0		10.0	1.50	ug/L		05/08/25 09:38	05/15/25 13:25	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		05/08/25 09:38	05/15/25 13:25	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		05/08/25 09:38	05/15/25 13:25	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		05/08/25 09:38	05/15/25 13:25	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		05/08/25 09:38	05/15/25 13:25	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		05/08/25 09:38	05/15/25 13:25	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		05/08/25 09:38	05/15/25 13:25	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		05/08/25 09:38	05/15/25 13:25	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		05/08/25 09:38	05/15/25 13:25	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		05/08/25 09:38	05/15/25 13:25	1
Dinoseb	<10.0		10.0	2.40	ug/L		05/08/25 09:38	05/15/25 13:25	1
Diphenylamine	<10.0		10.0	6.00	ug/L		05/08/25 09:38	05/15/25 13:25	1
Disulfoton	<10.0		10.0	2.40	ug/L		05/08/25 09:38	05/15/25 13:25	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		05/08/25 09:38	05/15/25 13:25	1
Ethyl Parathion	<10.0		10.0	2.20	ug/L		05/08/25 09:38	05/15/25 13:25	1
Fluoranthene	<10.0		10.0	1.70	ug/L		05/08/25 09:38	05/15/25 13:25	1
Fluorene	<10.0		10.0	0.790	ug/L		05/08/25 09:38	05/15/25 13:25	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		05/08/25 09:38	05/15/25 13:25	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		05/08/25 09:38	05/15/25 13:25	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		05/08/25 09:38	05/15/25 13:25	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		05/08/25 09:38	05/15/25 13:25	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-454110/1-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloropropene	<10.0		10.0	2.60	ug/L		05/08/25 09:38	05/15/25 13:25	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		05/08/25 09:38	05/15/25 13:25	1
Isodrin	<10.0		10.0	4.70	ug/L		05/08/25 09:38	05/15/25 13:25	1
Isophorone	<10.0		10.0	0.930	ug/L		05/08/25 09:38	05/15/25 13:25	1
Isosafrole	<10.0		10.0	2.30	ug/L		05/08/25 09:38	05/15/25 13:25	1
Kepone	<10.0		10.0	1.00	ug/L		05/08/25 09:38	05/15/25 13:25	1
Methapyrilene	<10.0		10.0	0.760	ug/L		05/08/25 09:38	05/15/25 13:25	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		05/08/25 09:38	05/15/25 13:25	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		05/08/25 09:38	05/15/25 13:25	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		05/08/25 09:38	05/15/25 13:25	1
Methyl parathion	<10.0		10.0	2.30	ug/L		05/08/25 09:38	05/15/25 13:25	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		05/08/25 09:38	05/15/25 13:25	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		05/08/25 09:38	05/15/25 13:25	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		05/08/25 09:38	05/15/25 13:25	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		05/08/25 09:38	05/15/25 13:25	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		05/08/25 09:38	05/15/25 13:25	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		05/08/25 09:38	05/15/25 13:25	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		05/08/25 09:38	05/15/25 13:25	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		05/08/25 09:38	05/15/25 13:25	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		05/08/25 09:38	05/15/25 13:25	1
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		05/08/25 09:38	05/15/25 13:25	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		05/08/25 09:38	05/15/25 13:25	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		05/08/25 09:38	05/15/25 13:25	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		05/08/25 09:38	05/15/25 13:25	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		05/08/25 09:38	05/15/25 13:25	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		05/08/25 09:38	05/15/25 13:25	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		05/08/25 09:38	05/15/25 13:25	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		05/08/25 09:38	05/15/25 13:25	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		05/08/25 09:38	05/15/25 13:25	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		05/08/25 09:38	05/15/25 13:25	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		05/08/25 09:38	05/15/25 13:25	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		05/08/25 09:38	05/15/25 13:25	1
o-Toluidine	<10.0		10.0	2.90	ug/L		05/08/25 09:38	05/15/25 13:25	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		05/08/25 09:38	05/15/25 13:25	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		05/08/25 09:38	05/15/25 13:25	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		05/08/25 09:38	05/15/25 13:25	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		05/08/25 09:38	05/15/25 13:25	1
Phenacetin	<10.0		10.0	1.90	ug/L		05/08/25 09:38	05/15/25 13:25	1
Phenanthrene	<10.0		10.0	0.790	ug/L		05/08/25 09:38	05/15/25 13:25	1
Phenol	<10.0		10.0	1.10	ug/L		05/08/25 09:38	05/15/25 13:25	1
1,4-phenylenediamine	<10.0		10.0	1.90	ug/L		05/08/25 09:38	05/15/25 13:25	1
Phorate	<10.0		10.0	3.20	ug/L		05/08/25 09:38	05/15/25 13:25	1
Pronamide	<10.0		10.0	2.70	ug/L		05/08/25 09:38	05/15/25 13:25	1
Pyrene	<10.0		10.0	0.790	ug/L		05/08/25 09:38	05/15/25 13:25	1
Safrole	<10.0		10.0	2.80	ug/L		05/08/25 09:38	05/15/25 13:25	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		05/08/25 09:38	05/15/25 13:25	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		05/08/25 09:38	05/15/25 13:25	1
Thionazin	<10.0		10.0	3.50	ug/L		05/08/25 09:38	05/15/25 13:25	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		05/08/25 09:38	05/15/25 13:25	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-454110/1-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		05/08/25 09:38	05/15/25 13:25	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		05/08/25 09:38	05/15/25 13:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*128*	*S1+*	*39 - 118*	*05/08/25 09:38*	*05/15/25 13:25*	*1*
2-Fluorophenol (Surr)	*100*		*25 - 110*	*05/08/25 09:38*	*05/15/25 13:25*	*1*
Nitrobenzene-d5 (Surr)	*125*		*45 - 129*	*05/08/25 09:38*	*05/15/25 13:25*	*1*
Phenol-d5 (Surr)	*88*		*21 - 110*	*05/08/25 09:38*	*05/15/25 13:25*	*1*
Terphenyl-d14 (Surr)	*148*	*S1+*	*12 - 144*	*05/08/25 09:38*	*05/15/25 13:25*	*1*
2,4,6-Tribromophenol (Surr)	*169*	*S1+*	*27 - 136*	*05/08/25 09:38*	*05/15/25 13:25*	*1*

Lab Sample ID: MB 310-454110/1-A
Matrix: Water
Analysis Batch: 455360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Famphur	<10.0		10.0	3.80	ug/L		05/08/25 09:38	05/21/25 16:04	1

Lab Sample ID: LCS 310-454110/2-A
Matrix: Water
Analysis Batch: 454341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454110

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	75.02		ug/L		75	43 - 110
Acenaphthylene	100	68.69		ug/L		69	40 - 110
Acetophenone	100	64.61		ug/L		65	48 - 119
Anthracene	100	69.77		ug/L		70	51 - 120
Benzo[a]anthracene	100	81.05		ug/L		81	51 - 123
Benzo[a]pyrene	100	91.40		ug/L		91	48 - 125
Benzo[b]fluoranthene	100	89.30		ug/L		89	49 - 129
Benzo[g,h,i]perylene	100	84.95		ug/L		85	43 - 139
Benzo[k]fluoranthene	100	77.58		ug/L		78	47 - 130
Benzyl alcohol	100	68.66		ug/L		69	39 - 128
Bis(2-chloroethoxy)methane	100	65.99		ug/L		66	48 - 121
Bis(2-chloroethyl)ether	100	58.19		ug/L		58	43 - 123
bis (2-chloroisopropyl) ether	100	59.61		ug/L		60	34 - 123
Bis(2-ethylhexyl) phthalate	100	79.93		ug/L		80	43 - 143
4-Bromophenyl phenyl ether	100	69.76		ug/L		70	45 - 119
Butyl benzyl phthalate	100	77.54		ug/L		78	46 - 135
4-Chloroaniline	100	63.21		ug/L		63	21 - 139
4-Chloro-3-methylphenol	100	69.96		ug/L		70	49 - 130
2-Chloronaphthalene	100	73.34		ug/L		73	37 - 110
2-Chlorophenol	100	68.41		ug/L		68	44 - 117
4-Chlorophenyl phenyl ether	100	66.13		ug/L		66	44 - 116
Chrysene	100	78.14		ug/L		78	51 - 125
Dibenzo(a,h)anthracene	100	78.90		ug/L		79	38 - 149
Dibenzofuran	100	67.21		ug/L		67	45 - 112
2,4-Dichlorophenol	100	70.20		ug/L		70	41 - 124
2,6-Dichlorophenol	100	67.27		ug/L		67	30 - 130

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-454110/2-A
Matrix: Water
Analysis Batch: 454341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454110

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diethyl phthalate	100	71.86		ug/L		72	43 - 135
2,4-Dimethylphenol	100	69.82		ug/L		70	31 - 142
Dimethyl phthalate	100	74.24		ug/L		74	43 - 129
Di-n-butyl phthalate	100	73.90		ug/L		74	50 - 133
1,3-Dinitrobenzene	100	85.61		ug/L		86	45 - 138
4,6-Dinitro-2-methylphenol	200	157.0		ug/L		79	22 - 143
2,4-Dinitrophenol	200	121.2		ug/L		61	10 - 138
2,4-Dinitrotoluene	100	75.80		ug/L		76	47 - 137
2,6-Dinitrotoluene	100	77.70		ug/L		78	51 - 130
Di-n-octyl phthalate	100	66.68		ug/L		67	34 - 150
Fluoranthene	100	78.20		ug/L		78	47 - 128
Fluorene	100	61.57		ug/L		62	45 - 119
Hexachlorobenzene	100	66.16		ug/L		66	48 - 119
Hexachlorobutadiene	100	58.72		ug/L		59	32 - 110
Hexachlorocyclopentadiene	100	66.49		ug/L		66	10 - 110
Hexachloroethane	100	54.86		ug/L		55	31 - 110
Indeno[1,2,3-cd]pyrene	100	76.66		ug/L		77	37 - 150
Isophorone	100	68.79		ug/L		69	50 - 125
2-Methylnaphthalene	100	63.97		ug/L		64	33 - 110
2-Methylphenol	100	67.62		ug/L		68	47 - 118
Methylphenol, 3 & 4	100	66.33		ug/L		66	46 - 117
2-Nitroaniline	100	72.97		ug/L		73	50 - 135
3-Nitroaniline	100	85.67		ug/L		86	42 - 139
4-Nitroaniline	100	70.86		ug/L		71	31 - 145
Nitrobenzene	100	68.79		ug/L		69	47 - 116
2-Nitrophenol	100	74.86		ug/L		75	41 - 129
4-Nitrophenol	200	113.1		ug/L		57	18 - 110
N-Nitrosodimethylamine	100	54.88		ug/L		55	37 - 110
N-Nitrosodi-n-propylamine	100	61.23		ug/L		61	45 - 130
N-Nitrosodiphenylamine	100	77.20		ug/L		77	49 - 121
Pentachlorophenol	200	123.6		ug/L		62	26 - 133
Phenanthrene	100	69.15		ug/L		69	51 - 117
Phenol	100	53.60		ug/L		54	29 - 110
Pyrene	100	80.44		ug/L		80	48 - 127
1,2,4,5-Tetrachlorobenzene	100	61.59		ug/L		62	36 - 110
2,3,4,6-Tetrachlorophenol	100	75.65		ug/L		76	33 - 134
2,4,5-Trichlorophenol	100	72.95		ug/L		73	35 - 133
2,4,6-Trichlorophenol	100	74.43		ug/L		74	28 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*76*		*39 - 118*
2-Fluorophenol (Surr)	*60*		*25 - 110*
Nitrobenzene-d5 (Surr)	*69*		*45 - 129*
Phenol-d5 (Surr)	*44*		*21 - 110*
Terphenyl-d14 (Surr)	*70*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*73*		*27 - 136*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-454110/2-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454110

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	74.93		ug/L		75	43 - 110
Acenaphthylene	100	76.17		ug/L		76	40 - 110
Acetophenone	100	72.80		ug/L		73	48 - 119
2-Acetylaminofluorene	51.2	59.66		ug/L		117	35 - 150
4-Aminobiphenyl	51.2	34.15		ug/L		67	24 - 138
Anthracene	100	78.58		ug/L		79	51 - 120
Benzo[a]anthracene	100	76.78		ug/L		77	51 - 123
Benzo[a]pyrene	100	75.88		ug/L		76	48 - 125
Benzo[b]fluoranthene	100	69.47		ug/L		69	49 - 129
Benzo[g,h,i]perylene	100	78.20		ug/L		78	43 - 139
Benzo[k]fluoranthene	100	79.30		ug/L		79	47 - 130
Benzyl alcohol	100	73.11		ug/L		73	39 - 128
Bis(2-chloroethoxy)methane	100	70.76		ug/L		71	48 - 121
Bis(2-chloroethyl)ether	100	61.92		ug/L		62	43 - 123
bis (2-chloroisopropyl) ether	100	67.27		ug/L		67	34 - 123
Bis(2-ethylhexyl) phthalate	100	67.45		ug/L		67	43 - 143
4-Bromophenyl phenyl ether	100	79.44		ug/L		79	45 - 119
Butyl benzyl phthalate	100	72.16		ug/L		72	46 - 135
4-Chloroaniline	100	72.69		ug/L		73	21 - 139
Chlorobenzilate	51.2	78.93	*+	ug/L		154	52 - 138
4-Chloro-3-methylphenol	100	81.58		ug/L		82	49 - 130
2-Chloronaphthalene	100	68.71		ug/L		69	37 - 110
2-Chlorophenol	100	72.26		ug/L		72	44 - 117
4-Chlorophenyl phenyl ether	100	74.74		ug/L		75	44 - 116
Chrysene	100	83.98		ug/L		84	51 - 125
Diallate	44.8	36.60		ug/L		82	42 - 141
Dibenzo(a,h)anthracene	100	83.41		ug/L		83	38 - 149
Dibenzofuran	100	75.90		ug/L		76	45 - 112
2,4-Dichlorophenol	100	81.46		ug/L		81	41 - 124
2,6-Dichlorophenol	100	80.09		ug/L		80	30 - 130
Diethyl phthalate	100	75.76		ug/L		76	43 - 135
Dimethoate	44.8	46.42		ug/L		104	51 - 150
7,12-Dimethylbenz(a)anthracene	51.2	36.55		ug/L		71	51 - 129
3,3'-Dimethylbenzidine	51.2	29.13		ug/L		57	10 - 150
2,4-Dimethylphenol	100	72.60		ug/L		73	31 - 142
Dimethyl phthalate	100	77.82		ug/L		78	43 - 129
Di-n-butyl phthalate	100	80.53		ug/L		81	50 - 133
1,3-Dinitrobenzene	100	75.40		ug/L		75	45 - 138
4,6-Dinitro-2-methylphenol	200	158.3		ug/L		79	22 - 143
2,4-Dinitrophenol	200	103.7		ug/L		52	10 - 138
2,4-Dinitrotoluene	100	92.12		ug/L		92	47 - 137
2,6-Dinitrotoluene	100	83.85		ug/L		84	51 - 130
Di-n-octyl phthalate	100	57.80		ug/L		58	34 - 150
Dinoseb	51.2	42.60		ug/L		83	25 - 146
Disulfoton	44.8	32.16		ug/L		72	54 - 131
Ethyl methanesulfonate	51.2	33.95		ug/L		66	48 - 120
Ethyl Parathion	44.8	40.68		ug/L		91	52 - 149
Fluoranthene	100	81.81		ug/L		82	47 - 128

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-454110/2-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454110

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluorene	100	75.31		ug/L		75	45 - 119
Hexachlorobenzene	100	80.66		ug/L		81	48 - 119
Hexachlorobutadiene	100	67.02		ug/L		67	32 - 110
Hexachlorocyclopentadiene	100	52.05		ug/L		52	10 - 110
Hexachloroethane	100	52.12		ug/L		52	31 - 110
Hexachloropropene	51.2	13.13		ug/L		26	10 - 110
Indeno[1,2,3-cd]pyrene	100	73.54		ug/L		74	37 - 150
Isodrin	51.2	35.94		ug/L		70	52 - 125
Isophorone	100	73.72		ug/L		74	50 - 125
Methapyrilene	44.8	14.96		ug/L		33	10 - 110
Methyl methanesulfonate	51.2	26.97		ug/L		53	36 - 110
2-Methylnaphthalene	100	72.54		ug/L		73	33 - 110
Methyl parathion	44.8	47.41		ug/L		106	50 - 150
2-Methylphenol	100	69.56		ug/L		70	47 - 118
Methylphenol, 3 & 4	100	71.42		ug/L		71	46 - 117
1,4-Naphthoquinone	51.2	40.20		ug/L		79	37 - 149
1-Naphthylamine	51.2	22.39		ug/L		44	19 - 110
2-Naphthylamine	51.2	35.14		ug/L		69	18 - 127
2-Nitroaniline	100	76.09		ug/L		76	50 - 135
3-Nitroaniline	100	85.07		ug/L		85	42 - 139
4-Nitroaniline	100	73.49		ug/L		73	31 - 145
Nitrobenzene	100	68.33		ug/L		68	47 - 116
5-Nitro-o-toluidine	51.2	46.46		ug/L		91	47 - 145
2-Nitrophenol	100	78.73		ug/L		79	41 - 129
4-Nitrophenol	200	114.9		ug/L		57	18 - 110
N-Nitrosodiethylamine	51.2	38.10		ug/L		74	47 - 138
N-Nitrosodimethylamine	100	54.89		ug/L		55	37 - 110
N-Nitrosodi-n-butylamine	51.2	42.15		ug/L		82	52 - 142
N-Nitrosodi-n-propylamine	100	65.61		ug/L		66	45 - 130
N-Nitrosodiphenylamine	100	83.09		ug/L		83	49 - 121
N-Nitrosomethylethylamine	51.2	33.12		ug/L		65	54 - 123
N-Nitrosopiperidine	51.2	37.12		ug/L		73	60 - 127
N-Nitrosopyrrolidine	51.2	39.41		ug/L		77	56 - 143
o,o',o''-Triethylphosphorothioate	44.8	36.87		ug/L		82	45 - 113
o-Toluidine	51.2	32.78		ug/L		64	24 - 142
p-Dimethylamino azobenzene	51.2	41.16		ug/L		80	42 - 138
Pentachlorobenzene	51.2	40.40		ug/L		79	33 - 110
Pentachloronitrobenzene	51.2	42.93		ug/L		84	65 - 127
Pentachlorophenol	200	151.5		ug/L		76	26 - 133
Phenacetin	51.2	45.97		ug/L		90	56 - 146
Phenanthrene	100	76.62		ug/L		77	51 - 117
Phenol	100	52.55		ug/L		53	29 - 110
1,4-phenylenediamine	51.2	<10.0	*-	ug/L		-1	20 - 120
Phorate	44.8	35.40		ug/L		79	57 - 135
Pronamide	51.2	43.89		ug/L		86	61 - 144
Pyrene	100	74.73		ug/L		75	48 - 127
Safrole	44.8	37.12		ug/L		83	34 - 110
1,2,4,5-Tetrachlorobenzene	100	70.27		ug/L		70	36 - 110
2,3,4,6-Tetrachlorophenol	100	86.30		ug/L		86	33 - 134

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-454110/2-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454110

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Thionazin			44.8	38.79		ug/L		87	52 - 147		
2,4,5-Trichlorophenol			100	80.32		ug/L		80	35 - 133		
2,4,6-Trichlorophenol			100	81.10		ug/L		81	28 - 139		
1,3,5-Trinitrobenzene			51.2	36.09		ug/L		70	39 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*76*		*39 - 118*
2-Fluorophenol (Surr)	*58*		*25 - 110*
Nitrobenzene-d5 (Surr)	*66*		*45 - 129*
Phenol-d5 (Surr)	*49*		*21 - 110*
Terphenyl-d14 (Surr)	*77*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*106*		*27 - 136*

Lab Sample ID: LCS 310-454110/2-A
Matrix: Water
Analysis Batch: 455360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454110

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Famphur			44.8	34.87		ug/L		78	44 - 150		

Lab Sample ID: LCSD 310-454110/3-A
Matrix: Water
Analysis Batch: 454341

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 454110

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			100	76.30		ug/L		76	43 - 110	2	35
Acenaphthylene			100	70.26		ug/L		70	40 - 110	2	35
Acetophenone			100	67.83		ug/L		68	48 - 119	5	35
Anthracene			100	72.58		ug/L		73	51 - 120	4	35
Benzo[a]anthracene			100	80.44		ug/L		80	51 - 123	1	35
Benzo[a]pyrene			100	91.75		ug/L		92	48 - 125	0	35
Benzo[b]fluoranthene			100	88.87		ug/L		89	49 - 129	0	35
Benzo[g,h,i]perylene			100	87.89		ug/L		88	43 - 139	3	35
Benzo[k]fluoranthene			100	87.21		ug/L		87	47 - 130	12	35
Benzyl alcohol			100	72.10		ug/L		72	39 - 128	5	35
Bis(2-chloroethoxy)methane			100	66.10		ug/L		66	48 - 121	0	35
Bis(2-chloroethyl)ether			100	61.36		ug/L		61	43 - 123	5	35
bis (2-chloroisopropyl) ether			100	61.60		ug/L		62	34 - 123	3	35
Bis(2-ethylhexyl) phthalate			100	78.85		ug/L		79	43 - 143	1	35
4-Bromophenyl phenyl ether			100	71.54		ug/L		72	45 - 119	3	35
Butyl benzyl phthalate			100	78.11		ug/L		78	46 - 135	1	35
4-Chloroaniline			100	65.75		ug/L		66	21 - 139	4	35
4-Chloro-3-methylphenol			100	72.06		ug/L		72	49 - 130	3	35
2-Chloronaphthalene			100	71.06		ug/L		71	37 - 110	3	35
2-Chlorophenol			100	70.41		ug/L		70	44 - 117	3	35
4-Chlorophenyl phenyl ether			100	66.75		ug/L		67	44 - 116	1	35
Chrysene			100	83.69		ug/L		84	51 - 125	7	35
Dibenzo(a,h)anthracene			100	88.88		ug/L		89	38 - 149	12	35
Dibenzofuran			100	67.48		ug/L		67	45 - 112	0	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-454110/3-A
Matrix: Water
Analysis Batch: 454341

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 454110

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dichlorophenol			100	72.85		ug/L		73	41 - 124	4	35
2,6-Dichlorophenol			100	67.55		ug/L		68	30 - 130	0	35
Diethyl phthalate			100	74.54		ug/L		75	43 - 135	4	35
2,4-Dimethylphenol			100	71.26		ug/L		71	31 - 142	2	35
Dimethyl phthalate			100	74.08		ug/L		74	43 - 129	0	35
Di-n-butyl phthalate			100	76.92		ug/L		77	50 - 133	4	35
1,3-Dinitrobenzene			100	88.55		ug/L		89	45 - 138	3	35
4,6-Dinitro-2-methylphenol			200	159.0		ug/L		79	22 - 143	1	35
2,4-Dinitrophenol			200	106.3		ug/L		53	10 - 138	13	35
2,4-Dinitrotoluene			100	77.77		ug/L		78	47 - 137	3	35
2,6-Dinitrotoluene			100	78.69		ug/L		79	51 - 130	1	35
Di-n-octyl phthalate			100	70.21		ug/L		70	34 - 150	5	35
Fluoranthene			100	82.27		ug/L		82	47 - 128	5	35
Fluorene			100	61.91		ug/L		62	45 - 119	1	35
Hexachlorobenzene			100	67.57		ug/L		68	48 - 119	2	35
Hexachlorobutadiene			100	61.17		ug/L		61	32 - 110	4	35
Hexachlorocyclopentadiene			100	67.71		ug/L		68	10 - 110	2	35
Hexachloroethane			100	58.39		ug/L		58	31 - 110	6	35
Indeno[1,2,3-cd]pyrene			100	77.22		ug/L		77	37 - 150	1	35
Isophorone			100	68.93		ug/L		69	50 - 125	0	35
2-Methylnaphthalene			100	65.28		ug/L		65	33 - 110	2	35
2-Methylphenol			100	70.53		ug/L		71	47 - 118	4	35
Methylphenol, 3 & 4			100	66.91		ug/L		67	46 - 117	1	35
2-Nitroaniline			100	75.95		ug/L		76	50 - 135	4	35
3-Nitroaniline			100	85.19		ug/L		85	42 - 139	1	35
4-Nitroaniline			100	63.71		ug/L		64	31 - 145	11	35
Nitrobenzene			100	70.12		ug/L		70	47 - 116	2	35
2-Nitrophenol			100	77.57		ug/L		78	41 - 129	4	35
4-Nitrophenol			200	105.9		ug/L		53	18 - 110	7	35
N-Nitrosodimethylamine			100	55.23		ug/L		55	37 - 110	1	35
N-Nitrosodi-n-propylamine			100	65.01		ug/L		65	45 - 130	6	35
N-Nitrosodiphenylamine			100	81.60		ug/L		82	49 - 121	6	35
Pentachlorophenol			200	130.7		ug/L		65	26 - 133	6	35
Phenanthrene			100	71.77		ug/L		72	51 - 117	4	35
Phenol			100	54.86		ug/L		55	29 - 110	2	35
Pyrene			100	80.35		ug/L		80	48 - 127	0	35
1,2,4,5-Tetrachlorobenzene			100	64.16		ug/L		64	36 - 110	4	35
2,3,4,6-Tetrachlorophenol			100	77.84		ug/L		78	33 - 134	3	35
2,4,5-Trichlorophenol			100	70.93		ug/L		71	35 - 133	3	35
2,4,6-Trichlorophenol			100	75.43		ug/L		75	28 - 139	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*71*		*39 - 118*
2-Fluorophenol (Surr)	*61*		*25 - 110*
Nitrobenzene-d5 (Surr)	*66*		*45 - 129*
Phenol-d5 (Surr)	*44*		*21 - 110*
Terphenyl-d14 (Surr)	*64*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*71*		*27 - 136*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-454110/3-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 454110

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			100	75.46		ug/L		75	43 - 110	1	35
Acenaphthylene			100	76.99		ug/L		77	40 - 110	1	35
Acetophenone			100	74.12		ug/L		74	48 - 119	2	35
2-Acetylaminofluorene			51.2	61.59		ug/L		120	35 - 150	3	28
4-Aminobiphenyl			51.2	34.80		ug/L		68	24 - 138	2	35
Anthracene			100	78.31		ug/L		78	51 - 120	0	35
Benzo[a]anthracene			100	78.32		ug/L		78	51 - 123	2	35
Benzo[a]pyrene			100	77.72		ug/L		78	48 - 125	2	35
Benzo[b]fluoranthene			100	69.95		ug/L		70	49 - 129	1	35
Benzo[g,h,i]perylene			100	82.63		ug/L		83	43 - 139	6	35
Benzo[k]fluoranthene			100	82.44		ug/L		82	47 - 130	4	35
Benzyl alcohol			100	72.39		ug/L		72	39 - 128	1	35
Bis(2-chloroethoxy)methane			100	72.33		ug/L		72	48 - 121	2	35
Bis(2-chloroethyl)ether			100	64.60		ug/L		65	43 - 123	4	35
bis (2-chloroisopropyl) ether			100	67.83		ug/L		68	34 - 123	1	35
Bis(2-ethylhexyl) phthalate			100	68.06		ug/L		68	43 - 143	1	35
4-Bromophenyl phenyl ether			100	77.75		ug/L		78	45 - 119	2	35
Butyl benzyl phthalate			100	75.70		ug/L		76	46 - 135	5	35
4-Chloroaniline			100	75.13		ug/L		75	21 - 139	3	35
Chlorobenzilate			51.2	78.39	*+	ug/L		153	52 - 138	1	28
4-Chloro-3-methylphenol			100	85.44		ug/L		85	49 - 130	5	35
2-Chloronaphthalene			100	72.01		ug/L		72	37 - 110	5	35
2-Chlorophenol			100	73.27		ug/L		73	44 - 117	1	35
4-Chlorophenyl phenyl ether			100	77.03		ug/L		77	44 - 116	3	35
Chrysene			100	83.02		ug/L		83	51 - 125	1	35
Diallate			44.8	36.52		ug/L		82	42 - 141	0	35
Dibenzo(a,h)anthracene			100	87.50		ug/L		88	38 - 149	5	35
Dibenzofuran			100	77.55		ug/L		78	45 - 112	2	35
2,4-Dichlorophenol			100	84.74		ug/L		85	41 - 124	4	35
2,6-Dichlorophenol			100	82.47		ug/L		82	30 - 130	3	35
Diethyl phthalate			100	77.35		ug/L		77	43 - 135	2	35
Dimethoate			44.8	44.88		ug/L		100	51 - 150	3	26
7,12-Dimethylbenz(a)anthracene			51.2	36.39		ug/L		71	51 - 129	0	28
3,3'-Dimethylbenzidine			51.2	32.36		ug/L		63	10 - 150	11	35
2,4-Dimethylphenol			100	76.60		ug/L		77	31 - 142	5	35
Dimethyl phthalate			100	80.30		ug/L		80	43 - 129	3	35
Di-n-butyl phthalate			100	80.61		ug/L		81	50 - 133	0	35
1,3-Dinitrobenzene			100	82.59		ug/L		83	45 - 138	9	35
4,6-Dinitro-2-methylphenol			200	163.3		ug/L		82	22 - 143	3	35
2,4-Dinitrophenol			200	92.64		ug/L		46	10 - 138	11	35
2,4-Dinitrotoluene			100	92.99		ug/L		93	47 - 137	1	35
2,6-Dinitrotoluene			100	87.25		ug/L		87	51 - 130	4	35
Di-n-octyl phthalate			100	67.89		ug/L		68	34 - 150	16	35
Dinoseb			51.2	48.27		ug/L		94	25 - 146	12	35
Disulfoton			44.8	31.95		ug/L		71	54 - 131	1	24
Ethyl methanesulfonate			51.2	33.84		ug/L		66	48 - 120	0	27
Ethyl Parathion			44.8	41.42		ug/L		92	52 - 149	2	26
Fluoranthene			100	82.41		ug/L		82	47 - 128	1	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-454110/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454804
Prep Batch: 454110

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluorene	100	78.43		ug/L		78	45 - 119	4	35
Hexachlorobenzene	100	78.76		ug/L		79	48 - 119	2	35
Hexachlorobutadiene	100	71.21		ug/L		71	32 - 110	6	35
Hexachlorocyclopentadiene	100	55.35		ug/L		55	10 - 110	6	35
Hexachloroethane	100	56.18		ug/L		56	31 - 110	8	35
Hexachloropropene	51.2	14.28		ug/L		28	10 - 110	8	35
Indeno[1,2,3-cd]pyrene	100	75.81		ug/L		76	37 - 150	3	35
Isodrin	51.2	35.78		ug/L		70	52 - 125	0	26
Isophorone	100	75.80		ug/L		76	50 - 125	3	35
Methapyrilene	44.8	15.77		ug/L		35	10 - 110	5	35
Methyl methanesulfonate	51.2	26.65		ug/L		52	36 - 110	1	26
2-Methylnaphthalene	100	75.87		ug/L		76	33 - 110	4	35
Methyl parathion	44.8	49.20		ug/L		110	50 - 150	4	25
2-Methylphenol	100	73.00		ug/L		73	47 - 118	5	35
Methylphenol, 3 & 4	100	72.91		ug/L		73	46 - 117	2	35
1,4-Naphthoquinone	51.2	40.29		ug/L		79	37 - 149	0	29
1-Naphthylamine	51.2	22.56		ug/L		44	19 - 110	1	35
2-Naphthylamine	51.2	34.08		ug/L		67	18 - 127	3	35
2-Nitroaniline	100	79.09		ug/L		79	50 - 135	4	35
3-Nitroaniline	100	86.38		ug/L		86	42 - 139	2	35
4-Nitroaniline	100	75.77		ug/L		76	31 - 145	3	35
Nitrobenzene	100	70.91		ug/L		71	47 - 116	4	35
5-Nitro-o-toluidine	51.2	46.14		ug/L		90	47 - 145	1	31
2-Nitrophenol	100	81.91		ug/L		82	41 - 129	4	35
4-Nitrophenol	200	112.3		ug/L		56	18 - 110	2	35
N-Nitrosodiethylamine	51.2	37.60		ug/L		73	47 - 138	1	26
N-Nitrosodimethylamine	100	58.64		ug/L		59	37 - 110	7	35
N-Nitrosodi-n-butylamine	51.2	44.15		ug/L		86	52 - 142	5	27
N-Nitrosodi-n-propylamine	100	69.26		ug/L		69	45 - 130	5	35
N-Nitrosodiphenylamine	100	85.38		ug/L		85	49 - 121	3	35
N-Nitrosomethylethylamine	51.2	34.05		ug/L		67	54 - 123	3	26
N-Nitrosopiperidine	51.2	36.83		ug/L		72	60 - 127	1	26
N-Nitrosopyrrolidine	51.2	40.45		ug/L		79	56 - 143	3	25
o,o',o''-Triethylphosphorothioate	44.8	39.16		ug/L		87	45 - 113	6	33
o-Toluidine	51.2	32.22		ug/L		63	24 - 142	2	35
p-Dimethylamino azobenzene	51.2	41.43		ug/L		81	42 - 138	1	29
Pentachlorobenzene	51.2	39.63		ug/L		77	33 - 110	2	35
Pentachloronitrobenzene	51.2	43.01		ug/L		84	65 - 127	0	29
Pentachlorophenol	200	156.4		ug/L		78	26 - 133	3	35
Phenacetin	51.2	46.76		ug/L		91	56 - 146	2	25
Phenanthrene	100	76.90		ug/L		77	51 - 117	0	35
Phenol	100	53.76		ug/L		54	29 - 110	2	35
1,4-phenylenediamine	51.2	<10.0	*-	ug/L		-0.9	20 - 120	27	35
Phorate	44.8	34.06		ug/L		76	57 - 135	4	26
Pronamide	51.2	43.13		ug/L		84	61 - 144	2	27
Pyrene	100	76.87		ug/L		77	48 - 127	3	35
Safrole	44.8	38.64		ug/L		86	34 - 110	4	35
1,2,4,5-Tetrachlorobenzene	100	72.91		ug/L		73	36 - 110	4	35
2,3,4,6-Tetrachlorophenol	100	86.73		ug/L		87	33 - 134	1	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-454110/3-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 454110

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Thionazin			44.8	37.98		ug/L		85	52 - 147	2	28
2,4,5-Trichlorophenol			100	81.70		ug/L		82	35 - 133	2	35
2,4,6-Trichlorophenol			100	82.90		ug/L		83	28 - 139	2	35
1,3,5-Trinitrobenzene			51.2	38.08		ug/L		74	39 - 144	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*74*		*39 - 118*
2-Fluorophenol (Surr)	*56*		*25 - 110*
Nitrobenzene-d5 (Surr)	*65*		*45 - 129*
Phenol-d5 (Surr)	*48*		*21 - 110*
Terphenyl-d14 (Surr)	*75*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*100*		*27 - 136*

Lab Sample ID: LCSD 310-454110/3-A
Matrix: Water
Analysis Batch: 455360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 454110

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Famphur			44.8	34.83		ug/L		78	44 - 150	0	35

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Lab Sample ID: MB 310-454235/4
Matrix: Water
Analysis Batch: 454235

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/09/25 09:22	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/09/25 09:22	1

Lab Sample ID: LCS 310-454235/5
Matrix: Water
Analysis Batch: 454235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetonitrile			53.1	57.33		mg/L		108	67 - 131
Isobutanol			48.4	53.46		mg/L		110	80 - 120

Lab Sample ID: LCSD 310-454235/6
Matrix: Water
Analysis Batch: 454235

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetonitrile			53.1	57.11		mg/L		108	67 - 131	0	20
Isobutanol			48.4	52.70		mg/L		109	80 - 120	1	20

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 310-454139/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454104
Prep Batch: 454139

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0978		0.0978	0.0244	ug/L		05/08/25 12:17	05/08/25 14:55	1
4,4'-DDE	<0.0978		0.0978	0.0293	ug/L		05/08/25 12:17	05/08/25 14:55	1
4,4'-DDT	<0.0978		0.0978	0.0196	ug/L		05/08/25 12:17	05/08/25 14:55	1
Aldrin	<0.0978		0.0978	0.0215	ug/L		05/08/25 12:17	05/08/25 14:55	1
alpha-BHC	<0.0978		0.0978	0.00978	ug/L		05/08/25 12:17	05/08/25 14:55	1
beta-BHC	<0.0978		0.0978	0.0411	ug/L		05/08/25 12:17	05/08/25 14:55	1
Chlordane (technical)	<1.96		1.96	0.381	ug/L		05/08/25 12:17	05/08/25 14:55	1
delta-BHC	<0.0978		0.0978	0.0313	ug/L		05/08/25 12:17	05/08/25 14:55	1
Dieldrin	<0.0978		0.0978	0.0205	ug/L		05/08/25 12:17	05/08/25 14:55	1
Endosulfan I	<0.0978		0.0978	0.0274	ug/L		05/08/25 12:17	05/08/25 14:55	1
Endosulfan II	<0.0978		0.0978	0.0254	ug/L		05/08/25 12:17	05/08/25 14:55	1
Endosulfan sulfate	<0.0978		0.0978	0.0176	ug/L		05/08/25 12:17	05/08/25 14:55	1
Endrin	<0.0978		0.0978	0.0274	ug/L		05/08/25 12:17	05/08/25 14:55	1
Endrin aldehyde	<0.0978		0.0978	0.0264	ug/L		05/08/25 12:17	05/08/25 14:55	1
gamma-BHC (Lindane)	<0.0978		0.0978	0.00978	ug/L		05/08/25 12:17	05/08/25 14:55	1
Heptachlor	<0.0978		0.0978	0.0225	ug/L		05/08/25 12:17	05/08/25 14:55	1
Heptachlor epoxide	<0.0978		0.0978	0.0313	ug/L		05/08/25 12:17	05/08/25 14:55	1
Methoxychlor	<0.0978		0.0978	0.0313	ug/L		05/08/25 12:17	05/08/25 14:55	1
Toxaphene	<1.96		1.96	0.978	ug/L		05/08/25 12:17	05/08/25 14:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*10 - 150*	*05/08/25 12:17*	*05/08/25 14:55*	*1*
Tetrachloro-m-xylene	*80*		*17 - 150*	*05/08/25 12:17*	*05/08/25 14:55*	*1*

Lab Sample ID: LCS 310-454139/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454104
Prep Batch: 454139

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.78	2.665		ug/L		96	28 - 150
4,4'-DDE	2.78	2.309		ug/L		83	10 - 150
4,4'-DDT	2.78	1.969		ug/L		71	10 - 150
Aldrin	2.78	2.029		ug/L		73	10 - 146
alpha-BHC	2.78	3.011		ug/L		108	57 - 149
beta-BHC	2.78	2.757		ug/L		99	53 - 145
delta-BHC	2.78	2.834		ug/L		102	49 - 148
Dieldrin	2.78	2.749		ug/L		99	43 - 150
Endosulfan I	2.78	1.799		ug/L		65	26 - 133
Endosulfan II	2.78	2.086		ug/L		75	38 - 139
Endosulfan sulfate	2.78	2.858		ug/L		103	54 - 150
Endrin	2.78	2.450		ug/L		88	41 - 150
Endrin aldehyde	2.78	2.599		ug/L		94	42 - 147
gamma-BHC (Lindane)	2.78	2.974		ug/L		107	57 - 150
Heptachlor	2.78	2.140		ug/L		77	16 - 135
Heptachlor epoxide	2.78	2.994		ug/L		108	49 - 150
Methoxychlor	2.78	3.129		ug/L		113	16 - 150

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 310-454139/2-A
Matrix: Water
Analysis Batch: 454104

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454139

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	70		10 - 150
Tetrachloro-m-xylene	79		17 - 150

Lab Sample ID: 310-305780-1 MS
Matrix: Water
Analysis Batch: 454104

Client Sample ID: MW1B
Prep Type: Total/NA
Prep Batch: 454139

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	<0.0904		2.60	2.229		ug/L		86	15 - 150
4,4'-DDE	<0.0904		2.60	2.097		ug/L		81	10 - 150
4,4'-DDT	<0.0904		2.60	1.702		ug/L		66	10 - 150
Aldrin	<0.0904		2.60	1.816		ug/L		70	10 - 150
alpha-BHC	<0.0904		2.60	2.399		ug/L		92	33 - 150
beta-BHC	<0.0904		2.60	2.286		ug/L		88	32 - 150
delta-BHC	<0.0904		2.60	2.300		ug/L		89	30 - 150
Dieldrin	<0.0904		2.60	2.308		ug/L		89	24 - 150
Endosulfan I	<0.0904		2.60	1.453		ug/L		56	10 - 150
Endosulfan II	<0.0904		2.60	1.672		ug/L		64	14 - 150
Endosulfan sulfate	<0.0904		2.60	2.378		ug/L		92	39 - 150
Endrin	<0.0904		2.60	2.237		ug/L		86	18 - 150
Endrin aldehyde	<0.0904		2.60	2.152		ug/L		83	26 - 150
gamma-BHC (Lindane)	<0.0904		2.60	2.413		ug/L		93	35 - 150
Heptachlor	<0.0904		2.60	1.842		ug/L		71	10 - 150
Heptachlor epoxide	<0.0904		2.60	2.417		ug/L		93	26 - 150
Methoxychlor	<0.0904		2.60	2.561		ug/L		99	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	66		10 - 150
Tetrachloro-m-xylene	80		17 - 150

Lab Sample ID: 310-305780-1 MSD
Matrix: Water
Analysis Batch: 454104

Client Sample ID: MW1B
Prep Type: Total/NA
Prep Batch: 454139

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	<0.0904		2.59	1.986		ug/L		77	15 - 150	18	35
4,4'-DDE	<0.0904		2.59	1.777		ug/L		69	10 - 150	27	35
4,4'-DDT	<0.0904		2.59	1.551		ug/L		60	10 - 150	19	35
Aldrin	<0.0904		2.59	1.501		ug/L		58	10 - 150	20	35
alpha-BHC	<0.0904		2.59	2.093		ug/L		81	33 - 150	14	35
beta-BHC	<0.0904		2.59	1.998		ug/L		77	32 - 150	14	35
delta-BHC	<0.0904		2.59	1.995		ug/L		77	30 - 150	14	35
Dieldrin	<0.0904		2.59	2.008		ug/L		78	24 - 150	18	35
Endosulfan I	<0.0904		2.59	1.238		ug/L		48	10 - 150	21	35
Endosulfan II	<0.0904		2.59	1.482		ug/L		57	14 - 150	16	35
Endosulfan sulfate	<0.0904		2.59	2.089		ug/L		81	39 - 150	18	35
Endrin	<0.0904		2.59	2.058		ug/L		79	18 - 150	15	35
Endrin aldehyde	<0.0904		2.59	1.693		ug/L		65	26 - 150	30	35

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 310-305780-1 MSD — **Client Sample ID: MW1B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 454104 — **Prep Batch: 454139**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
gamma-BHC (Lindane)	<0.0904		2.59	2.114		ug/L		82	35 - 150	13	35
Heptachlor	<0.0904		2.59	1.601		ug/L		62	10 - 150	15	35
Heptachlor epoxide	<0.0904		2.59	2.095		ug/L		81	26 - 150	17	35
Methoxychlor	<0.0904		2.59	3.021		ug/L		117	10 - 150	16	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*65*		*10 - 150*
Tetrachloro-m-xylene	*68*		*17 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 310-454139/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 454102 — **Prep Batch: 454139**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.96		1.96	0.802	ug/L		05/08/25 12:17	05/08/25 14:55	1
PCB-1221	<1.96		1.96	0.802	ug/L		05/08/25 12:17	05/08/25 14:55	1
PCB-1232	<1.96		1.96	0.802	ug/L		05/08/25 12:17	05/08/25 14:55	1
PCB-1242	<1.96		1.96	0.802	ug/L		05/08/25 12:17	05/08/25 14:55	1
PCB-1248	<1.96		1.96	0.675	ug/L		05/08/25 12:17	05/08/25 14:55	1
PCB-1254	<1.96		1.96	0.675	ug/L		05/08/25 12:17	05/08/25 14:55	1
PCB-1260	<1.96		1.96	0.675	ug/L		05/08/25 12:17	05/08/25 14:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*65*		*10 - 150*	*05/08/25 12:17*	*05/08/25 14:55*	*1*
Tetrachloro-m-xylene	*80*		*17 - 150*	*05/08/25 12:17*	*05/08/25 14:55*	*1*

Lab Sample ID: LCS 310-454139/6-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 454102 — **Prep Batch: 454139**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	27.9	25.76		ug/L		92	25 - 150
PCB-1260	27.9	27.00		ug/L		97	14 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*10 - 150*
Tetrachloro-m-xylene	*71*		*17 - 150*

Lab Sample ID: 310-305780-1 MS — **Client Sample ID: MW1B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 454102 — **Prep Batch: 454139**

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*66*		*10 - 150*
Tetrachloro-m-xylene	*80*		*17 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 310-305780-1 MSD
Matrix: Water
Analysis Batch: 454102

Client Sample ID: MW1B
Prep Type: Total/NA
Prep Batch: 454139

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	65		10 - 150
Tetrachloro-m-xylene	68		17 - 150

Lab Sample ID: 310-305780-2 MS
Matrix: Water
Analysis Batch: 454102

Client Sample ID: MW-201A
Prep Type: Total/NA
Prep Batch: 454139

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	<1.81		25.8	24.55		ug/L		95	25 - 150
PCB-1260	<1.81		25.8	26.53		ug/L		103	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	93		10 - 150
Tetrachloro-m-xylene	73		17 - 150

Lab Sample ID: 310-305780-2 MSD
Matrix: Water
Analysis Batch: 454102

Client Sample ID: MW-201A
Prep Type: Total/NA
Prep Batch: 454139

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<1.81		26.0	20.97		ug/L		81	25 - 150	16	35
PCB-1260	<1.81		26.0	22.81		ug/L		88	10 - 150	15	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	79		10 - 150
Tetrachloro-m-xylene	58		17 - 150

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-643253/1-A
Matrix: Water
Analysis Batch: 643691

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 643253

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.600		0.600	0.250	ug/L		05/13/25 09:25	05/14/25 06:54	1
Silvex (2,4,5-TP)	<0.0500		0.0500	0.0220	ug/L		05/13/25 09:25	05/14/25 06:54	1
2,4,5-T	<0.150		0.150	0.0650	ug/L		05/13/25 09:25	05/14/25 06:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	95		34 - 142	05/13/25 09:25	05/14/25 06:54	1
DCAA	91		34 - 142	05/13/25 09:25	05/14/25 06:54	1

Lab Sample ID: LCS 410-643253/2-A
Matrix: Water
Analysis Batch: 643691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643253

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-D	2.00	2.052		ug/L		103	53 - 159

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 410-643253/2-A
Matrix: Water
Analysis Batch: 643691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643253

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,5-T			0.400	0.4360		ug/L		109	57 - 171		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA	*105*		*34 - 142*
DCAA	*102*		*34 - 142*

Method: 8151A - Herbicides (GC) - DL

Lab Sample ID: LCS 410-643253/2-A
Matrix: Water
Analysis Batch: 643691

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643253

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silvex (2,4,5-TP) - DL			4.01	3.624		ug/L		90	62 - 170		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA - DL	*109*		*34 - 142*
DCAA - DL	*111*		*34 - 142*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-454302/1-A
Matrix: Water
Analysis Batch: 454752

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/12/25 08:00	05/14/25 16:36	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/12/25 08:00	05/14/25 16:36	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/12/25 08:00	05/14/25 16:36	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/12/25 08:00	05/14/25 16:36	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/12/25 08:00	05/14/25 16:36	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/12/25 08:00	05/14/25 16:36	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/12/25 08:00	05/14/25 16:36	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/12/25 08:00	05/14/25 16:36	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/12/25 08:00	05/14/25 16:36	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/12/25 08:00	05/14/25 16:36	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/12/25 08:00	05/14/25 16:36	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/12/25 08:00	05/14/25 16:36	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/12/25 08:00	05/14/25 16:36	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/12/25 08:00	05/14/25 16:36	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/12/25 08:00	05/14/25 16:36	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/12/25 08:00	05/14/25 16:36	1

Lab Sample ID: LCS 310-454302/2-A
Matrix: Water
Analysis Batch: 454752

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454302

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony			0.200	0.2230		mg/L		111	80 - 120		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 310-454302/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454752
Prep Batch: 454302

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.200	0.2014		mg/L		101	80 - 120
Barium	0.100	0.09962		mg/L		100	80 - 120
Beryllium	0.100	0.09123		mg/L		91	80 - 120
Cadmium	0.100	0.09749		mg/L		97	80 - 120
Chromium	0.100	0.09644		mg/L		96	80 - 120
Cobalt	0.100	0.1054		mg/L		105	80 - 120
Copper	0.200	0.2028		mg/L		101	80 - 120
Lead	0.200	0.2018		mg/L		101	80 - 120
Nickel	0.200	0.1963		mg/L		98	80 - 120
Selenium	0.400	0.3736		mg/L		93	80 - 120
Silver	0.100	0.1176		mg/L		118	80 - 120
Thallium	0.100	0.09590		mg/L		96	80 - 120
Vanadium	0.100	0.09712		mg/L		97	80 - 120
Zinc	0.200	0.1857		mg/L		93	80 - 120
Tin	0.200	0.2098		mg/L		105	80 - 120

Lab Sample ID: 310-305780-1 DU
Client Sample ID: MW1B
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454752
Prep Batch: 454302

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00200		<0.00200		mg/L		NC	20
Arsenic	0.00148	J	0.001479	J	mg/L		0.07	20
Barium	0.553		0.5564		mg/L		0.6	20
Beryllium	<0.00100		<0.00100		mg/L		NC	20
Cadmium	<0.000200		<0.000200		mg/L		NC	20
Chromium	<0.00500		<0.00500		mg/L		NC	20
Cobalt	0.000353	J	0.0003660	J	mg/L		4	20
Copper	0.00357	J	<0.00500		mg/L		NC	20
Lead	<0.000500		<0.000500		mg/L		NC	20
Nickel	<0.00500		<0.00500		mg/L		NC	20
Selenium	<0.00500		<0.00500		mg/L		NC	20
Silver	<0.00100		<0.00100		mg/L		NC	20
Thallium	<0.00100		<0.00100		mg/L		NC	20
Vanadium	<0.00500		<0.00500		mg/L		NC	20
Zinc	<0.0200		<0.0200		mg/L		NC	20
Tin	<0.00500		<0.00500		mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-454445/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454718
Prep Batch: 454445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/14/25 08:46	05/14/25 13:16	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 310-454445/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454718
Prep Batch: 454445

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00167	0.001675		mg/L		100	80 - 120		

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 310-454404/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454730
Prep Batch: 454404

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0100		0.0100	0.00350	mg/L		05/12/25 09:57	05/14/25 21:22	1

Lab Sample ID: LCS 310-454404/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454730
Prep Batch: 454404

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.200	0.1868		mg/L		93	90 - 110		

Lab Sample ID: 310-305780-1 MS
Client Sample ID: MW1B
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454730
Prep Batch: 454404

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	<0.0100		0.200	0.1610		mg/L		80	60 - 130		

Lab Sample ID: 310-305780-1 MSD
Client Sample ID: MW1B
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454730
Prep Batch: 454404

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0100		0.200	0.1767		mg/L		88	60 - 130	9	35

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-817202/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 817202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.00		1.00	0.231	mg/L			05/12/25 01:35	1

Lab Sample ID: LCS 500-817202/2
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 817202

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			3.97	3.538		mg/L		89	80 - 120		

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-454168/1
Matrix: Water
Analysis Batch: 454168

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			05/08/25 14:34	1

Lab Sample ID: LCS 310-454168/2
Matrix: Water
Analysis Batch: 454168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	100.0		mg/L		100	81 - 116

GC/MS VOA

Analysis Batch: 454123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	8260D	
310-305780-2	MW-201A	Total/NA	Water	8260D	
310-305780-3	MW-203A	Total/NA	Water	8260D	
310-305780-4	MW-7B1	Total/NA	Water	8260D	
310-305780-5	MW-5B	Total/NA	Water	8260D	
MB 310-454123/6	Method Blank	Total/NA	Water	8260D	
LCS 310-454123/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-454123/8	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 454110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	3510C	
310-305780-2	MW-201A	Total/NA	Water	3510C	
310-305780-3	MW-203A	Total/NA	Water	3510C	
310-305780-4	MW-7B1	Total/NA	Water	3510C	
310-305780-5	MW-5B	Total/NA	Water	3510C	
MB 310-454110/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-454110/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-454110/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 454341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	8270E	454110
310-305780-2	MW-201A	Total/NA	Water	8270E	454110
310-305780-3	MW-203A	Total/NA	Water	8270E	454110
310-305780-4	MW-7B1	Total/NA	Water	8270E	454110
310-305780-5	MW-5B	Total/NA	Water	8270E	454110
MB 310-454110/1-A	Method Blank	Total/NA	Water	8270E	454110
LCS 310-454110/2-A	Lab Control Sample	Total/NA	Water	8270E	454110
LCSD 310-454110/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	454110

Analysis Batch: 454804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	8270E	454110
310-305780-2	MW-201A	Total/NA	Water	8270E	454110
310-305780-3	MW-203A	Total/NA	Water	8270E	454110
310-305780-4	MW-7B1	Total/NA	Water	8270E	454110
310-305780-5	MW-5B	Total/NA	Water	8270E	454110
MB 310-454110/1-A	Method Blank	Total/NA	Water	8270E	454110
LCS 310-454110/2-A	Lab Control Sample	Total/NA	Water	8270E	454110
LCSD 310-454110/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	454110

Analysis Batch: 455360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	8270E	454110
310-305780-2	MW-201A	Total/NA	Water	8270E	454110
310-305780-3	MW-203A	Total/NA	Water	8270E	454110
310-305780-4	MW-7B1	Total/NA	Water	8270E	454110
310-305780-5	MW-5B	Total/NA	Water	8270E	454110

GC/MS Semi VOA (Continued)

Analysis Batch: 455360 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-454110/1-A	Method Blank	Total/NA	Water	8270E	454110
LCS 310-454110/2-A	Lab Control Sample	Total/NA	Water	8270E	454110
LCSD 310-454110/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	454110

GC Semi VOA

Analysis Batch: 454102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	8082A	454139
310-305780-2	MW-201A	Total/NA	Water	8082A	454139
310-305780-3	MW-203A	Total/NA	Water	8082A	454139
MB 310-454139/1-A	Method Blank	Total/NA	Water	8082A	454139
LCS 310-454139/6-A	Lab Control Sample	Total/NA	Water	8082A	454139
310-305780-1 MS	MW1B	Total/NA	Water	8082A	454139
310-305780-1 MSD	MW1B	Total/NA	Water	8082A	454139
310-305780-2 MS	MW-201A	Total/NA	Water	8082A	454139
310-305780-2 MSD	MW-201A	Total/NA	Water	8082A	454139

Analysis Batch: 454104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	8081B	454139
310-305780-2	MW-201A	Total/NA	Water	8081B	454139
310-305780-3	MW-203A	Total/NA	Water	8081B	454139
MB 310-454139/1-A	Method Blank	Total/NA	Water	8081B	454139
LCS 310-454139/2-A	Lab Control Sample	Total/NA	Water	8081B	454139
310-305780-1 MS	MW1B	Total/NA	Water	8081B	454139
310-305780-1 MSD	MW1B	Total/NA	Water	8081B	454139

Prep Batch: 454139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	3511	
310-305780-2	MW-201A	Total/NA	Water	3511	
310-305780-3	MW-203A	Total/NA	Water	3511	
310-305780-4	MW-7B1	Total/NA	Water	3511	
310-305780-5	MW-5B	Total/NA	Water	3511	
MB 310-454139/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-454139/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-454139/6-A	Lab Control Sample	Total/NA	Water	3511	
310-305780-1 MS	MW1B	Total/NA	Water	3511	
310-305780-1 MSD	MW1B	Total/NA	Water	3511	
310-305780-2 MS	MW-201A	Total/NA	Water	3511	
310-305780-2 MSD	MW-201A	Total/NA	Water	3511	

Analysis Batch: 454235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	8015C	
310-305780-2	MW-201A	Total/NA	Water	8015C	
310-305780-3	MW-203A	Total/NA	Water	8015C	
310-305780-4	MW-7B1	Total/NA	Water	8015C	
310-305780-5	MW-5B	Total/NA	Water	8015C	
MB 310-454235/4	Method Blank	Total/NA	Water	8015C	

GC Semi VOA (Continued)

Analysis Batch: 454235 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-454235/5	Lab Control Sample	Total/NA	Water	8015C	
LCSD 310-454235/6	Lab Control Sample Dup	Total/NA	Water	8015C	

Analysis Batch: 455305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-4	MW-7B1	Total/NA	Water	8082A	454139
310-305780-5	MW-5B	Total/NA	Water	8082A	454139

Analysis Batch: 455307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-4	MW-7B1	Total/NA	Water	8081B	454139
310-305780-5	MW-5B	Total/NA	Water	8081B	454139

Prep Batch: 643253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	8151A	
310-305780-2	MW-201A	Total/NA	Water	8151A	
310-305780-3	MW-203A	Total/NA	Water	8151A	
310-305780-4	MW-7B1	Total/NA	Water	8151A	
310-305780-5	MW-5B	Total/NA	Water	8151A	
MB 410-643253/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-643253/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCS 410-643253/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	

Analysis Batch: 643691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	8151A	643253
310-305780-2	MW-201A	Total/NA	Water	8151A	643253
310-305780-3	MW-203A	Total/NA	Water	8151A	643253
310-305780-4	MW-7B1	Total/NA	Water	8151A	643253
310-305780-5	MW-5B	Total/NA	Water	8151A	643253
MB 410-643253/1-A	Method Blank	Total/NA	Water	8151A	643253
LCS 410-643253/2-A	Lab Control Sample	Total/NA	Water	8151A	643253
LCS 410-643253/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	643253

Metals

Prep Batch: 454302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	3005A	
310-305780-2	MW-201A	Total/NA	Water	3005A	
310-305780-3	MW-203A	Total/NA	Water	3005A	
310-305780-4	MW-7B1	Total/NA	Water	3005A	
310-305780-5	MW-5B	Total/NA	Water	3005A	
MB 310-454302/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-454302/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-305780-1 DU	MW1B	Total/NA	Water	3005A	

Prep Batch: 454445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 454445 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-2	MW-201A	Total/NA	Water	7470A	
310-305780-3	MW-203A	Total/NA	Water	7470A	
310-305780-4	MW-7B1	Total/NA	Water	7470A	
310-305780-5	MW-5B	Total/NA	Water	7470A	
MB 310-454445/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-454445/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 454718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	7470A	454445
310-305780-2	MW-201A	Total/NA	Water	7470A	454445
310-305780-3	MW-203A	Total/NA	Water	7470A	454445
310-305780-4	MW-7B1	Total/NA	Water	7470A	454445
310-305780-5	MW-5B	Total/NA	Water	7470A	454445
MB 310-454445/1-A	Method Blank	Total/NA	Water	7470A	454445
LCS 310-454445/2-A	Lab Control Sample	Total/NA	Water	7470A	454445

Analysis Batch: 454752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	6020B	454302
310-305780-2	MW-201A	Total/NA	Water	6020B	454302
310-305780-3	MW-203A	Total/NA	Water	6020B	454302
310-305780-4	MW-7B1	Total/NA	Water	6020B	454302
310-305780-5	MW-5B	Total/NA	Water	6020B	454302
MB 310-454302/1-A	Method Blank	Total/NA	Water	6020B	454302
LCS 310-454302/2-A	Lab Control Sample	Total/NA	Water	6020B	454302
310-305780-1 DU	MW1B	Total/NA	Water	6020B	454302

General Chemistry

Analysis Batch: 454168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	I-3765-85	
310-305780-2	MW-201A	Total/NA	Water	I-3765-85	
310-305780-3	MW-203A	Total/NA	Water	I-3765-85	
310-305780-4	MW-7B1	Total/NA	Water	I-3765-85	
310-305780-5	MW-5B	Total/NA	Water	I-3765-85	
MB 310-454168/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-454168/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Prep Batch: 454404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	9012B	
310-305780-2	MW-201A	Total/NA	Water	9012B	
310-305780-3	MW-203A	Total/NA	Water	9012B	
310-305780-4	MW-7B1	Total/NA	Water	9012B	
310-305780-5	MW-5B	Total/NA	Water	9012B	
MB 310-454404/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-454404/2-A	Lab Control Sample	Total/NA	Water	9012B	
310-305780-1 MS	MW1B	Total/NA	Water	9012B	
310-305780-1 MSD	MW1B	Total/NA	Water	9012B	

QC Association Summary

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

General Chemistry

Analysis Batch: 454730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	9012B	454404
310-305780-2	MW-201A	Total/NA	Water	9012B	454404
310-305780-3	MW-203A	Total/NA	Water	9012B	454404
310-305780-4	MW-7B1	Total/NA	Water	9012B	454404
310-305780-5	MW-5B	Total/NA	Water	9012B	454404
MB 310-454404/1-A	Method Blank	Total/NA	Water	9012B	454404
LCS 310-454404/2-A	Lab Control Sample	Total/NA	Water	9012B	454404
310-305780-1 MS	MW1B	Total/NA	Water	9012B	454404
310-305780-1 MSD	MW1B	Total/NA	Water	9012B	454404

Analysis Batch: 817202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-305780-1	MW1B	Total/NA	Water	9034	
310-305780-2	MW-201A	Total/NA	Water	9034	
310-305780-3	MW-203A	Total/NA	Water	9034	
310-305780-4	MW-7B1	Total/NA	Water	9034	
310-305780-5	MW-5B	Total/NA	Water	9034	
MB 500-817202/1	Method Blank	Total/NA	Water	9034	
LCS 500-817202/2	Lab Control Sample	Total/NA	Water	9034	

Client Sample ID: MW1B
Lab Sample ID: 310-305780-1

Date Collected: 05/06/25 09:05
Matrix: Water
Date Received: 05/07/25 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454123	WSE8	EET CF	05/09/25 16:17
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	454804	V7YZ	EET CF	05/15/25 14:44
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	455360	V7YZ	EET CF	05/21/25 17:03
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	454341	V7YZ	EET CF	05/10/25 10:27
Total/NA	Analysis	8015C		1	454235	BW2O	EET CF	05/09/25 14:22
Total/NA	Prep	3511			454139	BW2O	EET CF	05/08/25 12:17
Total/NA	Analysis	8081B		1	454104	BW2O	EET CF	05/08/25 15:47
Total/NA	Prep	3511			454139	BW2O	EET CF	05/08/25 12:17
Total/NA	Analysis	8082A		1	454102	BW2O	EET CF	05/08/25 15:47
Total/NA	Prep	8151A			643253	K2IL	ELLE	05/13/25 09:25
Total/NA	Analysis	8151A		1	643691	UAMZ	ELLE	05/14/25 08:41
Total/NA	Prep	3005A			454302	QTZ5	EET CF	05/12/25 08:00
Total/NA	Analysis	6020B		1	454752	NFT2	EET CF	05/14/25 17:17
Total/NA	Prep	7470A			454445	F5MW	EET CF	05/14/25 08:46
Total/NA	Analysis	7470A		1	454718	F5MW	EET CF	05/14/25 14:05
Total/NA	Prep	9012B			454404	ENB7	EET CF	05/12/25 09:57
Total/NA	Analysis	9012B		1	454730	ZJX4	EET CF	05/14/25 21:23
Total/NA	Analysis	9034		1	817202	CLB	EET CHI	05/12/25 01:42 - 05/12/25 01:46 [1]
Total/NA	Analysis	I-3765-85		1	454168	HE7K	EET CF	05/08/25 14:34

Client Sample ID: MW-201A
Lab Sample ID: 310-305780-2

Date Collected: 05/06/25 09:49
Matrix: Water
Date Received: 05/07/25 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454123	WSE8	EET CF	05/09/25 16:40
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	454804	V7YZ	EET CF	05/15/25 15:11
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	455360	V7YZ	EET CF	05/21/25 17:22
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	454341	V7YZ	EET CF	05/10/25 10:57
Total/NA	Analysis	8015C		1	454235	BW2O	EET CF	05/09/25 14:42
Total/NA	Prep	3511			454139	BW2O	EET CF	05/08/25 12:17
Total/NA	Analysis	8081B		1	454104	BW2O	EET CF	05/08/25 16:39
Total/NA	Prep	3511			454139	BW2O	EET CF	05/08/25 12:17
Total/NA	Analysis	8082A		1	454102	BW2O	EET CF	05/08/25 16:39
Total/NA	Prep	8151A			643253	K2IL	ELLE	05/13/25 09:25
Total/NA	Analysis	8151A		1	643691	UAMZ	ELLE	05/14/25 09:17
Total/NA	Prep	3005A			454302	QTZ5	EET CF	05/12/25 08:00
Total/NA	Analysis	6020B		1	454752	NFT2	EET CF	05/14/25 17:27

Lab Chronicle

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-201A
Lab Sample ID: 310-305780-2

Date Collected: 05/06/25 09:49
Matrix: Water
Date Received: 05/07/25 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			454445	F5MW	EET CF	05/14/25 08:46
Total/NA	Analysis	7470A		1	454718	F5MW	EET CF	05/14/25 14:07
Total/NA	Prep	9012B			454404	ENB7	EET CF	05/12/25 09:57
Total/NA	Analysis	9012B		1	454730	ZJX4	EET CF	05/14/25 21:31
Total/NA	Analysis	9034		1	817202	CLB	EET CHI	05/12/25 01:46 - 05/12/25 01:50 [1]
Total/NA	Analysis	I-3765-85		1	454168	HE7K	EET CF	05/08/25 14:34

Client Sample ID: MW-203A
Lab Sample ID: 310-305780-3

Date Collected: 05/06/25 10:42
Matrix: Water
Date Received: 05/07/25 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454123	WSE8	EET CF	05/09/25 17:03
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	454804	V7YZ	EET CF	05/15/25 15:37
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	455360	V7YZ	EET CF	05/21/25 17:41
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	454341	V7YZ	EET CF	05/10/25 11:27
Total/NA	Analysis	8015C		1	454235	BW2O	EET CF	05/09/25 15:01
Total/NA	Prep	3511			454139	BW2O	EET CF	05/08/25 12:17
Total/NA	Analysis	8081B		1	454104	BW2O	EET CF	05/08/25 16:52
Total/NA	Prep	3511			454139	BW2O	EET CF	05/08/25 12:17
Total/NA	Analysis	8082A		1	454102	BW2O	EET CF	05/08/25 16:52
Total/NA	Prep	8151A			643253	K2IL	ELLE	05/13/25 09:25
Total/NA	Analysis	8151A		1	643691	UAMZ	ELLE	05/14/25 09:53
Total/NA	Prep	3005A			454302	QTZ5	EET CF	05/12/25 08:00
Total/NA	Analysis	6020B		1	454752	NFT2	EET CF	05/14/25 17:29
Total/NA	Prep	7470A			454445	F5MW	EET CF	05/14/25 08:46
Total/NA	Analysis	7470A		1	454718	F5MW	EET CF	05/14/25 14:09
Total/NA	Prep	9012B			454404	ENB7	EET CF	05/12/25 09:57
Total/NA	Analysis	9012B		1	454730	ZJX4	EET CF	05/14/25 21:31
Total/NA	Analysis	9034		1	817202	CLB	EET CHI	05/12/25 01:50 - 05/12/25 01:54 [1]
Total/NA	Analysis	I-3765-85		1	454168	HE7K	EET CF	05/08/25 14:34

Client Sample ID: MW-7B1
Lab Sample ID: 310-305780-4

Date Collected: 05/06/25 12:45
Matrix: Water
Date Received: 05/07/25 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454123	WSE8	EET CF	05/09/25 17:25
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	454804	V7YZ	EET CF	05/15/25 16:03

Client Sample ID: MW-7B1

Lab Sample ID: 310-305780-4

Date Collected: 05/06/25 12:45

Matrix: Water

Date Received: 05/07/25 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	455360	V7YZ	EET CF	05/21/25 18:01
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	454341	V7YZ	EET CF	05/10/25 11:57
Total/NA	Analysis	8015C		1	454235	BW2O	EET CF	05/09/25 15:21
Total/NA	Prep	3511			454139	BW2O	EET CF	05/08/25 12:17
Total/NA	Analysis	8081B		1	455307	BW2O	EET CF	05/21/25 11:26
Total/NA	Prep	3511			454139	BW2O	EET CF	05/08/25 12:17
Total/NA	Analysis	8082A		1	455305	BW2O	EET CF	05/21/25 11:26
Total/NA	Prep	8151A			643253	K2IL	ELLE	05/13/25 09:25
Total/NA	Analysis	8151A		1	643691	UAMZ	ELLE	05/14/25 10:28
Total/NA	Prep	3005A			454302	QTZ5	EET CF	05/12/25 08:00
Total/NA	Analysis	6020B		1	454752	NFT2	EET CF	05/14/25 17:31
Total/NA	Prep	7470A			454445	F5MW	EET CF	05/14/25 08:46
Total/NA	Analysis	7470A		1	454718	F5MW	EET CF	05/14/25 14:11
Total/NA	Prep	9012B			454404	ENB7	EET CF	05/12/25 09:57
Total/NA	Analysis	9012B		1	454730	ZJX4	EET CF	05/14/25 21:26
Total/NA	Analysis	9034		1	817202	CLB	EET CHI	05/12/25 01:54 - 05/12/25 01:58 [1]
Total/NA	Analysis	I-3765-85		1	454168	HE7K	EET CF	05/08/25 14:34

Client Sample ID: MW-5B

Lab Sample ID: 310-305780-5

Date Collected: 05/06/25 13:38

Matrix: Water

Date Received: 05/07/25 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454123	WSE8	EET CF	05/09/25 17:48
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	454804	V7YZ	EET CF	05/15/25 16:30
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	455360	V7YZ	EET CF	05/21/25 18:20
Total/NA	Prep	3510C			454110	J5BR	EET CF	05/08/25 09:38
Total/NA	Analysis	8270E		1	454341	V7YZ	EET CF	05/10/25 12:27
Total/NA	Analysis	8015C		1	454235	BW2O	EET CF	05/09/25 15:41
Total/NA	Prep	3511			454139	BW2O	EET CF	05/08/25 12:17
Total/NA	Analysis	8081B		1	455307	BW2O	EET CF	05/21/25 11:38
Total/NA	Prep	3511			454139	BW2O	EET CF	05/08/25 12:17
Total/NA	Analysis	8082A		1	455305	BW2O	EET CF	05/21/25 11:38
Total/NA	Prep	8151A			643253	K2IL	ELLE	05/13/25 09:25
Total/NA	Analysis	8151A		1	643691	UAMZ	ELLE	05/14/25 11:04
Total/NA	Prep	3005A			454302	QTZ5	EET CF	05/12/25 08:00
Total/NA	Analysis	6020B		1	454752	NFT2	EET CF	05/14/25 17:34
Total/NA	Prep	7470A			454445	F5MW	EET CF	05/14/25 08:46
Total/NA	Analysis	7470A		1	454718	F5MW	EET CF	05/14/25 14:13

Lab Chronicle

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-5B
Lab Sample ID: 310-305780-5

Date Collected: 05/06/25 13:38
Matrix: Water

Date Received: 05/07/25 15:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9012B			454404	ENB7	EET CF	05/12/25 09:57
Total/NA	Analysis	9012B		1	454730	ZJX4	EET CF	05/14/25 21:26
Total/NA	Analysis	9034		1	817202	CLB	EET CHI	05/12/25 01:58 - 05/12/25 02:02 [1]
Total/NA	Analysis	I-3765-85		1	454168	HE7K	EET CF	05/08/25 14:34

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,2,4-Trichlorobenzene
8260D		Water	Allyl chloride
8260D		Water	Ethyl methacrylate

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	05-19-25
A2LA	Dept. of Energy	0001.01	05-19-25
A2LA	ISO/IEC 17025	0001.01	05-19-25
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	05-18-25
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	05-18-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	05-18-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	05-18-25
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	05-15-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	05-19-25
Kentucky (WW)	State	KY90088	05-18-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	05-18-25
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	05-15-25

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	05-20-25
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	05-18-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	05-18-25
Oregon	NELAP	PA200001	05-14-25
Pennsylvania	NELAP	36-00037	05-18-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	05-15-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	05-18-25
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	05-19-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8015C	Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
8151A	Herbicides (GC)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9012B	Cyanide, Total andor Amenable	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	ELLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

eurofins | Environment Testing America

310-305780 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY Omaha STATE NE

Project:

Receipt Information

Date/Time Received: DATE 5/7/25 TIME 1545

Received By: XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 1 of 3

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: 2 Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 0.7 Corrected Temp (°C): 0.7

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C).		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE. If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY Omaha STATE NE

Project:

Receipt Information

Date/Time Received: DATE 5/7/25 TIME 1545

Received By XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 2 of 3
Cooler Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐
Sample Custody Seals Present? No	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: 2

Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 0.8

Corrected Temp (°C): 0.8

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HR

City/State: Omaha (CITY) NE (STATE) | Project

Receipt Information

Date/Time Received: DATE 5/7/25 TIME 1545 | Received By XB

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other.

Condition of Cooler/Containers

Sample(s) received in Cooler?	☒ Yes	☐ No	*If yes:* Cooler ID:
Multiple Coolers?	☒ Yes	☐ No	*If yes:* Cooler # 3 of 3
Cooler Custody Seals Present?	☐ Yes	☒ No	*If yes:* Cooler custody seals intact? ☐ Yes ☐ No
Sample Custody Seals Present?	☐ Yes	☒ No	*If yes:* Sample custody seals intact? ☐ Yes ☐ No
Trip Blank Present?	☐ Yes	☒ No	*If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: ☐ NONE

Thermometer ID: 2 | Correction Factor (°C): 0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.3 | Corrected Temp (°C): 1.3

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C).		
Corrected Temp (°C)		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

Client Information	Sampler: Joel Fuhrmeister	Lab PM: Calhoun Conner M	Carrier Tracking No(s):	COC No: 310-105392-28018.1
Client Contact: Richard Wilson	Phone: 319-936-5194	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin:	Page: Page of
Company: HDR Inc	PWSID:	Analysis Requested		Job #:
Address: 1917 S 67th Street	Due Date Requested:			Preservation Codes: A HCL, N None, D HNO3, B NaOH, CB ZnAcetate/NaOH
City: Omaha	TAT Requested (days):			
State, Zip: NE, 68106	Compliance Project: Δ Yes Δ No			
Phone: 402-392-6714(Tel)	PO #:			
Email: richard.wilson2@hdrinc.com	WO #:			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			Other:
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix 1	Appendix 2	TSS	Metals List- As, Ba, Co, Cu, Pb, Ni	App 1 VOCs Only	Sulfide	Natural Attenuation: Nitrate, sulfate, TOC, Fe, Mn	Dichlorodifluoromethane- 8260D	Bis(2-ethylhexyl) phthalate- 8270E	Arsenic	Cobalt	Benzene only	Tetrachloroethene, trichloroethene, vinyl chloride-8260D	Total Number of containers	Special Instructions/Note
			Preservation Code:																	
MW 1B	5-6-25	9105	G	Water				X	X											Natural Attenuation - NITRATE, Sulfate, TOC, 6020- Fe, Mn
MW-201A	5-6-25	9:49	G	Water				X	X											
MW-203A	5-6-25	1042	G	Water				X	X											
MW-701	5-6-25	1245	G	Water				X	X											
MW-5B	5-6-25	1338	G	Water				X	X											
				Water																
				Water																
				Water																
				Water																
				Water																
				Water																

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological	Return To Client Disposal By Lab Archive For Months
Deliverable Requested I II III IV Other (specify)	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Joel Fuhrmeister	Date/Time: 5-7-25 12'55	Company	Received by:	Date/Time: 5/7/25 1255	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/7/25	Company 1545

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) oC and Other Remarks:

Ver: 05/06/2024

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-82839.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State - Iowa; State Program - Iowa		Job #: 310-305780-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/20/2025			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_AP Appendix II Herbicides	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW1B (310-305780-1)	5/6/25	09:05 Central	G	Water			X	2	
MW-201A (310-305780-2)	5/6/25	09:49 Central	G	Water			X	2	
MW-203A (310-305780-3)	5/6/25	10:42 Central	G	Water			X	2	
MW-7B1 (310-305780-4)	5/6/25	12:45 Central	G	Water			X	2	
MW-5B (310-305780-5)	5/6/25	13:38 Central	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5/8/25 1300				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	5/9/25 1000	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.4.5	C.4.4

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-82858 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et eurofinsus com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State - Iowa, State Program - Iowa		Job #: 310-305780-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 5/20/2025			
City: Tinley Park	TAT Requested (days): N/A			
State Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

310-305780 COC

Analysis Requested

Preservation Codes

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc	Total Number of containers	Special Instructions/Note.
			Preservation Code:						
MW1B (310-305780-1)	5/6/25	09 05 Central	G	Water			X	1	
MW-201A (310-305780-2)	5/6/25	09 49 Central	G	Water			X	1	
MW-203A (310-305780-3)	5/6/25	10 42 Central	G	Water			X	1	
MW-7B1 (310-305780-4)	5/6/25	12 45 Central	G	Water			X	1	
MW-5B (310-305780-5)	5/6/25	13 38 Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	5/8/25 1440		[signature]	5/9/25 0930	EETA
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time:	Company

Custody Seals Intact. ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		4.3 -24/-

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305780-1
SDG Number:

Login Number: 305780
List Number: 1
Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305780-1
SDG Number:

Login Number: 305780
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 05/09/25 02:03 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-305780-1
SDG Number:

Login Number: 305780
List Number: 3
Creator: Santiago, Nathaniel

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/10/25 09:58 AM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Quantitation Limit Exceptions Summary

Client: HDR Inc
Job ID: 310-305780-1
Project/Site: Iowa City Landfill Spring 2025

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260D	1,2-Dibromo-3-Chloropropane	Water	Total/NA	ug/L	1.20	5
8260D	1,2-Dibromoethane (EDB)	Water	Total/NA	ug/L	0.340	1

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ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Wilson
HDR Inc
1917 S 67th Street
Omaha, Nebraska 68106

Generated 5/23/2025 4:25:58 PM

JOB DESCRIPTION

Iowa City Landfill Spring 2025

JOB NUMBER

310-306065-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

Eurofins Cedar Falls

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 6
Detection Summary 7
Client Sample Results 10
Definitions 68
Surrogate Summary 69
QC Sample Results 72
QC Association 105
Chronicle 113
Certification Summary 120
Method Summary 122
Chain of Custody 123
Receipt Checklists 134
Detection Limit Exceptions Summary 137

Job Narrative
310-306065-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/9/2025 2:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 1.4°C, 1.5°C, 1.6°C, 1.8°C, 2.1°C and 4.3°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 310-454398 recovered outside the control limits for 2,2-Dichloropropane (-22.7%D). The LCS associated with this CCV passed CCV criteria for the affected analyte; therefore, the data have been reported. The associated sample is:(CCV 310-454398/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-454398 recovered outside of the control limits for Trichlorofluoromethane (-20.6%D), Vinyl chloride (-24.5%D), Chloroethane (-21.3%D), and Bromomethane (-32.7%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 310-454398/4).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-454525 recovered outside of the control limits for Bromomethane (-24.8%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is impacted: (CCV 310-454525/4).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-454525 recovered outside of the control limits for Vinyl chloride (-20.9%D). The LCS associated with this CCV passed CCV criteria for the affected analyte; therefore, the data have been reported. The associated sample is:(CCV 310-454525/4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 310-454523. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8270E: Surrogate recovery for the following sample was outside of acceptance limits: MW-31B (310-306065-1). There was insufficient sample and holding-time to perform a re-extraction; therefore, the data have been reported.

Method 8270E: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 310-454523 and analytical batch 310-454804 recovered outside control limits for the following analyte(s): 1,4-phenylenediamine. 1,4-phenylenediamine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8270E: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 310-454523 and analytical batch 310-454804 recovered outside control limits for the following analytes: Chlorobenzilate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-454804 recovered above the upper control

limit for 2-Acetylaminofluorene(54.2%D), Chlorobenzilate(75.1%D), 2,4-Dinitrotoluene(25.8%D), Dinoseb(21.7%D), Ethyl Parathion(28.1%D), Methyl parathion(28.6%D), 3-Nitroaniline(22.5%D), o-Toluidine(28.7%D), 2,3,4,6-Tetrachlorophenol(21.1%D) and 2,4,6-Tribromophenol (Surr)(30.0%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-454804/2).

Method 8270E: The laboratory control sample duplicate (LCSD) for preparation batch 310-454523 and analytical batch 310-454804 recovered outside control limits for the following analytes: Kepone. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: Surrogate recovery for the following sample was outside of acceptance limits: MW-31B (310-306065-1). There was insufficient sample and holding-time to perform a re-extraction; therefore, the data have been reported.

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-454749 recovered above the upper control limit for Benzyl alcohol(21.3%D), Butyl benzyl phthalate(21.4%D), 1,3-Dinitrobenzene(25.2%D), 2,6-Dinitrotoluene(24.1%D), Hexachlorocyclopentadiene(22.2%D), 3-Nitroaniline(20.7%D), Nitrobenzene(20.2%D) and 2-Nitrophenol(26.4%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-454749/2).

Method 8270E: The continuing calibration verification (CCV) associated with batch 310-455173 recovered above the upper control limit for Chlorobenzilate(63.3%D), 2,4-Dinitrotoluene(25.7%D), Dinoseb(21.9%D), Ethyl Parathion(21.2%D), Methyl parathion(28.6%D), Pentachloronitrobenzene(21.0%D), 2,3,4,6-Tetrachlorophenol(21.7%D) and 2,4,6-Tribromophenol (Surr)(27.7%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 310-455173/2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
Method 8015C_DAI: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 310-455047 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B: The continuing calibration verification (CCV) associated with batch 310-454627 recovered above the upper control limit for 4,4'-DDE. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6020B: The laboratory control sample (LCS) for preparation batch 310-454569 and analytical batch 310-454894 recovered outside control limits for the following analytes: silver. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-306065-1	MW-31B	Water	05/07/25 07:42	05/09/25 14:30
310-306065-2	Dup-2	Water	05/07/25 07:42	05/09/25 14:30
310-306065-3	MW-215A	Water	05/07/25 08:33	05/09/25 14:30
310-306065-4	MW-12B	Water	05/07/25 09:32	05/09/25 14:30
310-306065-5	MW-24A	Water	05/07/25 10:15	05/09/25 14:30
310-306065-6	Dup-1	Water	05/07/25 10:15	05/09/25 14:30
310-306065-7	MW-216A	Water	05/07/25 12:27	05/09/25 14:30
310-306065-8	MW-217A	Water	05/07/25 12:56	05/09/25 14:30
310-306065-9	MW-218A	Water	05/07/25 13:30	05/09/25 14:30
310-306065-10	MW-1A	Water	05/08/25 07:37	05/09/25 14:30
310-306065-11	MW-2A-97	Water	05/08/25 08:52	05/09/25 14:30
310-306065-12	MW-25A-00	Water	05/08/25 10:15	05/09/25 14:30
310-306065-13	MW-23A	Water	05/08/25 12:32	05/09/25 14:30
310-306065-14	MW-404	Water	05/08/25 13:31	05/09/25 14:30
310-306065-15	MW-410	Water	05/08/25 14:06	05/09/25 14:30
310-306065-16	Trip Blank	Water	05/08/25 00:00	05/09/25 14:30

Detection Summary

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-31B — Lab Sample ID: 310-306065-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00203		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.431		0.00200	0.000660	mg/L	1		6020B	Total/NA
Chromium	0.00419	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Cobalt	0.00115		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.00163		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.00338	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00545		0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	332		5.00	3.50	mg/L	1		I-3765-85	Total/NA

Client Sample ID: Dup-2 — Lab Sample ID: 310-306065-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.81	J	10.0	3.10	ug/L	1		8260D	Total/NA
Arsenic	0.00123	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.434		0.00200	0.000660	mg/L	1		6020B	Total/NA
Chromium	0.00249	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Cobalt	0.000719		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000916		0.000500	0.000330	mg/L	1		6020B	Total/NA
Vanadium	0.00341	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	54.0		5.00	3.50	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-215A — Lab Sample ID: 310-306065-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.00141	J	0.00200	0.00100	mg/L	1		6020B	Total/NA
Arsenic	0.000938	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.136		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000101	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Chromium	0.00222	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Cobalt	0.000668		0.000500	0.000170	mg/L	1		6020B	Total/NA
Lead	0.000643		0.000500	0.000330	mg/L	1		6020B	Total/NA
Nickel	0.00258	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Vanadium	0.00262	J	0.00500	0.00170	mg/L	1		6020B	Total/NA
Total Suspended Solids	64.5		7.50	5.25	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-12B — Lab Sample ID: 310-306065-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000752	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.341		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000659		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00461	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	7.38		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-24A — Lab Sample ID: 310-306065-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0180		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.350		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00394		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00546		0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	45.5		7.50	5.25	mg/L	1		I-3765-85	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Dup-1 — Lab Sample ID: 310-306065-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0175		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.351		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00305		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00244	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	54.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-216A — Lab Sample ID: 310-306065-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0555		0.00200	0.000660	mg/L	1		6020B	Total/NA
Nickel	0.00429	J	0.00500	0.00230	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.75		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-217A — Lab Sample ID: 310-306065-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0927		0.00200	0.000660	mg/L	1		6020B	Total/NA

Client Sample ID: MW-218A — Lab Sample ID: 310-306065-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.240		0.00200	0.000660	mg/L	1		6020B	Total/NA

Client Sample ID: MW-1A — Lab Sample ID: 310-306065-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	252		20.0	8.40	mg/L	20		9056A	Total/NA
Arsenic	0.0146		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0909		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.00789		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.00699		0.00500	0.00230	mg/L	1		6020B	Total/NA
Iron	12.8		0.100	0.0500	mg/L	1		6020B	Total/NA
Manganese	4.43		0.0100	0.00360	mg/L	1		6020B	Total/NA
Total Organic Carbon	7.23		1.00	0.500	mg/L	1		9060A	Total/NA
Total Suspended Solids	87.0		15.0	10.5	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-2A-97 — Lab Sample ID: 310-306065-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	91.0		1.00	0.420	mg/L	1		9056A	Total/NA
Arsenic	0.00232		0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.197		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cadmium	0.000123	J	0.000200	0.000100	mg/L	1		6020B	Total/NA
Cobalt	0.0115		0.000500	0.000170	mg/L	1		6020B	Total/NA
Nickel	0.0157		0.00500	0.00230	mg/L	1		6020B	Total/NA
Iron	2.79		0.100	0.0500	mg/L	1		6020B	Total/NA
Manganese	7.40		0.0100	0.00360	mg/L	1		6020B	Total/NA
Total Organic Carbon	7.38		1.00	0.500	mg/L	1		9060A	Total/NA
Total Suspended Solids	8.33		5.00	3.50	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-25A-00 — Lab Sample ID: 310-306065-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.183		0.00200	0.000660	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-25A-00 (Continued) — Lab Sample ID: 310-306065-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	2.00		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-23A — Lab Sample ID: 310-306065-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.320		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000423	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	9.75		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-404 — Lab Sample ID: 310-306065-14

No Detections.

Client Sample ID: MW-410 — Lab Sample ID: 310-306065-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0862		0.00200	0.000660	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.88		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 310-306065-16

No Detections.

This Detection Summary does not include radiochemical test results.

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-31B
Lab Sample ID: 310-306065-1
Date Collected: 05/07/25 07:42
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 13:32	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 13:32	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 13:32	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 13:32	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 13:32	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 13:32	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/13/25 13:32	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 13:32	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/13/25 13:32	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 13:32	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 13:32	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 13:32	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 13:32	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 13:32	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/13/25 13:32	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/13/25 13:32	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 13:32	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/13/25 13:32	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 13:32	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 13:32	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 13:32	1
Acetone	<10.0		10.0	3.10	ug/L			05/13/25 13:32	1
Acrolein	<10.0		10.0	3.60	ug/L			05/13/25 13:32	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 13:32	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/13/25 13:32	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 13:32	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 13:32	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 13:32	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 13:32	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 13:32	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 13:32	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 13:32	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 13:32	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 13:32	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 13:32	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 13:32	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 13:32	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/13/25 13:32	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 13:32	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 13:32	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 13:32	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/13/25 13:32	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/13/25 13:32	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 13:32	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 13:32	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/13/25 13:32	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/13/25 13:32	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 13:32	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/13/25 13:32	1

Client Sample ID: MW-31B
Lab Sample ID: 310-306065-1
Date Collected: 05/07/25 07:42
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/13/25 13:32	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 13:32	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 13:32	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 13:32	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 13:32	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 13:32	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 13:32	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 13:32	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 13:32	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 13:32	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 13:32	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*05/13/25 13:32*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/13/25 13:32*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/13/25 13:32*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.6		10.6	0.681	ug/L		05/13/25 11:58	05/14/25 16:46	1
Acenaphthylene	<10.6		10.6	0.766	ug/L		05/13/25 11:58	05/14/25 16:46	1
Acetophenone	<10.6		10.6	0.734	ug/L		05/13/25 11:58	05/14/25 16:46	1
2-Acetylaminofluorene	<10.6		10.6	2.87	ug/L		05/13/25 11:58	05/15/25 21:20	1
4-Aminobiphenyl	<10.6		10.6	2.34	ug/L		05/13/25 11:58	05/15/25 21:20	1
Anthracene	<10.6		10.6	0.926	ug/L		05/13/25 11:58	05/14/25 16:46	1
Benzo[a]anthracene	<10.6		10.6	0.904	ug/L		05/13/25 11:58	05/14/25 16:46	1
Benzo[a]pyrene	<10.6		10.6	8.62	ug/L		05/13/25 11:58	05/14/25 16:46	1
Benzo[b]fluoranthene	<10.6		10.6	5.21	ug/L		05/13/25 11:58	05/14/25 16:46	1
Benzo[g,h,i]perylene	<10.6		10.6	6.70	ug/L		05/13/25 11:58	05/14/25 16:46	1
Benzo[k]fluoranthene	<10.6		10.6	2.34	ug/L		05/13/25 11:58	05/14/25 16:46	1
Benzyl alcohol	<10.6		10.6	1.38	ug/L		05/13/25 11:58	05/14/25 16:46	1
Bis(2-chloroethoxy)methane	<10.6		10.6	0.809	ug/L		05/13/25 11:58	05/14/25 16:46	1
Bis(2-chloroethyl)ether	<10.6		10.6	0.872	ug/L		05/13/25 11:58	05/14/25 16:46	1
bis (2-chloroisopropyl) ether	<10.6		10.6	0.574	ug/L		05/13/25 11:58	05/14/25 16:46	1
Bis(2-ethylhexyl) phthalate	<10.6		10.6	5.85	ug/L		05/13/25 11:58	05/14/25 16:46	1
4-Bromophenyl phenyl ether	<10.6		10.6	0.745	ug/L		05/13/25 11:58	05/14/25 16:46	1
Butyl benzyl phthalate	<10.6		10.6	5.74	ug/L		05/13/25 11:58	05/14/25 16:46	1
4-Chloroaniline	<10.6		10.6	0.660	ug/L		05/13/25 11:58	05/14/25 16:46	1
Chlorobenzilate	<10.6	*+	10.6	3.83	ug/L		05/13/25 11:58	05/15/25 21:20	1
4-Chloro-3-methylphenol	<10.6		10.6	0.894	ug/L		05/13/25 11:58	05/14/25 16:46	1
2-Chloronaphthalene	<10.6		10.6	0.681	ug/L		05/13/25 11:58	05/14/25 16:46	1
2-Chlorophenol	<10.6		10.6	0.574	ug/L		05/13/25 11:58	05/14/25 16:46	1
4-Chlorophenyl phenyl ether	<10.6		10.6	0.734	ug/L		05/13/25 11:58	05/14/25 16:46	1
Chrysene	<10.6		10.6	0.926	ug/L		05/13/25 11:58	05/14/25 16:46	1
Diallate	<10.6		10.6	4.26	ug/L		05/13/25 11:58	05/15/25 21:20	1
Dibenzo(a,h)anthracene	<10.6		10.6	4.15	ug/L		05/13/25 11:58	05/14/25 16:46	1
Dibenzofuran	<10.6		10.6	0.787	ug/L		05/13/25 11:58	05/14/25 16:46	1
3,3'-Dichlorobenzidine	<10.6		10.6	1.49	ug/L		05/13/25 11:58	05/14/25 16:46	1
2,4-Dichlorophenol	<10.6		10.6	0.904	ug/L		05/13/25 11:58	05/14/25 16:46	1

Client Sample ID: MW-31B
Lab Sample ID: 310-306065-1
Date Collected: 05/07/25 07:42
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.6		10.6	0.734	ug/L		05/13/25 11:58	05/14/25 16:46	1
Diethyl phthalate	<10.6		10.6	1.81	ug/L		05/13/25 11:58	05/14/25 16:46	1
Dimethoate	<10.6		10.6	3.83	ug/L		05/13/25 11:58	05/15/25 21:20	1
7,12-Dimethylbenz(a)anthracene	<10.6		10.6	2.02	ug/L		05/13/25 11:58	05/15/25 21:20	1
3,3'-Dimethylbenzidine	<10.6		10.6	1.60	ug/L		05/13/25 11:58	05/15/25 21:20	1
2,4-Dimethylphenol	<10.6		10.6	0.617	ug/L		05/13/25 11:58	05/14/25 16:46	1
Dimethyl phthalate	<10.6		10.6	1.06	ug/L		05/13/25 11:58	05/14/25 16:46	1
Di-n-butyl phthalate	<10.6		10.6	5.96	ug/L		05/13/25 11:58	05/14/25 16:46	1
1,3-Dinitrobenzene	<10.6		10.6	3.40	ug/L		05/13/25 11:58	05/14/25 16:46	1
4,6-Dinitro-2-methylphenol	<10.6		10.6	7.34	ug/L		05/13/25 11:58	05/14/25 16:46	1
2,4-Dinitrophenol	<21.3		21.3	13.8	ug/L		05/13/25 11:58	05/14/25 16:46	1
2,4-Dinitrotoluene	<10.6		10.6	6.81	ug/L		05/13/25 11:58	05/14/25 16:46	1
2,6-Dinitrotoluene	<10.6		10.6	0.553	ug/L		05/13/25 11:58	05/14/25 16:46	1
Di-n-octyl phthalate	<21.3		21.3	7.45	ug/L		05/13/25 11:58	05/14/25 16:46	1
Dinoseb	<10.6		10.6	2.55	ug/L		05/13/25 11:58	05/15/25 21:20	1
Diphenylamine	<10.6		10.6	6.38	ug/L		05/13/25 11:58	05/14/25 16:46	1
Disulfoton	<10.6		10.6	2.55	ug/L		05/13/25 11:58	05/15/25 21:20	1
Ethyl methanesulfonate	<10.6		10.6	3.83	ug/L		05/13/25 11:58	05/15/25 21:20	1
Ethyl Parathion	<10.6		10.6	2.34	ug/L		05/13/25 11:58	05/15/25 21:20	1
Famphur	<10.6		10.6	4.04	ug/L		05/13/25 11:58	05/21/25 19:38	1
Fluoranthene	<10.6		10.6	1.81	ug/L		05/13/25 11:58	05/14/25 16:46	1
Fluorene	<10.6		10.6	0.840	ug/L		05/13/25 11:58	05/14/25 16:46	1
Hexachlorobenzene	<10.6		10.6	0.745	ug/L		05/13/25 11:58	05/14/25 16:46	1
Hexachlorobutadiene	<10.6		10.6	0.915	ug/L		05/13/25 11:58	05/14/25 16:46	1
Hexachlorocyclopentadiene	<10.6		10.6	5.43	ug/L		05/13/25 11:58	05/14/25 16:46	1
Hexachloroethane	<10.6		10.6	1.03	ug/L		05/13/25 11:58	05/14/25 16:46	1
Hexachloropropene	<10.6		10.6	2.77	ug/L		05/13/25 11:58	05/15/25 21:20	1
Indeno[1,2,3-cd]pyrene	<10.6		10.6	4.47	ug/L		05/13/25 11:58	05/14/25 16:46	1
Isodrin	<10.6		10.6	5.00	ug/L		05/13/25 11:58	05/15/25 21:20	1
Isophorone	<10.6		10.6	0.989	ug/L		05/13/25 11:58	05/14/25 16:46	1
Isosafrole	<10.6		10.6	2.45	ug/L		05/13/25 11:58	05/15/25 21:20	1
Kepone	<10.6	*+	10.6	1.06	ug/L		05/13/25 11:58	05/15/25 21:20	1
Methapyrilene	<10.6		10.6	0.809	ug/L		05/13/25 11:58	05/15/25 21:20	1
3-Methylcholanthrene	<10.6		10.6	0.340	ug/L		05/13/25 11:58	05/15/25 21:20	1
Methyl methanesulfonate	<10.6		10.6	3.51	ug/L		05/13/25 11:58	05/15/25 21:20	1
2-Methylnaphthalene	<10.6		10.6	0.628	ug/L		05/13/25 11:58	05/14/25 16:46	1
Methyl parathion	<10.6		10.6	2.45	ug/L		05/13/25 11:58	05/15/25 21:20	1
2-Methylphenol	<10.6		10.6	0.691	ug/L		05/13/25 11:58	05/14/25 16:46	1
Methylphenol, 3 & 4	<10.6		10.6	0.745	ug/L		05/13/25 11:58	05/14/25 16:46	1
1,4-Naphthoquinone	<10.6		10.6	3.83	ug/L		05/13/25 11:58	05/15/25 21:20	1
1-Naphthylamine	<10.6		10.6	2.66	ug/L		05/13/25 11:58	05/15/25 21:20	1
2-Naphthylamine	<10.6		10.6	2.23	ug/L		05/13/25 11:58	05/15/25 21:20	1
2-Nitroaniline	<10.6		10.6	6.28	ug/L		05/13/25 11:58	05/14/25 16:46	1
3-Nitroaniline	<10.6		10.6	2.87	ug/L		05/13/25 11:58	05/14/25 16:46	1
4-Nitroaniline	<10.6		10.6	1.38	ug/L		05/13/25 11:58	05/14/25 16:46	1
Nitrobenzene	<10.6		10.6	0.851	ug/L		05/13/25 11:58	05/14/25 16:46	1
5-Nitro-o-toluidine	<10.6		10.6	2.98	ug/L		05/13/25 11:58	05/15/25 21:20	1
2-Nitrophenol	<10.6		10.6	7.23	ug/L		05/13/25 11:58	05/14/25 16:46	1
4-Nitrophenol	<10.6		10.6	8.09	ug/L		05/13/25 11:58	05/14/25 16:46	1

Client Sample ID: MW-31B
Lab Sample ID: 310-306065-1
Date Collected: 05/07/25 07:42
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.6		10.6	3.62	ug/L		05/13/25 11:58	05/15/25 21:20	1
N-Nitrosodimethylamine	<10.6		10.6	0.766	ug/L		05/13/25 11:58	05/14/25 16:46	1
N-Nitrosodi-n-butylamine	<10.6		10.6	4.15	ug/L		05/13/25 11:58	05/15/25 21:20	1
N-Nitrosodi-n-propylamine	<10.6		10.6	0.979	ug/L		05/13/25 11:58	05/14/25 16:46	1
N-Nitrosodiphenylamine	<10.6		10.6	0.798	ug/L		05/13/25 11:58	05/14/25 16:46	1
N-Nitrosomethylethylamine	<10.6		10.6	5.21	ug/L		05/13/25 11:58	05/15/25 21:20	1
N-Nitrosopiperidine	<10.6		10.6	2.87	ug/L		05/13/25 11:58	05/15/25 21:20	1
N-Nitrosopyrrolidine	<10.6		10.6	3.83	ug/L		05/13/25 11:58	05/15/25 21:20	1
o,o',o''-Triethylphosphorothioate	<10.6		10.6	3.40	ug/L		05/13/25 11:58	05/15/25 21:20	1
o-Toluidine	<10.6		10.6	3.09	ug/L		05/13/25 11:58	05/15/25 21:20	1
p-Dimethylamino azobenzene	<10.6		10.6	2.34	ug/L		05/13/25 11:58	05/15/25 21:20	1
Pentachlorobenzene	<10.6		10.6	2.98	ug/L		05/13/25 11:58	05/15/25 21:20	1
Pentachloronitrobenzene	<10.6		10.6	6.17	ug/L		05/13/25 11:58	05/15/25 21:20	1
Pentachlorophenol	<10.6		10.6	10.2	ug/L		05/13/25 11:58	05/14/25 16:46	1
Phenacetin	<10.6		10.6	2.02	ug/L		05/13/25 11:58	05/15/25 21:20	1
Phenanthrene	<10.6		10.6	0.840	ug/L		05/13/25 11:58	05/14/25 16:46	1
Phenol	<10.6		10.6	1.17	ug/L		05/13/25 11:58	05/14/25 16:46	1
1,4-phenylenediamine	<10.6	*-	10.6	2.02	ug/L		05/13/25 11:58	05/15/25 21:20	1
Phorate	<10.6		10.6	3.40	ug/L		05/13/25 11:58	05/15/25 21:20	1
Pronamide	<10.6		10.6	2.87	ug/L		05/13/25 11:58	05/15/25 21:20	1
Pyrene	<10.6		10.6	0.840	ug/L		05/13/25 11:58	05/14/25 16:46	1
Safrole	<10.6		10.6	2.98	ug/L		05/13/25 11:58	05/15/25 21:20	1
1,2,4,5-Tetrachlorobenzene	<10.6		10.6	0.574	ug/L		05/13/25 11:58	05/14/25 16:46	1
2,3,4,6-Tetrachlorophenol	<10.6		10.6	5.64	ug/L		05/13/25 11:58	05/14/25 16:46	1
Thionazin	<10.6		10.6	3.72	ug/L		05/13/25 11:58	05/15/25 21:20	1
2,4,5-Trichlorophenol	<10.6		10.6	5.64	ug/L		05/13/25 11:58	05/14/25 16:46	1
2,4,6-Trichlorophenol	<10.6		10.6	5.32	ug/L		05/13/25 11:58	05/14/25 16:46	1
1,3,5-Trinitrobenzene	<10.6		10.6	2.45	ug/L		05/13/25 11:58	05/15/25 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*35*	*S1-*	*39 - 118*	*05/13/25 11:58*	*05/14/25 16:46*	*1*
2-Fluorophenol (Surr)	*49*		*25 - 110*	*05/13/25 11:58*	*05/14/25 16:46*	*1*
Nitrobenzene-d5 (Surr)	*35*	*S1-*	*45 - 129*	*05/13/25 11:58*	*05/14/25 16:46*	*1*
Phenol-d5 (Surr)	*51*		*21 - 110*	*05/13/25 11:58*	*05/14/25 16:46*	*1*
Terphenyl-d14 (Surr)	*53*		*12 - 144*	*05/13/25 11:58*	*05/14/25 16:46*	*1*
2,4,6-Tribromophenol (Surr)	*40*		*27 - 136*	*05/13/25 11:58*	*05/14/25 16:46*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0	F1	10.0	2.60	mg/L			05/19/25 12:16	1
Isobutanol	<10.0	F1	10.0	2.40	mg/L			05/19/25 12:16	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0897		0.0897	0.0224	ug/L		05/14/25 12:40	05/14/25 18:11	1
4,4'-DDE	<0.0897		0.0897	0.0269	ug/L		05/14/25 12:40	05/14/25 18:11	1
4,4'-DDT	<0.0897		0.0897	0.0179	ug/L		05/14/25 12:40	05/14/25 18:11	1
Aldrin	<0.0897		0.0897	0.0197	ug/L		05/14/25 12:40	05/14/25 18:11	1
alpha-BHC	<0.0897		0.0897	0.00897	ug/L		05/14/25 12:40	05/14/25 18:11	1
beta-BHC	<0.0897		0.0897	0.0377	ug/L		05/14/25 12:40	05/14/25 18:11	1

Client Sample ID: MW-31B
Lab Sample ID: 310-306065-1
Date Collected: 05/07/25 07:42
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.79		1.79	0.350	ug/L		05/14/25 12:40	05/14/25 18:11	1
delta-BHC	<0.0897		0.0897	0.0287	ug/L		05/14/25 12:40	05/14/25 18:11	1
Dieldrin	<0.0897		0.0897	0.0188	ug/L		05/14/25 12:40	05/14/25 18:11	1
Endosulfan I	<0.0897		0.0897	0.0251	ug/L		05/14/25 12:40	05/14/25 18:11	1
Endosulfan II	<0.0897		0.0897	0.0233	ug/L		05/14/25 12:40	05/14/25 18:11	1
Endosulfan sulfate	<0.0897		0.0897	0.0162	ug/L		05/14/25 12:40	05/14/25 18:11	1
Endrin	<0.0897		0.0897	0.0251	ug/L		05/14/25 12:40	05/14/25 18:11	1
Endrin aldehyde	<0.0897		0.0897	0.0242	ug/L		05/14/25 12:40	05/14/25 18:11	1
gamma-BHC (Lindane)	<0.0897		0.0897	0.00897	ug/L		05/14/25 12:40	05/14/25 18:11	1
Heptachlor	<0.0897		0.0897	0.0206	ug/L		05/14/25 12:40	05/14/25 18:11	1
Heptachlor epoxide	<0.0897		0.0897	0.0287	ug/L		05/14/25 12:40	05/14/25 18:11	1
Methoxychlor	<0.0897		0.0897	0.0287	ug/L		05/14/25 12:40	05/14/25 18:11	1
Toxaphene	<1.79		1.79	0.897	ug/L		05/14/25 12:40	05/14/25 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*52*		*10 - 150*	*05/14/25 12:40*	*05/14/25 18:11*	*1*
Tetrachloro-m-xylene	*73*		*17 - 150*	*05/14/25 12:40*	*05/14/25 18:11*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.79		1.79	0.736	ug/L		05/14/25 12:40	05/14/25 18:11	1
PCB-1221	<1.79		1.79	0.736	ug/L		05/14/25 12:40	05/14/25 18:11	1
PCB-1232	<1.79		1.79	0.736	ug/L		05/14/25 12:40	05/14/25 18:11	1
PCB-1242	<1.79		1.79	0.736	ug/L		05/14/25 12:40	05/14/25 18:11	1
PCB-1248	<1.79		1.79	0.619	ug/L		05/14/25 12:40	05/14/25 18:11	1
PCB-1254	<1.79		1.79	0.619	ug/L		05/14/25 12:40	05/14/25 18:11	1
PCB-1260	<1.79		1.79	0.619	ug/L		05/14/25 12:40	05/14/25 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*52*		*10 - 150*	*05/14/25 12:40*	*05/14/25 18:11*	*1*
Tetrachloro-m-xylene	*73*		*17 - 150*	*05/14/25 12:40*	*05/14/25 18:11*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.623		0.623	0.260	ug/L		05/14/25 15:21	05/15/25 08:56	1
Silvex (2,4,5-TP)	<0.0519		0.0519	0.0228	ug/L		05/14/25 15:21	05/15/25 08:56	1
2,4,5-T	<0.156		0.156	0.0675	ug/L		05/14/25 15:21	05/15/25 08:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*60*		*34 - 142*	*05/14/25 15:21*	*05/15/25 08:56*	*1*
DCAA	*56*		*34 - 142*	*05/14/25 15:21*	*05/15/25 08:56*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/14/25 09:00	05/15/25 17:10	1
Arsenic	**0.00203**		0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 17:10	1
Barium	**0.431**		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 17:10	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/14/25 09:00	05/15/25 17:10	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/14/25 09:00	05/15/25 17:10	1
Chromium	**0.00419**	**J**	0.00500	0.00180	mg/L		05/14/25 09:00	05/15/25 17:10	1
Cobalt	**0.00115**		0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 17:10	1

Client Sample ID: MW-31B
Lab Sample ID: 310-306065-1
Date Collected: 05/07/25 07:42
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 17:10	1
Lead	**0.00163**		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 17:10	1
Nickel	**0.00338**	**J**	0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 17:10	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/14/25 09:00	05/15/25 17:10	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/14/25 09:00	05/15/25 17:10	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/14/25 09:00	05/15/25 17:10	1
Vanadium	**0.00545**		0.00500	0.00170	mg/L		05/14/25 09:00	05/15/25 17:10	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/14/25 09:00	05/15/25 17:10	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/14/25 09:00	05/15/25 17:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/15/25 12:44	05/16/25 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/19/25 09:47	05/19/25 21:27	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/14/25 00:24	1
Total Suspended Solids (USGS I-3765-85)	**332**		5.00	3.50	mg/L			05/12/25 20:44	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Dup-2
Lab Sample ID: 310-306065-2
Date Collected: 05/07/25 07:42
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 13:54	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 13:54	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 13:54	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 13:54	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 13:54	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 13:54	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 13:54	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 13:54	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 13:54	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 13:54	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 13:54	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 13:54	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 13:54	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 13:54	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 13:54	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 13:54	1
Acetone	**3.81**	**J**	10.0	3.10	ug/L			05/13/25 13:54	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 13:54	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 13:54	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 13:54	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 13:54	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 13:54	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 13:54	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 13:54	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 13:54	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 13:54	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 13:54	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 13:54	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 13:54	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 13:54	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 13:54	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 13:54	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 13:54	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 13:54	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 13:54	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 13:54	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 13:54	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 13:54	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 13:54	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 13:54	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 13:54	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 13:54	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 13:54	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 13:54	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 13:54	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 13:54	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*76 - 130*		*05/13/25 13:54*	*1*

Client Sample ID: Dup-2
Lab Sample ID: 310-306065-2
Date Collected: 05/07/25 07:42
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/13/25 13:54*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/13/25 13:54*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/14/25 09:00	05/15/25 17:13	1
Arsenic	**0.00123**	**J**	0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 17:13	1
Barium	**0.434**		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 17:13	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/14/25 09:00	05/15/25 17:13	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/14/25 09:00	05/15/25 17:13	1
Chromium	**0.00249**	**J**	0.00500	0.00180	mg/L		05/14/25 09:00	05/15/25 17:13	1
Cobalt	**0.000719**		0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 17:13	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 17:13	1
Lead	**0.000916**		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 17:13	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 17:13	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/14/25 09:00	05/15/25 17:13	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/14/25 09:00	05/15/25 17:13	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/14/25 09:00	05/15/25 17:13	1
Vanadium	**0.00341**	**J**	0.00500	0.00170	mg/L		05/14/25 09:00	05/15/25 17:13	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/14/25 09:00	05/15/25 17:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**54.0**		5.00	3.50	mg/L			05/12/25 20:44	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-215A
Lab Sample ID: 310-306065-3
Date Collected: 05/07/25 08:33
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 14:16	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 14:16	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 14:16	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 14:16	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 14:16	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 14:16	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/13/25 14:16	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 14:16	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/13/25 14:16	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 14:16	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 14:16	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 14:16	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 14:16	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 14:16	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/13/25 14:16	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/13/25 14:16	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 14:16	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/13/25 14:16	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 14:16	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 14:16	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 14:16	1
Acetone	<10.0		10.0	3.10	ug/L			05/13/25 14:16	1
Acrolein	<10.0		10.0	3.60	ug/L			05/13/25 14:16	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 14:16	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/13/25 14:16	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 14:16	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 14:16	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 14:16	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 14:16	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 14:16	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 14:16	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 14:16	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 14:16	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 14:16	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 14:16	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 14:16	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 14:16	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/13/25 14:16	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 14:16	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 14:16	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 14:16	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/13/25 14:16	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/13/25 14:16	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 14:16	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 14:16	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/13/25 14:16	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/13/25 14:16	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 14:16	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/13/25 14:16	1

Client Sample ID: MW-215A
Lab Sample ID: 310-306065-3
Date Collected: 05/07/25 08:33
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/13/25 14:16	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 14:16	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 14:16	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 14:16	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 14:16	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 14:16	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 14:16	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 14:16	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 14:16	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 14:16	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 14:16	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*76 - 130*		*05/13/25 14:16*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/13/25 14:16*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/13/25 14:16*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.6		10.6	0.681	ug/L		05/13/25 11:58	05/14/25 17:17	1
Acenaphthylene	<10.6		10.6	0.766	ug/L		05/13/25 11:58	05/14/25 17:17	1
Acetophenone	<10.6		10.6	0.734	ug/L		05/13/25 11:58	05/14/25 17:17	1
2-Acetylaminofluorene	<10.6		10.6	2.87	ug/L		05/13/25 11:58	05/15/25 21:46	1
4-Aminobiphenyl	<10.6		10.6	2.34	ug/L		05/13/25 11:58	05/15/25 21:46	1
Anthracene	<10.6		10.6	0.926	ug/L		05/13/25 11:58	05/14/25 17:17	1
Benzo[a]anthracene	<10.6		10.6	0.904	ug/L		05/13/25 11:58	05/14/25 17:17	1
Benzo[a]pyrene	<10.6		10.6	8.62	ug/L		05/13/25 11:58	05/14/25 17:17	1
Benzo[b]fluoranthene	<10.6		10.6	5.21	ug/L		05/13/25 11:58	05/14/25 17:17	1
Benzo[g,h,i]perylene	<10.6		10.6	6.70	ug/L		05/13/25 11:58	05/14/25 17:17	1
Benzo[k]fluoranthene	<10.6		10.6	2.34	ug/L		05/13/25 11:58	05/14/25 17:17	1
Benzyl alcohol	<10.6		10.6	1.38	ug/L		05/13/25 11:58	05/14/25 17:17	1
Bis(2-chloroethoxy)methane	<10.6		10.6	0.809	ug/L		05/13/25 11:58	05/14/25 17:17	1
Bis(2-chloroethyl)ether	<10.6		10.6	0.872	ug/L		05/13/25 11:58	05/14/25 17:17	1
bis (2-chloroisopropyl) ether	<10.6		10.6	0.574	ug/L		05/13/25 11:58	05/14/25 17:17	1
Bis(2-ethylhexyl) phthalate	<10.6		10.6	5.85	ug/L		05/13/25 11:58	05/14/25 17:17	1
4-Bromophenyl phenyl ether	<10.6		10.6	0.745	ug/L		05/13/25 11:58	05/14/25 17:17	1
Butyl benzyl phthalate	<10.6		10.6	5.74	ug/L		05/13/25 11:58	05/14/25 17:17	1
4-Chloroaniline	<10.6		10.6	0.660	ug/L		05/13/25 11:58	05/14/25 17:17	1
Chlorobenzilate	<10.6	*+	10.6	3.83	ug/L		05/13/25 11:58	05/15/25 21:46	1
4-Chloro-3-methylphenol	<10.6		10.6	0.894	ug/L		05/13/25 11:58	05/14/25 17:17	1
2-Chloronaphthalene	<10.6		10.6	0.681	ug/L		05/13/25 11:58	05/14/25 17:17	1
2-Chlorophenol	<10.6		10.6	0.574	ug/L		05/13/25 11:58	05/14/25 17:17	1
4-Chlorophenyl phenyl ether	<10.6		10.6	0.734	ug/L		05/13/25 11:58	05/14/25 17:17	1
Chrysene	<10.6		10.6	0.926	ug/L		05/13/25 11:58	05/14/25 17:17	1
Diallate	<10.6		10.6	4.26	ug/L		05/13/25 11:58	05/15/25 21:46	1
Dibenzo(a,h)anthracene	<10.6		10.6	4.15	ug/L		05/13/25 11:58	05/14/25 17:17	1
Dibenzofuran	<10.6		10.6	0.787	ug/L		05/13/25 11:58	05/14/25 17:17	1
3,3'-Dichlorobenzidine	<10.6		10.6	1.49	ug/L		05/13/25 11:58	05/14/25 17:17	1
2,4-Dichlorophenol	<10.6		10.6	0.904	ug/L		05/13/25 11:58	05/14/25 17:17	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-215A
Lab Sample ID: 310-306065-3
Date Collected: 05/07/25 08:33
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.6		10.6	0.734	ug/L		05/13/25 11:58	05/14/25 17:17	1
Diethyl phthalate	<10.6		10.6	1.81	ug/L		05/13/25 11:58	05/14/25 17:17	1
Dimethoate	<10.6		10.6	3.83	ug/L		05/13/25 11:58	05/15/25 21:46	1
7,12-Dimethylbenz(a)anthracene	<10.6		10.6	2.02	ug/L		05/13/25 11:58	05/15/25 21:46	1
3,3'-Dimethylbenzidine	<10.6		10.6	1.60	ug/L		05/13/25 11:58	05/15/25 21:46	1
2,4-Dimethylphenol	<10.6		10.6	0.617	ug/L		05/13/25 11:58	05/14/25 17:17	1
Dimethyl phthalate	<10.6		10.6	1.06	ug/L		05/13/25 11:58	05/14/25 17:17	1
Di-n-butyl phthalate	<10.6		10.6	5.96	ug/L		05/13/25 11:58	05/14/25 17:17	1
1,3-Dinitrobenzene	<10.6		10.6	3.40	ug/L		05/13/25 11:58	05/14/25 17:17	1
4,6-Dinitro-2-methylphenol	<10.6		10.6	7.34	ug/L		05/13/25 11:58	05/14/25 17:17	1
2,4-Dinitrophenol	<21.3		21.3	13.8	ug/L		05/13/25 11:58	05/14/25 17:17	1
2,4-Dinitrotoluene	<10.6		10.6	6.81	ug/L		05/13/25 11:58	05/14/25 17:17	1
2,6-Dinitrotoluene	<10.6		10.6	0.553	ug/L		05/13/25 11:58	05/14/25 17:17	1
Di-n-octyl phthalate	<21.3		21.3	7.45	ug/L		05/13/25 11:58	05/14/25 17:17	1
Dinoseb	<10.6		10.6	2.55	ug/L		05/13/25 11:58	05/15/25 21:46	1
Diphenylamine	<10.6		10.6	6.38	ug/L		05/13/25 11:58	05/14/25 17:17	1
Disulfoton	<10.6		10.6	2.55	ug/L		05/13/25 11:58	05/15/25 21:46	1
Ethyl methanesulfonate	<10.6		10.6	3.83	ug/L		05/13/25 11:58	05/15/25 21:46	1
Ethyl Parathion	<10.6		10.6	2.34	ug/L		05/13/25 11:58	05/15/25 21:46	1
Famphur	<10.6		10.6	4.04	ug/L		05/13/25 11:58	05/21/25 19:57	1
Fluoranthene	<10.6		10.6	1.81	ug/L		05/13/25 11:58	05/14/25 17:17	1
Fluorene	<10.6		10.6	0.840	ug/L		05/13/25 11:58	05/14/25 17:17	1
Hexachlorobenzene	<10.6		10.6	0.745	ug/L		05/13/25 11:58	05/14/25 17:17	1
Hexachlorobutadiene	<10.6		10.6	0.915	ug/L		05/13/25 11:58	05/14/25 17:17	1
Hexachlorocyclopentadiene	<10.6		10.6	5.43	ug/L		05/13/25 11:58	05/14/25 17:17	1
Hexachloroethane	<10.6		10.6	1.03	ug/L		05/13/25 11:58	05/14/25 17:17	1
Hexachloropropene	<10.6		10.6	2.77	ug/L		05/13/25 11:58	05/15/25 21:46	1
Indeno[1,2,3-cd]pyrene	<10.6		10.6	4.47	ug/L		05/13/25 11:58	05/14/25 17:17	1
Isodrin	<10.6		10.6	5.00	ug/L		05/13/25 11:58	05/15/25 21:46	1
Isophorone	<10.6		10.6	0.989	ug/L		05/13/25 11:58	05/14/25 17:17	1
Isosafrole	<10.6		10.6	2.45	ug/L		05/13/25 11:58	05/15/25 21:46	1
Kepone	<10.6	*+	10.6	1.06	ug/L		05/13/25 11:58	05/15/25 21:46	1
Methapyrilene	<10.6		10.6	0.809	ug/L		05/13/25 11:58	05/15/25 21:46	1
3-Methylcholanthrene	<10.6		10.6	0.340	ug/L		05/13/25 11:58	05/15/25 21:46	1
Methyl methanesulfonate	<10.6		10.6	3.51	ug/L		05/13/25 11:58	05/15/25 21:46	1
2-Methylnaphthalene	<10.6		10.6	0.628	ug/L		05/13/25 11:58	05/14/25 17:17	1
Methyl parathion	<10.6		10.6	2.45	ug/L		05/13/25 11:58	05/15/25 21:46	1
2-Methylphenol	<10.6		10.6	0.691	ug/L		05/13/25 11:58	05/14/25 17:17	1
Methylphenol, 3 & 4	<10.6		10.6	0.745	ug/L		05/13/25 11:58	05/14/25 17:17	1
1,4-Naphthoquinone	<10.6		10.6	3.83	ug/L		05/13/25 11:58	05/15/25 21:46	1
1-Naphthylamine	<10.6		10.6	2.66	ug/L		05/13/25 11:58	05/15/25 21:46	1
2-Naphthylamine	<10.6		10.6	2.23	ug/L		05/13/25 11:58	05/15/25 21:46	1
2-Nitroaniline	<10.6		10.6	6.28	ug/L		05/13/25 11:58	05/14/25 17:17	1
3-Nitroaniline	<10.6		10.6	2.87	ug/L		05/13/25 11:58	05/14/25 17:17	1
4-Nitroaniline	<10.6		10.6	1.38	ug/L		05/13/25 11:58	05/14/25 17:17	1
Nitrobenzene	<10.6		10.6	0.851	ug/L		05/13/25 11:58	05/14/25 17:17	1
5-Nitro-o-toluidine	<10.6		10.6	2.98	ug/L		05/13/25 11:58	05/15/25 21:46	1
2-Nitrophenol	<10.6		10.6	7.23	ug/L		05/13/25 11:58	05/14/25 17:17	1
4-Nitrophenol	<10.6		10.6	8.09	ug/L		05/13/25 11:58	05/14/25 17:17	1

Client Sample ID: MW-215A
Lab Sample ID: 310-306065-3
Date Collected: 05/07/25 08:33
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.6		10.6	3.62	ug/L		05/13/25 11:58	05/15/25 21:46	1
N-Nitrosodimethylamine	<10.6		10.6	0.766	ug/L		05/13/25 11:58	05/14/25 17:17	1
N-Nitrosodi-n-butylamine	<10.6		10.6	4.15	ug/L		05/13/25 11:58	05/15/25 21:46	1
N-Nitrosodi-n-propylamine	<10.6		10.6	0.979	ug/L		05/13/25 11:58	05/14/25 17:17	1
N-Nitrosodiphenylamine	<10.6		10.6	0.798	ug/L		05/13/25 11:58	05/14/25 17:17	1
N-Nitrosomethylethylamine	<10.6		10.6	5.21	ug/L		05/13/25 11:58	05/15/25 21:46	1
N-Nitrosopiperidine	<10.6		10.6	2.87	ug/L		05/13/25 11:58	05/15/25 21:46	1
N-Nitrosopyrrolidine	<10.6		10.6	3.83	ug/L		05/13/25 11:58	05/15/25 21:46	1
o,o',o''-Triethylphosphorothioate	<10.6		10.6	3.40	ug/L		05/13/25 11:58	05/15/25 21:46	1
o-Toluidine	<10.6		10.6	3.09	ug/L		05/13/25 11:58	05/15/25 21:46	1
p-Dimethylamino azobenzene	<10.6		10.6	2.34	ug/L		05/13/25 11:58	05/15/25 21:46	1
Pentachlorobenzene	<10.6		10.6	2.98	ug/L		05/13/25 11:58	05/15/25 21:46	1
Pentachloronitrobenzene	<10.6		10.6	6.17	ug/L		05/13/25 11:58	05/15/25 21:46	1
Pentachlorophenol	<10.6		10.6	10.2	ug/L		05/13/25 11:58	05/14/25 17:17	1
Phenacetin	<10.6		10.6	2.02	ug/L		05/13/25 11:58	05/15/25 21:46	1
Phenanthrene	<10.6		10.6	0.840	ug/L		05/13/25 11:58	05/14/25 17:17	1
Phenol	<10.6		10.6	1.17	ug/L		05/13/25 11:58	05/14/25 17:17	1
1,4-phenylenediamine	<10.6	*-	10.6	2.02	ug/L		05/13/25 11:58	05/15/25 21:46	1
Phorate	<10.6		10.6	3.40	ug/L		05/13/25 11:58	05/15/25 21:46	1
Pronamide	<10.6		10.6	2.87	ug/L		05/13/25 11:58	05/15/25 21:46	1
Pyrene	<10.6		10.6	0.840	ug/L		05/13/25 11:58	05/14/25 17:17	1
Safrole	<10.6		10.6	2.98	ug/L		05/13/25 11:58	05/15/25 21:46	1
1,2,4,5-Tetrachlorobenzene	<10.6		10.6	0.574	ug/L		05/13/25 11:58	05/14/25 17:17	1
2,3,4,6-Tetrachlorophenol	<10.6		10.6	5.64	ug/L		05/13/25 11:58	05/14/25 17:17	1
Thionazin	<10.6		10.6	3.72	ug/L		05/13/25 11:58	05/15/25 21:46	1
2,4,5-Trichlorophenol	<10.6		10.6	5.64	ug/L		05/13/25 11:58	05/14/25 17:17	1
2,4,6-Trichlorophenol	<10.6		10.6	5.32	ug/L		05/13/25 11:58	05/14/25 17:17	1
1,3,5-Trinitrobenzene	<10.6		10.6	2.45	ug/L		05/13/25 11:58	05/15/25 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*73*		*39 - 118*	*05/13/25 11:58*	*05/14/25 17:17*	*1*
2-Fluorophenol (Surr)	*56*		*25 - 110*	*05/13/25 11:58*	*05/14/25 17:17*	*1*
Nitrobenzene-d5 (Surr)	*72*		*45 - 129*	*05/13/25 11:58*	*05/14/25 17:17*	*1*
Phenol-d5 (Surr)	*52*		*21 - 110*	*05/13/25 11:58*	*05/14/25 17:17*	*1*
Terphenyl-d14 (Surr)	*67*		*12 - 144*	*05/13/25 11:58*	*05/14/25 17:17*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*27 - 136*	*05/13/25 11:58*	*05/14/25 17:17*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/19/25 12:36	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/19/25 12:36	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0904		0.0904	0.0226	ug/L		05/14/25 12:40	05/14/25 19:03	1
4,4'-DDE	<0.0904		0.0904	0.0271	ug/L		05/14/25 12:40	05/14/25 19:03	1
4,4'-DDT	<0.0904		0.0904	0.0181	ug/L		05/14/25 12:40	05/14/25 19:03	1
Aldrin	<0.0904		0.0904	0.0199	ug/L		05/14/25 12:40	05/14/25 19:03	1
alpha-BHC	<0.0904		0.0904	0.00904	ug/L		05/14/25 12:40	05/14/25 19:03	1
beta-BHC	<0.0904		0.0904	0.0380	ug/L		05/14/25 12:40	05/14/25 19:03	1

Client Sample ID: MW-215A
Lab Sample ID: 310-306065-3
Date Collected: 05/07/25 08:33
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.81		1.81	0.353	ug/L		05/14/25 12:40	05/14/25 19:03	1
delta-BHC	<0.0904		0.0904	0.0289	ug/L		05/14/25 12:40	05/14/25 19:03	1
Dieldrin	<0.0904		0.0904	0.0190	ug/L		05/14/25 12:40	05/14/25 19:03	1
Endosulfan I	<0.0904		0.0904	0.0253	ug/L		05/14/25 12:40	05/14/25 19:03	1
Endosulfan II	<0.0904		0.0904	0.0235	ug/L		05/14/25 12:40	05/14/25 19:03	1
Endosulfan sulfate	<0.0904		0.0904	0.0163	ug/L		05/14/25 12:40	05/14/25 19:03	1
Endrin	<0.0904		0.0904	0.0253	ug/L		05/14/25 12:40	05/14/25 19:03	1
Endrin aldehyde	<0.0904		0.0904	0.0244	ug/L		05/14/25 12:40	05/14/25 19:03	1
gamma-BHC (Lindane)	<0.0904		0.0904	0.00904	ug/L		05/14/25 12:40	05/14/25 19:03	1
Heptachlor	<0.0904		0.0904	0.0208	ug/L		05/14/25 12:40	05/14/25 19:03	1
Heptachlor epoxide	<0.0904		0.0904	0.0289	ug/L		05/14/25 12:40	05/14/25 19:03	1
Methoxychlor	<0.0904		0.0904	0.0289	ug/L		05/14/25 12:40	05/14/25 19:03	1
Toxaphene	<1.81		1.81	0.904	ug/L		05/14/25 12:40	05/14/25 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*58*		*10 - 150*	*05/14/25 12:40*	*05/14/25 19:03*	*1*
Tetrachloro-m-xylene	*66*		*17 - 150*	*05/14/25 12:40*	*05/14/25 19:03*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.81		1.81	0.742	ug/L		05/14/25 12:40	05/14/25 19:03	1
PCB-1221	<1.81		1.81	0.742	ug/L		05/14/25 12:40	05/14/25 19:03	1
PCB-1232	<1.81		1.81	0.742	ug/L		05/14/25 12:40	05/14/25 19:03	1
PCB-1242	<1.81		1.81	0.742	ug/L		05/14/25 12:40	05/14/25 19:03	1
PCB-1248	<1.81		1.81	0.624	ug/L		05/14/25 12:40	05/14/25 19:03	1
PCB-1254	<1.81		1.81	0.624	ug/L		05/14/25 12:40	05/14/25 19:03	1
PCB-1260	<1.81		1.81	0.624	ug/L		05/14/25 12:40	05/14/25 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*58*		*10 - 150*	*05/14/25 12:40*	*05/14/25 19:03*	*1*
Tetrachloro-m-xylene	*66*		*17 - 150*	*05/14/25 12:40*	*05/14/25 19:03*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.631		0.631	0.263	ug/L		05/14/25 15:21	05/15/25 09:24	1
Silvex (2,4,5-TP)	<0.0526		0.0526	0.0231	ug/L		05/14/25 15:21	05/15/25 09:24	1
2,4,5-T	<0.158		0.158	0.0683	ug/L		05/14/25 15:21	05/15/25 09:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*53*		*34 - 142*	*05/14/25 15:21*	*05/15/25 09:24*	*1*
DCAA	*48*		*34 - 142*	*05/14/25 15:21*	*05/15/25 09:24*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00141**	**J**	0.00200	0.00100	mg/L		05/14/25 09:00	05/15/25 17:21	1
Arsenic	**0.000938**	**J**	0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 17:21	1
Barium	**0.136**		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 17:21	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/14/25 09:00	05/15/25 17:21	1
Cadmium	**0.000101**	**J**	0.000200	0.000100	mg/L		05/14/25 09:00	05/15/25 17:21	1
Chromium	**0.00222**	**J**	0.00500	0.00180	mg/L		05/14/25 09:00	05/15/25 17:21	1
Cobalt	**0.000668**		0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 17:21	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-215A
Lab Sample ID: 310-306065-3
Date Collected: 05/07/25 08:33
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 17:21	1
Lead	**0.000643**		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 17:21	1
Nickel	**0.00258**	**J**	0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 17:21	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/14/25 09:00	05/15/25 17:21	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/14/25 09:00	05/15/25 17:21	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/14/25 09:00	05/15/25 17:21	1
Vanadium	**0.00262**	**J**	0.00500	0.00170	mg/L		05/14/25 09:00	05/15/25 17:21	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/14/25 09:00	05/15/25 17:21	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/14/25 09:00	05/15/25 17:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/16/25 11:31	05/19/25 11:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/19/25 09:47	05/19/25 21:46	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/14/25 00:28	1
Total Suspended Solids (USGS I-3765-85)	**64.5**		7.50	5.25	mg/L			05/13/25 10:13	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-12B
Lab Sample ID: 310-306065-4

Date Collected: 05/07/25 09:32
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	<10.4		10.4	5.73	ug/L		05/13/25 11:58	05/14/25 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*62*		*45 - 129*	*05/13/25 11:58*	*05/14/25 17:48*	*1*
2-Fluorobiphenyl (Surr)	*66*		*39 - 118*	*05/13/25 11:58*	*05/14/25 17:48*	*1*
Terphenyl-d14 (Surr)	*61*		*12 - 144*	*05/13/25 11:58*	*05/14/25 17:48*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.000752**	**J**	0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 17:24	1
Barium	**0.341**		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 17:24	1
Cobalt	**0.000659**		0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 17:24	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 17:24	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 17:24	1
Nickel	**0.00461**	**J**	0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**7.38**		1.88	1.31	mg/L			05/13/25 10:13	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-24A
Lab Sample ID: 310-306065-5
Date Collected: 05/07/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 14:39	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 14:39	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 14:39	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 14:39	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 14:39	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 14:39	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/13/25 14:39	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 14:39	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/13/25 14:39	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 14:39	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 14:39	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 14:39	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 14:39	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 14:39	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/13/25 14:39	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/13/25 14:39	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 14:39	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/13/25 14:39	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 14:39	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 14:39	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 14:39	1
Acetone	<10.0		10.0	3.10	ug/L			05/13/25 14:39	1
Acrolein	<10.0		10.0	3.60	ug/L			05/13/25 14:39	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 14:39	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/13/25 14:39	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 14:39	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 14:39	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 14:39	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 14:39	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 14:39	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 14:39	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 14:39	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 14:39	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 14:39	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 14:39	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 14:39	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 14:39	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/13/25 14:39	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 14:39	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 14:39	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 14:39	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/13/25 14:39	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/13/25 14:39	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 14:39	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 14:39	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/13/25 14:39	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/13/25 14:39	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 14:39	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/13/25 14:39	1

Client Sample ID: MW-24A
Lab Sample ID: 310-306065-5
Date Collected: 05/07/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/13/25 14:39	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 14:39	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 14:39	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 14:39	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 14:39	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 14:39	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 14:39	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 14:39	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 14:39	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 14:39	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 14:39	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*76 - 130*		*05/13/25 14:39*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/13/25 14:39*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/13/25 14:39*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.2		10.2	0.653	ug/L		05/13/25 11:58	05/14/25 18:18	1
Acenaphthylene	<10.2		10.2	0.735	ug/L		05/13/25 11:58	05/14/25 18:18	1
Acetophenone	<10.2		10.2	0.704	ug/L		05/13/25 11:58	05/14/25 18:18	1
2-Acetylaminofluorene	<10.2		10.2	2.76	ug/L		05/13/25 11:58	05/15/25 22:39	1
4-Aminobiphenyl	<10.2		10.2	2.24	ug/L		05/13/25 11:58	05/15/25 22:39	1
Anthracene	<10.2		10.2	0.888	ug/L		05/13/25 11:58	05/14/25 18:18	1
Benzo[a]anthracene	<10.2		10.2	0.867	ug/L		05/13/25 11:58	05/14/25 18:18	1
Benzo[a]pyrene	<10.2		10.2	8.27	ug/L		05/13/25 11:58	05/14/25 18:18	1
Benzo[b]fluoranthene	<10.2		10.2	5.00	ug/L		05/13/25 11:58	05/14/25 18:18	1
Benzo[g,h,i]perylene	<10.2		10.2	6.43	ug/L		05/13/25 11:58	05/14/25 18:18	1
Benzo[k]fluoranthene	<10.2		10.2	2.24	ug/L		05/13/25 11:58	05/14/25 18:18	1
Benzyl alcohol	<10.2		10.2	1.33	ug/L		05/13/25 11:58	05/14/25 18:18	1
Bis(2-chloroethoxy)methane	<10.2		10.2	0.776	ug/L		05/13/25 11:58	05/14/25 18:18	1
Bis(2-chloroethyl)ether	<10.2		10.2	0.837	ug/L		05/13/25 11:58	05/14/25 18:18	1
bis (2-chloroisopropyl) ether	<10.2		10.2	0.551	ug/L		05/13/25 11:58	05/14/25 18:18	1
Bis(2-ethylhexyl) phthalate	<10.2		10.2	5.61	ug/L		05/13/25 11:58	05/14/25 18:18	1
4-Bromophenyl phenyl ether	<10.2		10.2	0.714	ug/L		05/13/25 11:58	05/14/25 18:18	1
Butyl benzyl phthalate	<10.2		10.2	5.51	ug/L		05/13/25 11:58	05/14/25 18:18	1
4-Chloroaniline	<10.2		10.2	0.633	ug/L		05/13/25 11:58	05/14/25 18:18	1
Chlorobenzilate	<10.2	*+	10.2	3.67	ug/L		05/13/25 11:58	05/15/25 22:39	1
4-Chloro-3-methylphenol	<10.2		10.2	0.857	ug/L		05/13/25 11:58	05/14/25 18:18	1
2-Chloronaphthalene	<10.2		10.2	0.653	ug/L		05/13/25 11:58	05/14/25 18:18	1
2-Chlorophenol	<10.2		10.2	0.551	ug/L		05/13/25 11:58	05/14/25 18:18	1
4-Chlorophenyl phenyl ether	<10.2		10.2	0.704	ug/L		05/13/25 11:58	05/14/25 18:18	1
Chrysene	<10.2		10.2	0.888	ug/L		05/13/25 11:58	05/14/25 18:18	1
Diallate	<10.2		10.2	4.08	ug/L		05/13/25 11:58	05/15/25 22:39	1
Dibenzo(a,h)anthracene	<10.2		10.2	3.98	ug/L		05/13/25 11:58	05/14/25 18:18	1
Dibenzofuran	<10.2		10.2	0.755	ug/L		05/13/25 11:58	05/14/25 18:18	1
3,3'-Dichlorobenzidine	<10.2		10.2	1.43	ug/L		05/13/25 11:58	05/14/25 18:18	1
2,4-Dichlorophenol	<10.2		10.2	0.867	ug/L		05/13/25 11:58	05/14/25 18:18	1

Client Sample ID: MW-24A
Lab Sample ID: 310-306065-5
Date Collected: 05/07/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.2		10.2	0.704	ug/L		05/13/25 11:58	05/14/25 18:18	1
Diethyl phthalate	<10.2		10.2	1.73	ug/L		05/13/25 11:58	05/14/25 18:18	1
Dimethoate	<10.2		10.2	3.67	ug/L		05/13/25 11:58	05/15/25 22:39	1
7,12-Dimethylbenz(a)anthracene	<10.2		10.2	1.94	ug/L		05/13/25 11:58	05/15/25 22:39	1
3,3'-Dimethylbenzidine	<10.2		10.2	1.53	ug/L		05/13/25 11:58	05/15/25 22:39	1
2,4-Dimethylphenol	<10.2		10.2	0.592	ug/L		05/13/25 11:58	05/14/25 18:18	1
Dimethyl phthalate	<10.2		10.2	1.02	ug/L		05/13/25 11:58	05/14/25 18:18	1
Di-n-butyl phthalate	<10.2		10.2	5.71	ug/L		05/13/25 11:58	05/14/25 18:18	1
1,3-Dinitrobenzene	<10.2		10.2	3.27	ug/L		05/13/25 11:58	05/14/25 18:18	1
4,6-Dinitro-2-methylphenol	<10.2		10.2	7.04	ug/L		05/13/25 11:58	05/14/25 18:18	1
2,4-Dinitrophenol	<20.4		20.4	13.3	ug/L		05/13/25 11:58	05/14/25 18:18	1
2,4-Dinitrotoluene	<10.2		10.2	6.53	ug/L		05/13/25 11:58	05/14/25 18:18	1
2,6-Dinitrotoluene	<10.2		10.2	0.531	ug/L		05/13/25 11:58	05/14/25 18:18	1
Di-n-octyl phthalate	<20.4		20.4	7.14	ug/L		05/13/25 11:58	05/14/25 18:18	1
Dinoseb	<10.2		10.2	2.45	ug/L		05/13/25 11:58	05/15/25 22:39	1
Diphenylamine	<10.2		10.2	6.12	ug/L		05/13/25 11:58	05/14/25 18:18	1
Disulfoton	<10.2		10.2	2.45	ug/L		05/13/25 11:58	05/15/25 22:39	1
Ethyl methanesulfonate	<10.2		10.2	3.67	ug/L		05/13/25 11:58	05/15/25 22:39	1
Ethyl Parathion	<10.2		10.2	2.24	ug/L		05/13/25 11:58	05/15/25 22:39	1
Famphur	<10.2		10.2	3.88	ug/L		05/13/25 11:58	05/21/25 20:17	1
Fluoranthene	<10.2		10.2	1.73	ug/L		05/13/25 11:58	05/14/25 18:18	1
Fluorene	<10.2		10.2	0.806	ug/L		05/13/25 11:58	05/14/25 18:18	1
Hexachlorobenzene	<10.2		10.2	0.714	ug/L		05/13/25 11:58	05/14/25 18:18	1
Hexachlorobutadiene	<10.2		10.2	0.878	ug/L		05/13/25 11:58	05/14/25 18:18	1
Hexachlorocyclopentadiene	<10.2		10.2	5.20	ug/L		05/13/25 11:58	05/14/25 18:18	1
Hexachloroethane	<10.2		10.2	0.990	ug/L		05/13/25 11:58	05/14/25 18:18	1
Hexachloropropene	<10.2		10.2	2.65	ug/L		05/13/25 11:58	05/15/25 22:39	1
Indeno[1,2,3-cd]pyrene	<10.2		10.2	4.29	ug/L		05/13/25 11:58	05/14/25 18:18	1
Isodrin	<10.2		10.2	4.80	ug/L		05/13/25 11:58	05/15/25 22:39	1
Isophorone	<10.2		10.2	0.949	ug/L		05/13/25 11:58	05/14/25 18:18	1
Isosafrole	<10.2		10.2	2.35	ug/L		05/13/25 11:58	05/15/25 22:39	1
Kepone	<10.2	*+	10.2	1.02	ug/L		05/13/25 11:58	05/15/25 22:39	1
Methapyrilene	<10.2		10.2	0.776	ug/L		05/13/25 11:58	05/15/25 22:39	1
3-Methylcholanthrene	<10.2		10.2	0.327	ug/L		05/13/25 11:58	05/15/25 22:39	1
Methyl methanesulfonate	<10.2		10.2	3.37	ug/L		05/13/25 11:58	05/15/25 22:39	1
2-Methylnaphthalene	<10.2		10.2	0.602	ug/L		05/13/25 11:58	05/14/25 18:18	1
Methyl parathion	<10.2		10.2	2.35	ug/L		05/13/25 11:58	05/15/25 22:39	1
2-Methylphenol	<10.2		10.2	0.663	ug/L		05/13/25 11:58	05/14/25 18:18	1
Methylphenol, 3 & 4	<10.2		10.2	0.714	ug/L		05/13/25 11:58	05/14/25 18:18	1
1,4-Naphthoquinone	<10.2		10.2	3.67	ug/L		05/13/25 11:58	05/15/25 22:39	1
1-Naphthylamine	<10.2		10.2	2.55	ug/L		05/13/25 11:58	05/15/25 22:39	1
2-Naphthylamine	<10.2		10.2	2.14	ug/L		05/13/25 11:58	05/15/25 22:39	1
2-Nitroaniline	<10.2		10.2	6.02	ug/L		05/13/25 11:58	05/14/25 18:18	1
3-Nitroaniline	<10.2		10.2	2.76	ug/L		05/13/25 11:58	05/14/25 18:18	1
4-Nitroaniline	<10.2		10.2	1.33	ug/L		05/13/25 11:58	05/14/25 18:18	1
Nitrobenzene	<10.2		10.2	0.816	ug/L		05/13/25 11:58	05/14/25 18:18	1
5-Nitro-o-toluidine	<10.2		10.2	2.86	ug/L		05/13/25 11:58	05/15/25 22:39	1
2-Nitrophenol	<10.2		10.2	6.94	ug/L		05/13/25 11:58	05/14/25 18:18	1
4-Nitrophenol	<10.2		10.2	7.76	ug/L		05/13/25 11:58	05/14/25 18:18	1

Client Sample ID: MW-24A
Lab Sample ID: 310-306065-5
Date Collected: 05/07/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.2		10.2	3.47	ug/L		05/13/25 11:58	05/15/25 22:39	1
N-Nitrosodimethylamine	<10.2		10.2	0.735	ug/L		05/13/25 11:58	05/14/25 18:18	1
N-Nitrosodi-n-butylamine	<10.2		10.2	3.98	ug/L		05/13/25 11:58	05/15/25 22:39	1
N-Nitrosodi-n-propylamine	<10.2		10.2	0.939	ug/L		05/13/25 11:58	05/14/25 18:18	1
N-Nitrosodiphenylamine	<10.2		10.2	0.765	ug/L		05/13/25 11:58	05/14/25 18:18	1
N-Nitrosomethylethylamine	<10.2		10.2	5.00	ug/L		05/13/25 11:58	05/15/25 22:39	1
N-Nitrosopiperidine	<10.2		10.2	2.76	ug/L		05/13/25 11:58	05/15/25 22:39	1
N-Nitrosopyrrolidine	<10.2		10.2	3.67	ug/L		05/13/25 11:58	05/15/25 22:39	1
o,o',o''-Triethylphosphorothioate	<10.2		10.2	3.27	ug/L		05/13/25 11:58	05/15/25 22:39	1
o-Toluidine	<10.2		10.2	2.96	ug/L		05/13/25 11:58	05/15/25 22:39	1
p-Dimethylamino azobenzene	<10.2		10.2	2.24	ug/L		05/13/25 11:58	05/15/25 22:39	1
Pentachlorobenzene	<10.2		10.2	2.86	ug/L		05/13/25 11:58	05/15/25 22:39	1
Pentachloronitrobenzene	<10.2		10.2	5.92	ug/L		05/13/25 11:58	05/15/25 22:39	1
Pentachlorophenol	<10.2		10.2	9.80	ug/L		05/13/25 11:58	05/14/25 18:18	1
Phenacetin	<10.2		10.2	1.94	ug/L		05/13/25 11:58	05/15/25 22:39	1
Phenanthrene	<10.2		10.2	0.806	ug/L		05/13/25 11:58	05/14/25 18:18	1
Phenol	<10.2		10.2	1.12	ug/L		05/13/25 11:58	05/14/25 18:18	1
1,4-phenylenediamine	<10.2	*-	10.2	1.94	ug/L		05/13/25 11:58	05/15/25 22:39	1
Phorate	<10.2		10.2	3.27	ug/L		05/13/25 11:58	05/15/25 22:39	1
Pronamide	<10.2		10.2	2.76	ug/L		05/13/25 11:58	05/15/25 22:39	1
Pyrene	<10.2		10.2	0.806	ug/L		05/13/25 11:58	05/14/25 18:18	1
Safrole	<10.2		10.2	2.86	ug/L		05/13/25 11:58	05/15/25 22:39	1
1,2,4,5-Tetrachlorobenzene	<10.2		10.2	0.551	ug/L		05/13/25 11:58	05/14/25 18:18	1
2,3,4,6-Tetrachlorophenol	<10.2		10.2	5.41	ug/L		05/13/25 11:58	05/14/25 18:18	1
Thionazin	<10.2		10.2	3.57	ug/L		05/13/25 11:58	05/15/25 22:39	1
2,4,5-Trichlorophenol	<10.2		10.2	5.41	ug/L		05/13/25 11:58	05/14/25 18:18	1
2,4,6-Trichlorophenol	<10.2		10.2	5.10	ug/L		05/13/25 11:58	05/14/25 18:18	1
1,3,5-Trinitrobenzene	<10.2		10.2	2.35	ug/L		05/13/25 11:58	05/15/25 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*39 - 118*	*05/13/25 11:58*	*05/14/25 18:18*	*1*
2-Fluorophenol (Surr)	*47*		*25 - 110*	*05/13/25 11:58*	*05/14/25 18:18*	*1*
Nitrobenzene-d5 (Surr)	*63*		*45 - 129*	*05/13/25 11:58*	*05/14/25 18:18*	*1*
Phenol-d5 (Surr)	*43*		*21 - 110*	*05/13/25 11:58*	*05/14/25 18:18*	*1*
Terphenyl-d14 (Surr)	*61*		*12 - 144*	*05/13/25 11:58*	*05/14/25 18:18*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*27 - 136*	*05/13/25 11:58*	*05/14/25 18:18*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/19/25 12:56	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/19/25 12:56	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0907		0.0907	0.0227	ug/L		05/14/25 12:40	05/14/25 19:17	1
4,4'-DDE	<0.0907		0.0907	0.0272	ug/L		05/14/25 12:40	05/14/25 19:17	1
4,4'-DDT	<0.0907		0.0907	0.0181	ug/L		05/14/25 12:40	05/14/25 19:17	1
Aldrin	<0.0907		0.0907	0.0199	ug/L		05/14/25 12:40	05/14/25 19:17	1
alpha-BHC	<0.0907		0.0907	0.00907	ug/L		05/14/25 12:40	05/14/25 19:17	1
beta-BHC	<0.0907		0.0907	0.0381	ug/L		05/14/25 12:40	05/14/25 19:17	1

Client Sample ID: MW-24A
Lab Sample ID: 310-306065-5
Date Collected: 05/07/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<1.81		1.81	0.354	ug/L		05/14/25 12:40	05/14/25 19:17	1
delta-BHC	<0.0907		0.0907	0.0290	ug/L		05/14/25 12:40	05/14/25 19:17	1
Dieldrin	<0.0907		0.0907	0.0190	ug/L		05/14/25 12:40	05/14/25 19:17	1
Endosulfan I	<0.0907		0.0907	0.0254	ug/L		05/14/25 12:40	05/14/25 19:17	1
Endosulfan II	<0.0907		0.0907	0.0236	ug/L		05/14/25 12:40	05/14/25 19:17	1
Endosulfan sulfate	<0.0907		0.0907	0.0163	ug/L		05/14/25 12:40	05/14/25 19:17	1
Endrin	<0.0907		0.0907	0.0254	ug/L		05/14/25 12:40	05/14/25 19:17	1
Endrin aldehyde	<0.0907		0.0907	0.0245	ug/L		05/14/25 12:40	05/14/25 19:17	1
gamma-BHC (Lindane)	<0.0907		0.0907	0.00907	ug/L		05/14/25 12:40	05/14/25 19:17	1
Heptachlor	<0.0907		0.0907	0.0209	ug/L		05/14/25 12:40	05/14/25 19:17	1
Heptachlor epoxide	<0.0907		0.0907	0.0290	ug/L		05/14/25 12:40	05/14/25 19:17	1
Methoxychlor	<0.0907		0.0907	0.0290	ug/L		05/14/25 12:40	05/14/25 19:17	1
Toxaphene	<1.81		1.81	0.907	ug/L		05/14/25 12:40	05/14/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*49*		*10 - 150*	*05/14/25 12:40*	*05/14/25 19:17*	*1*
Tetrachloro-m-xylene	*60*		*17 - 150*	*05/14/25 12:40*	*05/14/25 19:17*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.81		1.81	0.744	ug/L		05/14/25 12:40	05/14/25 19:17	1
PCB-1221	<1.81		1.81	0.744	ug/L		05/14/25 12:40	05/14/25 19:17	1
PCB-1232	<1.81		1.81	0.744	ug/L		05/14/25 12:40	05/14/25 19:17	1
PCB-1242	<1.81		1.81	0.744	ug/L		05/14/25 12:40	05/14/25 19:17	1
PCB-1248	<1.81		1.81	0.626	ug/L		05/14/25 12:40	05/14/25 19:17	1
PCB-1254	<1.81		1.81	0.626	ug/L		05/14/25 12:40	05/14/25 19:17	1
PCB-1260	<1.81		1.81	0.626	ug/L		05/14/25 12:40	05/14/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*49*		*10 - 150*	*05/14/25 12:40*	*05/14/25 19:17*	*1*
Tetrachloro-m-xylene	*60*		*17 - 150*	*05/14/25 12:40*	*05/14/25 19:17*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.685		0.685	0.285	ug/L		05/14/25 15:21	05/15/25 09:53	1
Silvex (2,4,5-TP)	<0.0571		0.0571	0.0251	ug/L		05/14/25 15:21	05/15/25 09:53	1
2,4,5-T	<0.171		0.171	0.0742	ug/L		05/14/25 15:21	05/15/25 09:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*76*		*34 - 142*	*05/14/25 15:21*	*05/15/25 09:53*	*1*
DCAA	*57*		*34 - 142*	*05/14/25 15:21*	*05/15/25 09:53*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/14/25 09:00	05/15/25 17:26	1
Arsenic	**0.0180**		0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 17:26	1
Barium	**0.350**		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 17:26	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/14/25 09:00	05/15/25 17:26	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/14/25 09:00	05/15/25 17:26	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/14/25 09:00	05/15/25 17:26	1
Cobalt	**0.00394**		0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 17:26	1

Client Sample ID: MW-24A
Lab Sample ID: 310-306065-5
Date Collected: 05/07/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 17:26	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 17:26	1
Nickel	**0.00546**		0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 17:26	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/14/25 09:00	05/15/25 17:26	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/14/25 09:00	05/15/25 17:26	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/14/25 09:00	05/15/25 17:26	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/14/25 09:00	05/15/25 17:26	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/14/25 09:00	05/15/25 17:26	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/14/25 09:00	05/15/25 17:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/16/25 11:31	05/19/25 11:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/19/25 09:47	05/19/25 21:47	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/14/25 00:32	1
Total Suspended Solids (USGS I-3765-85)	**45.5**		7.50	5.25	mg/L			05/13/25 10:13	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Dup-1
Lab Sample ID: 310-306065-6
Date Collected: 05/07/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 15:01	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 15:01	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 15:01	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 15:01	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 15:01	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 15:01	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 15:01	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 15:01	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 15:01	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 15:01	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 15:01	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 15:01	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 15:01	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 15:01	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 15:01	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 15:01	1
Acetone	<10.0		10.0	3.10	ug/L			05/13/25 15:01	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 15:01	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 15:01	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 15:01	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 15:01	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 15:01	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 15:01	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 15:01	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 15:01	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 15:01	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 15:01	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 15:01	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 15:01	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 15:01	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 15:01	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 15:01	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 15:01	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 15:01	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 15:01	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 15:01	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 15:01	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 15:01	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 15:01	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 15:01	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 15:01	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 15:01	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 15:01	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 15:01	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 15:01	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 15:01	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*05/13/25 15:01*	*1*

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Dup-1
Lab Sample ID: 310-306065-6
Date Collected: 05/07/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/13/25 15:01*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/13/25 15:01*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/14/25 09:00	05/15/25 17:29	1
Arsenic	**0.0175**		0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 17:29	1
Barium	**0.351**		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 17:29	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/14/25 09:00	05/15/25 17:29	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/14/25 09:00	05/15/25 17:29	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/14/25 09:00	05/15/25 17:29	1
Cobalt	**0.00305**		0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 17:29	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 17:29	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 17:29	1
Nickel	**0.00244**	**J**	0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 17:29	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/14/25 09:00	05/15/25 17:29	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/14/25 09:00	05/15/25 17:29	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/14/25 09:00	05/15/25 17:29	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/14/25 09:00	05/15/25 17:29	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/14/25 09:00	05/15/25 17:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**54.0**		15.0	10.5	mg/L			05/13/25 10:13	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-216A
Lab Sample ID: 310-306065-7
Date Collected: 05/07/25 12:27
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 15:24	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 15:24	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 15:24	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 15:24	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 15:24	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 15:24	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 15:24	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 15:24	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 15:24	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 15:24	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 15:24	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 15:24	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 15:24	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 15:24	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 15:24	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 15:24	1
Acetone	<10.0		10.0	3.10	ug/L			05/13/25 15:24	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 15:24	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 15:24	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 15:24	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 15:24	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 15:24	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 15:24	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 15:24	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 15:24	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 15:24	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 15:24	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 15:24	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 15:24	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 15:24	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 15:24	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 15:24	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 15:24	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 15:24	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 15:24	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 15:24	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 15:24	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 15:24	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 15:24	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 15:24	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 15:24	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 15:24	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 15:24	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 15:24	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 15:24	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 15:24	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*76 - 130*		*05/13/25 15:24*	*1*

Client Sample ID: MW-216A
Lab Sample ID: 310-306065-7
Date Collected: 05/07/25 12:27
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/13/25 15:24*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/13/25 15:24*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/14/25 09:00	05/15/25 17:32	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 17:32	1
Barium	**0.0555**		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 17:32	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/14/25 09:00	05/15/25 17:32	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/14/25 09:00	05/15/25 17:32	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/14/25 09:00	05/15/25 17:32	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 17:32	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 17:32	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 17:32	1
Nickel	**0.00429**	**J**	0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 17:32	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/14/25 09:00	05/15/25 17:32	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/14/25 09:00	05/15/25 17:32	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/14/25 09:00	05/15/25 17:32	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/14/25 09:00	05/15/25 17:32	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/14/25 09:00	05/15/25 17:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.75**		1.88	1.31	mg/L			05/12/25 20:44	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-217A
Lab Sample ID: 310-306065-8
Date Collected: 05/07/25 12:56
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 15:47	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 15:47	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 15:47	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 15:47	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 15:47	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 15:47	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 15:47	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 15:47	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 15:47	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 15:47	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 15:47	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 15:47	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 15:47	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 15:47	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 15:47	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 15:47	1
Acetone	<10.0		10.0	3.10	ug/L			05/13/25 15:47	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 15:47	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 15:47	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 15:47	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 15:47	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 15:47	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 15:47	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 15:47	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 15:47	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 15:47	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 15:47	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 15:47	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 15:47	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 15:47	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 15:47	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 15:47	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 15:47	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 15:47	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 15:47	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 15:47	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 15:47	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 15:47	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 15:47	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 15:47	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 15:47	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 15:47	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 15:47	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 15:47	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 15:47	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 15:47	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*76 - 130*		*05/13/25 15:47*	*1*

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-217A
Lab Sample ID: 310-306065-8
Date Collected: 05/07/25 12:56
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/13/25 15:47*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/13/25 15:47*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/14/25 09:00	05/15/25 17:35	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 17:35	1
Barium	**0.0927**		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 17:35	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/14/25 09:00	05/15/25 17:35	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/14/25 09:00	05/15/25 17:35	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/14/25 09:00	05/15/25 17:35	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 17:35	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 17:35	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 17:35	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 17:35	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/14/25 09:00	05/15/25 17:35	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/14/25 09:00	05/15/25 17:35	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/14/25 09:00	05/15/25 17:35	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/14/25 09:00	05/15/25 17:35	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/14/25 09:00	05/15/25 17:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			05/12/25 20:44	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-218A
Lab Sample ID: 310-306065-9
Date Collected: 05/07/25 13:30
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 16:09	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 16:09	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 16:09	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 16:09	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 16:09	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 16:09	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 16:09	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 16:09	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 16:09	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 16:09	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 16:09	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 16:09	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 16:09	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 16:09	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 16:09	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 16:09	1
Acetone	<10.0		10.0	3.10	ug/L			05/13/25 16:09	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 16:09	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 16:09	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 16:09	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 16:09	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 16:09	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 16:09	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 16:09	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 16:09	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 16:09	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 16:09	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 16:09	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 16:09	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 16:09	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 16:09	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 16:09	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 16:09	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 16:09	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 16:09	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 16:09	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 16:09	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 16:09	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 16:09	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 16:09	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 16:09	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 16:09	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 16:09	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 16:09	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 16:09	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 16:09	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*115*		*76 - 130*		*05/13/25 16:09*	*1*

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-218A
Lab Sample ID: 310-306065-9
Date Collected: 05/07/25 13:30
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/13/25 16:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/13/25 16:09*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/14/25 09:00	05/15/25 17:40	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 17:40	1
Barium	**0.240**		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 17:40	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/14/25 09:00	05/15/25 17:40	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/14/25 09:00	05/15/25 17:40	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/14/25 09:00	05/15/25 17:40	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 17:40	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 17:40	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 17:40	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 17:40	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/14/25 09:00	05/15/25 17:40	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/14/25 09:00	05/15/25 17:40	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/14/25 09:00	05/15/25 17:40	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/14/25 09:00	05/15/25 17:40	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/14/25 09:00	05/15/25 17:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			05/12/25 20:44	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-1A
Lab Sample ID: 310-306065-10
Date Collected: 05/08/25 07:37
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 16:32	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 16:32	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 16:32	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 16:32	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 16:32	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 16:32	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/13/25 16:32	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 16:32	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/13/25 16:32	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 16:32	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 16:32	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 16:32	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 16:32	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 16:32	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/13/25 16:32	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/13/25 16:32	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 16:32	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/13/25 16:32	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 16:32	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 16:32	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 16:32	1
Acetone	<10.0		10.0	3.10	ug/L			05/13/25 16:32	1
Acrolein	<10.0		10.0	3.60	ug/L			05/13/25 16:32	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 16:32	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/13/25 16:32	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 16:32	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 16:32	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 16:32	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 16:32	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 16:32	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 16:32	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 16:32	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 16:32	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 16:32	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 16:32	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 16:32	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 16:32	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/13/25 16:32	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 16:32	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 16:32	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 16:32	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/13/25 16:32	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/13/25 16:32	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 16:32	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 16:32	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/13/25 16:32	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/13/25 16:32	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 16:32	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/13/25 16:32	1

Client Sample ID: MW-1A
Lab Sample ID: 310-306065-10
Date Collected: 05/08/25 07:37
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/13/25 16:32	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 16:32	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 16:32	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 16:32	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 16:32	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 16:32	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 16:32	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 16:32	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 16:32	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 16:32	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 16:32	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*76 - 130*		*05/13/25 16:32*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/13/25 16:32*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/13/25 16:32*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		05/13/25 11:58	05/15/25 16:26	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		05/13/25 11:58	05/15/25 16:26	1
Acetophenone	<10.0		10.0	0.690	ug/L		05/13/25 11:58	05/15/25 16:26	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		05/13/25 11:58	05/20/25 13:43	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		05/13/25 11:58	05/20/25 13:43	1
Anthracene	<10.0		10.0	0.870	ug/L		05/13/25 11:58	05/15/25 16:26	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		05/13/25 11:58	05/15/25 16:26	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		05/13/25 11:58	05/15/25 16:26	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		05/13/25 11:58	05/15/25 16:26	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		05/13/25 11:58	05/15/25 16:26	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		05/13/25 11:58	05/15/25 16:26	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		05/13/25 11:58	05/15/25 16:26	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		05/13/25 11:58	05/15/25 16:26	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		05/13/25 11:58	05/15/25 16:26	1
bis (2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		05/13/25 11:58	05/15/25 16:26	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		05/13/25 11:58	05/15/25 16:26	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		05/13/25 11:58	05/15/25 16:26	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		05/13/25 11:58	05/15/25 16:26	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		05/13/25 11:58	05/15/25 16:26	1
Chlorobenzilate	<10.0		10.0	3.60	ug/L		05/13/25 11:58	05/20/25 13:43	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		05/13/25 11:58	05/15/25 16:26	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		05/13/25 11:58	05/15/25 16:26	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		05/13/25 11:58	05/20/25 13:43	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		05/13/25 11:58	05/15/25 16:26	1
Chrysene	<10.0		10.0	0.870	ug/L		05/13/25 11:58	05/15/25 16:26	1
Diallate	<10.0		10.0	4.00	ug/L		05/13/25 11:58	05/20/25 13:43	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		05/13/25 11:58	05/15/25 16:26	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		05/13/25 11:58	05/15/25 16:26	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		05/13/25 11:58	05/15/25 16:26	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		05/13/25 11:58	05/15/25 16:26	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-1A
Lab Sample ID: 310-306065-10
Date Collected: 05/08/25 07:37
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		05/13/25 11:58	05/15/25 16:26	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		05/13/25 11:58	05/15/25 16:26	1
Dimethoate	<10.0		10.0	3.60	ug/L		05/13/25 11:58	05/20/25 13:43	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		05/13/25 11:58	05/20/25 13:43	1
3,3'-Dimethylbenzidine	<10.0		10.0	1.50	ug/L		05/13/25 11:58	05/20/25 13:43	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		05/13/25 11:58	05/15/25 16:26	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		05/13/25 11:58	05/15/25 16:26	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		05/13/25 11:58	05/15/25 16:26	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		05/13/25 11:58	05/15/25 16:26	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		05/13/25 11:58	05/15/25 16:26	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		05/13/25 11:58	05/15/25 16:26	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		05/13/25 11:58	05/15/25 16:26	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		05/13/25 11:58	05/15/25 16:26	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		05/13/25 11:58	05/15/25 16:26	1
Dinoseb	<10.0		10.0	2.40	ug/L		05/13/25 11:58	05/20/25 13:43	1
Diphenylamine	<10.0		10.0	6.00	ug/L		05/13/25 11:58	05/15/25 16:26	1
Disulfoton	<10.0		10.0	2.40	ug/L		05/13/25 11:58	05/20/25 13:43	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		05/13/25 11:58	05/20/25 13:43	1
Ethyl Parathion	<10.0		10.0	2.20	ug/L		05/13/25 11:58	05/20/25 13:43	1
Famphur	<10.0		10.0	3.80	ug/L		05/13/25 11:58	05/23/25 03:26	1
Fluoranthene	<10.0		10.0	1.70	ug/L		05/13/25 11:58	05/15/25 16:26	1
Fluorene	<10.0		10.0	0.790	ug/L		05/13/25 11:58	05/15/25 16:26	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		05/13/25 11:58	05/15/25 16:26	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		05/13/25 11:58	05/15/25 16:26	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		05/13/25 11:58	05/15/25 16:26	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		05/13/25 11:58	05/15/25 16:26	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		05/13/25 11:58	05/20/25 13:43	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		05/13/25 11:58	05/15/25 16:26	1
Isodrin	<10.0		10.0	4.70	ug/L		05/13/25 11:58	05/20/25 13:43	1
Isophorone	<10.0		10.0	0.930	ug/L		05/13/25 11:58	05/15/25 16:26	1
Isosafrole	<10.0		10.0	2.30	ug/L		05/13/25 11:58	05/20/25 13:43	1
Kepone	<10.0		10.0	1.00	ug/L		05/13/25 11:58	05/20/25 13:43	1
Methapyrilene	<10.0		10.0	0.760	ug/L		05/13/25 11:58	05/20/25 13:43	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		05/13/25 11:58	05/20/25 13:43	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		05/13/25 11:58	05/20/25 13:43	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		05/13/25 11:58	05/15/25 16:26	1
Methyl parathion	<10.0		10.0	2.30	ug/L		05/13/25 11:58	05/20/25 13:43	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		05/13/25 11:58	05/15/25 16:26	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		05/13/25 11:58	05/15/25 16:26	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		05/13/25 11:58	05/20/25 13:43	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		05/13/25 11:58	05/20/25 13:43	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		05/13/25 11:58	05/20/25 13:43	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		05/13/25 11:58	05/15/25 16:26	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		05/13/25 11:58	05/15/25 16:26	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		05/13/25 11:58	05/15/25 16:26	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		05/13/25 11:58	05/15/25 16:26	1
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		05/13/25 11:58	05/20/25 13:43	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		05/13/25 11:58	05/15/25 16:26	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		05/13/25 11:58	05/15/25 16:26	1

Client Sample ID: MW-1A
Lab Sample ID: 310-306065-10
Date Collected: 05/08/25 07:37
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		05/13/25 11:58	05/20/25 13:43	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		05/13/25 11:58	05/15/25 16:26	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		05/13/25 11:58	05/20/25 13:43	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		05/13/25 11:58	05/15/25 16:26	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		05/13/25 11:58	05/15/25 16:26	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		05/13/25 11:58	05/20/25 13:43	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		05/13/25 11:58	05/20/25 13:43	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		05/13/25 11:58	05/20/25 13:43	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		05/13/25 11:58	05/20/25 13:43	1
o-Toluidine	<10.0		10.0	2.90	ug/L		05/13/25 11:58	05/20/25 13:43	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		05/13/25 11:58	05/20/25 13:43	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		05/13/25 11:58	05/20/25 13:43	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		05/13/25 11:58	05/20/25 13:43	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		05/13/25 11:58	05/15/25 16:26	1
Phenacetin	<10.0		10.0	1.90	ug/L		05/13/25 11:58	05/20/25 13:43	1
Phenanthrene	<10.0		10.0	0.790	ug/L		05/13/25 11:58	05/15/25 16:26	1
Phenol	<10.0		10.0	1.10	ug/L		05/13/25 11:58	05/15/25 16:26	1
1,4-phenylenediamine	<10.0		10.0	1.90	ug/L		05/13/25 11:58	05/20/25 13:43	1
Phorate	<10.0		10.0	3.20	ug/L		05/13/25 11:58	05/20/25 13:43	1
Pronamide	<10.0		10.0	2.70	ug/L		05/13/25 11:58	05/20/25 13:43	1
Pyrene	<10.0		10.0	0.790	ug/L		05/13/25 11:58	05/15/25 16:26	1
Safrole	<10.0		10.0	2.80	ug/L		05/13/25 11:58	05/20/25 13:43	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		05/13/25 11:58	05/15/25 16:26	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		05/13/25 11:58	05/15/25 16:26	1
Thionazin	<10.0		10.0	3.50	ug/L		05/13/25 11:58	05/20/25 13:43	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		05/13/25 11:58	05/15/25 16:26	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		05/13/25 11:58	05/15/25 16:26	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		05/13/25 11:58	05/20/25 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*101*		*39 - 118*	*05/13/25 11:58*	*05/15/25 16:26*	*1*
2-Fluorobiphenyl (Surr)	*95*		*39 - 118*	*05/13/25 11:58*	*05/20/25 13:43*	*1*
2-Fluorophenol (Surr)	*67*		*25 - 110*	*05/13/25 11:58*	*05/15/25 16:26*	*1*
2-Fluorophenol (Surr)	*69*		*25 - 110*	*05/13/25 11:58*	*05/20/25 13:43*	*1*
Nitrobenzene-d5 (Surr)	*89*		*45 - 129*	*05/13/25 11:58*	*05/15/25 16:26*	*1*
Nitrobenzene-d5 (Surr)	*89*		*45 - 129*	*05/13/25 11:58*	*05/20/25 13:43*	*1*
Phenol-d5 (Surr)	*61*		*21 - 110*	*05/13/25 11:58*	*05/15/25 16:26*	*1*
Phenol-d5 (Surr)	*63*		*21 - 110*	*05/13/25 11:58*	*05/20/25 13:43*	*1*
Terphenyl-d14 (Surr)	*80*		*12 - 144*	*05/13/25 11:58*	*05/15/25 16:26*	*1*
Terphenyl-d14 (Surr)	*101*		*12 - 144*	*05/13/25 11:58*	*05/20/25 13:43*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*27 - 136*	*05/13/25 11:58*	*05/15/25 16:26*	*1*
2,4,6-Tribromophenol (Surr)	*123*		*27 - 136*	*05/13/25 11:58*	*05/20/25 13:43*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/19/25 13:16	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/19/25 13:16	1

Client Sample ID: MW-1A
Lab Sample ID: 310-306065-10
Date Collected: 05/08/25 07:37
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0911		0.0911	0.0228	ug/L		05/14/25 12:40	05/14/25 19:30	1
4,4'-DDE	<0.0911		0.0911	0.0273	ug/L		05/14/25 12:40	05/14/25 19:30	1
4,4'-DDT	<0.0911		0.0911	0.0182	ug/L		05/14/25 12:40	05/14/25 19:30	1
Aldrin	<0.0911		0.0911	0.0201	ug/L		05/14/25 12:40	05/14/25 19:30	1
alpha-BHC	<0.0911		0.0911	0.00911	ug/L		05/14/25 12:40	05/14/25 19:30	1
beta-BHC	<0.0911		0.0911	0.0383	ug/L		05/14/25 12:40	05/14/25 19:30	1
Chlordane (technical)	<1.82		1.82	0.355	ug/L		05/14/25 12:40	05/14/25 19:30	1
delta-BHC	<0.0911		0.0911	0.0292	ug/L		05/14/25 12:40	05/14/25 19:30	1
Dieldrin	<0.0911		0.0911	0.0191	ug/L		05/14/25 12:40	05/14/25 19:30	1
Endosulfan I	<0.0911		0.0911	0.0255	ug/L		05/14/25 12:40	05/14/25 19:30	1
Endosulfan II	<0.0911		0.0911	0.0237	ug/L		05/14/25 12:40	05/14/25 19:30	1
Endosulfan sulfate	<0.0911		0.0911	0.0164	ug/L		05/14/25 12:40	05/14/25 19:30	1
Endrin	<0.0911		0.0911	0.0255	ug/L		05/14/25 12:40	05/14/25 19:30	1
Endrin aldehyde	<0.0911		0.0911	0.0246	ug/L		05/14/25 12:40	05/14/25 19:30	1
gamma-BHC (Lindane)	<0.0911		0.0911	0.00911	ug/L		05/14/25 12:40	05/14/25 19:30	1
Heptachlor	<0.0911		0.0911	0.0210	ug/L		05/14/25 12:40	05/14/25 19:30	1
Heptachlor epoxide	<0.0911		0.0911	0.0292	ug/L		05/14/25 12:40	05/14/25 19:30	1
Methoxychlor	<0.0911		0.0911	0.0292	ug/L		05/14/25 12:40	05/14/25 19:30	1
Toxaphene	<1.82		1.82	0.911	ug/L		05/14/25 12:40	05/14/25 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*53*		*10 - 150*	*05/14/25 12:40*	*05/14/25 19:30*	*1*
Tetrachloro-m-xylene	*55*		*17 - 150*	*05/14/25 12:40*	*05/14/25 19:30*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.82		1.82	0.747	ug/L		05/14/25 12:40	05/14/25 19:30	1
PCB-1221	<1.82		1.82	0.747	ug/L		05/14/25 12:40	05/14/25 19:30	1
PCB-1232	<1.82		1.82	0.747	ug/L		05/14/25 12:40	05/14/25 19:30	1
PCB-1242	<1.82		1.82	0.747	ug/L		05/14/25 12:40	05/14/25 19:30	1
PCB-1248	<1.82		1.82	0.629	ug/L		05/14/25 12:40	05/14/25 19:30	1
PCB-1254	<1.82		1.82	0.629	ug/L		05/14/25 12:40	05/14/25 19:30	1
PCB-1260	<1.82		1.82	0.629	ug/L		05/14/25 12:40	05/14/25 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*53*		*10 - 150*	*05/14/25 12:40*	*05/14/25 19:30*	*1*
Tetrachloro-m-xylene	*55*		*17 - 150*	*05/14/25 12:40*	*05/14/25 19:30*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.631		0.631	0.263	ug/L		05/14/25 15:21	05/15/25 10:21	1
Silvex (2,4,5-TP)	<0.0526		0.0526	0.0231	ug/L		05/14/25 15:21	05/15/25 10:21	1
2,4,5-T	<0.158		0.158	0.0684	ug/L		05/14/25 15:21	05/15/25 10:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*54*		*34 - 142*	*05/14/25 15:21*	*05/15/25 10:21*	*1*
DCAA	*51*		*34 - 142*	*05/14/25 15:21*	*05/15/25 10:21*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200		0.200	0.0780	mg/L			05/09/25 22:15	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-1A
Lab Sample ID: 310-306065-10
Date Collected: 05/08/25 07:37
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 9056A - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**252**		20.0	8.40	mg/L			05/12/25 11:25	20

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/14/25 09:00	05/15/25 17:43	1
Arsenic	**0.0146**		0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 17:43	1
Barium	**0.0909**		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 17:43	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/14/25 09:00	05/15/25 17:43	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/14/25 09:00	05/15/25 17:43	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/14/25 09:00	05/15/25 17:43	1
Cobalt	**0.00789**		0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 17:43	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 17:43	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 17:43	1
Nickel	**0.00699**		0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 17:43	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/14/25 09:00	05/15/25 17:43	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/14/25 09:00	05/15/25 17:43	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/14/25 09:00	05/15/25 17:43	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/14/25 09:00	05/15/25 17:43	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/14/25 09:00	05/15/25 17:43	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/14/25 09:00	05/15/25 17:43	1
Iron	**12.8**		0.100	0.0500	mg/L		05/14/25 09:00	05/15/25 17:43	1
Manganese	**4.43**		0.0100	0.00360	mg/L		05/14/25 09:00	05/15/25 17:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/16/25 11:31	05/19/25 11:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/19/25 09:47	05/19/25 21:47	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/14/25 00:36	1
Total Organic Carbon (SW846 9060A)	**7.23**		1.00	0.500	mg/L			05/16/25 02:01	1
Total Suspended Solids (USGS I-3765-85)	**87.0**		15.0	10.5	mg/L			05/14/25 09:45	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-2A-97
Lab Sample ID: 310-306065-11
Date Collected: 05/08/25 08:52
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 16:55	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 16:55	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 16:55	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 16:55	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 16:55	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 16:55	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/13/25 16:55	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 16:55	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/13/25 16:55	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 16:55	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 16:55	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 16:55	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 16:55	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 16:55	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/13/25 16:55	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/13/25 16:55	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 16:55	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/13/25 16:55	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 16:55	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 16:55	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 16:55	1
Acetone	<10.0		10.0	3.10	ug/L			05/13/25 16:55	1
Acrolein	<10.0		10.0	3.60	ug/L			05/13/25 16:55	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 16:55	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/13/25 16:55	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 16:55	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 16:55	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 16:55	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 16:55	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 16:55	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 16:55	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 16:55	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 16:55	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 16:55	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 16:55	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 16:55	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 16:55	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/13/25 16:55	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 16:55	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 16:55	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 16:55	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/13/25 16:55	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/13/25 16:55	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 16:55	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 16:55	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/13/25 16:55	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/13/25 16:55	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 16:55	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/13/25 16:55	1

Client Sample ID: MW-2A-97
Lab Sample ID: 310-306065-11
Date Collected: 05/08/25 08:52
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/13/25 16:55	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 16:55	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 16:55	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 16:55	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 16:55	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 16:55	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 16:55	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 16:55	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 16:55	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 16:55	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 16:55	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*05/13/25 16:55*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/13/25 16:55*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/13/25 16:55*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.9		10.9	0.696	ug/L		05/13/25 11:58	05/15/25 16:56	1
Acenaphthylene	<10.9		10.9	0.783	ug/L		05/13/25 11:58	05/15/25 16:56	1
Acetophenone	<10.9		10.9	0.750	ug/L		05/13/25 11:58	05/15/25 16:56	1
2-Acetylaminofluorene	<10.9		10.9	2.93	ug/L		05/13/25 11:58	05/20/25 14:10	1
4-Aminobiphenyl	<10.9		10.9	2.39	ug/L		05/13/25 11:58	05/20/25 14:10	1
Anthracene	<10.9		10.9	0.946	ug/L		05/13/25 11:58	05/15/25 16:56	1
Benzo[a]anthracene	<10.9		10.9	0.924	ug/L		05/13/25 11:58	05/15/25 16:56	1
Benzo[a]pyrene	<10.9		10.9	8.80	ug/L		05/13/25 11:58	05/15/25 16:56	1
Benzo[b]fluoranthene	<10.9		10.9	5.33	ug/L		05/13/25 11:58	05/15/25 16:56	1
Benzo[g,h,i]perylene	<10.9		10.9	6.85	ug/L		05/13/25 11:58	05/15/25 16:56	1
Benzo[k]fluoranthene	<10.9		10.9	2.39	ug/L		05/13/25 11:58	05/15/25 16:56	1
Benzyl alcohol	<10.9		10.9	1.41	ug/L		05/13/25 11:58	05/15/25 16:56	1
Bis(2-chloroethoxy)methane	<10.9		10.9	0.826	ug/L		05/13/25 11:58	05/15/25 16:56	1
Bis(2-chloroethyl)ether	<10.9		10.9	0.891	ug/L		05/13/25 11:58	05/15/25 16:56	1
bis (2-chloroisopropyl) ether	<10.9		10.9	0.587	ug/L		05/13/25 11:58	05/15/25 16:56	1
Bis(2-ethylhexyl) phthalate	<10.9		10.9	5.98	ug/L		05/13/25 11:58	05/15/25 16:56	1
4-Bromophenyl phenyl ether	<10.9		10.9	0.761	ug/L		05/13/25 11:58	05/15/25 16:56	1
Butyl benzyl phthalate	<10.9		10.9	5.87	ug/L		05/13/25 11:58	05/15/25 16:56	1
4-Chloroaniline	<10.9		10.9	0.674	ug/L		05/13/25 11:58	05/15/25 16:56	1
Chlorobenzilate	<10.9		10.9	3.91	ug/L		05/13/25 11:58	05/20/25 14:10	1
4-Chloro-3-methylphenol	<10.9		10.9	0.913	ug/L		05/13/25 11:58	05/15/25 16:56	1
2-Chloronaphthalene	<10.9		10.9	0.696	ug/L		05/13/25 11:58	05/15/25 16:56	1
2-Chlorophenol	<10.9		10.9	0.587	ug/L		05/13/25 11:58	05/20/25 14:10	1
4-Chlorophenyl phenyl ether	<10.9		10.9	0.750	ug/L		05/13/25 11:58	05/15/25 16:56	1
Chrysene	<10.9		10.9	0.946	ug/L		05/13/25 11:58	05/15/25 16:56	1
Diallate	<10.9		10.9	4.35	ug/L		05/13/25 11:58	05/20/25 14:10	1
Dibenzo(a,h)anthracene	<10.9		10.9	4.24	ug/L		05/13/25 11:58	05/15/25 16:56	1
Dibenzofuran	<10.9		10.9	0.804	ug/L		05/13/25 11:58	05/15/25 16:56	1
3,3'-Dichlorobenzidine	<10.9		10.9	1.52	ug/L		05/13/25 11:58	05/15/25 16:56	1
2,4-Dichlorophenol	<10.9		10.9	0.924	ug/L		05/13/25 11:58	05/15/25 16:56	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-2A-97
Lab Sample ID: 310-306065-11
Date Collected: 05/08/25 08:52
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.9		10.9	0.750	ug/L		05/13/25 11:58	05/15/25 16:56	1
Diethyl phthalate	<10.9		10.9	1.85	ug/L		05/13/25 11:58	05/15/25 16:56	1
Dimethoate	<10.9		10.9	3.91	ug/L		05/13/25 11:58	05/20/25 14:10	1
7,12-Dimethylbenz(a)anthracene	<10.9		10.9	2.07	ug/L		05/13/25 11:58	05/20/25 14:10	1
3,3'-Dimethylbenzidine	<10.9		10.9	1.63	ug/L		05/13/25 11:58	05/20/25 14:10	1
2,4-Dimethylphenol	<10.9		10.9	0.630	ug/L		05/13/25 11:58	05/15/25 16:56	1
Dimethyl phthalate	<10.9		10.9	1.09	ug/L		05/13/25 11:58	05/15/25 16:56	1
Di-n-butyl phthalate	<10.9		10.9	6.09	ug/L		05/13/25 11:58	05/15/25 16:56	1
1,3-Dinitrobenzene	<10.9		10.9	3.48	ug/L		05/13/25 11:58	05/15/25 16:56	1
4,6-Dinitro-2-methylphenol	<10.9		10.9	7.50	ug/L		05/13/25 11:58	05/15/25 16:56	1
2,4-Dinitrophenol	<21.7		21.7	14.1	ug/L		05/13/25 11:58	05/15/25 16:56	1
2,4-Dinitrotoluene	<10.9		10.9	6.96	ug/L		05/13/25 11:58	05/15/25 16:56	1
2,6-Dinitrotoluene	<10.9		10.9	0.565	ug/L		05/13/25 11:58	05/15/25 16:56	1
Di-n-octyl phthalate	<21.7		21.7	7.61	ug/L		05/13/25 11:58	05/15/25 16:56	1
Dinoseb	<10.9		10.9	2.61	ug/L		05/13/25 11:58	05/20/25 14:10	1
Diphenylamine	<10.9		10.9	6.52	ug/L		05/13/25 11:58	05/15/25 16:56	1
Disulfoton	<10.9		10.9	2.61	ug/L		05/13/25 11:58	05/20/25 14:10	1
Ethyl methanesulfonate	<10.9		10.9	3.91	ug/L		05/13/25 11:58	05/20/25 14:10	1
Ethyl Parathion	<10.9		10.9	2.39	ug/L		05/13/25 11:58	05/20/25 14:10	1
Famphur	<10.9		10.9	4.13	ug/L		05/13/25 11:58	05/23/25 03:45	1
Fluoranthene	<10.9		10.9	1.85	ug/L		05/13/25 11:58	05/15/25 16:56	1
Fluorene	<10.9		10.9	0.859	ug/L		05/13/25 11:58	05/15/25 16:56	1
Hexachlorobenzene	<10.9		10.9	0.761	ug/L		05/13/25 11:58	05/15/25 16:56	1
Hexachlorobutadiene	<10.9		10.9	0.935	ug/L		05/13/25 11:58	05/15/25 16:56	1
Hexachlorocyclopentadiene	<10.9		10.9	5.54	ug/L		05/13/25 11:58	05/15/25 16:56	1
Hexachloroethane	<10.9		10.9	1.05	ug/L		05/13/25 11:58	05/15/25 16:56	1
Hexachloropropene	<10.9		10.9	2.83	ug/L		05/13/25 11:58	05/20/25 14:10	1
Indeno[1,2,3-cd]pyrene	<10.9		10.9	4.57	ug/L		05/13/25 11:58	05/15/25 16:56	1
Isodrin	<10.9		10.9	5.11	ug/L		05/13/25 11:58	05/20/25 14:10	1
Isophorone	<10.9		10.9	1.01	ug/L		05/13/25 11:58	05/15/25 16:56	1
Isosafrole	<10.9		10.9	2.50	ug/L		05/13/25 11:58	05/20/25 14:10	1
Kepone	<10.9		10.9	1.09	ug/L		05/13/25 11:58	05/20/25 14:10	1
Methapyrilene	<10.9		10.9	0.826	ug/L		05/13/25 11:58	05/20/25 14:10	1
3-Methylcholanthrene	<10.9		10.9	0.348	ug/L		05/13/25 11:58	05/20/25 14:10	1
Methyl methanesulfonate	<10.9		10.9	3.59	ug/L		05/13/25 11:58	05/20/25 14:10	1
2-Methylnaphthalene	<10.9		10.9	0.641	ug/L		05/13/25 11:58	05/15/25 16:56	1
Methyl parathion	<10.9		10.9	2.50	ug/L		05/13/25 11:58	05/20/25 14:10	1
2-Methylphenol	<10.9		10.9	0.707	ug/L		05/13/25 11:58	05/15/25 16:56	1
Methylphenol, 3 & 4	<10.9		10.9	0.761	ug/L		05/13/25 11:58	05/15/25 16:56	1
1,4-Naphthoquinone	<10.9		10.9	3.91	ug/L		05/13/25 11:58	05/20/25 14:10	1
1-Naphthylamine	<10.9		10.9	2.72	ug/L		05/13/25 11:58	05/20/25 14:10	1
2-Naphthylamine	<10.9		10.9	2.28	ug/L		05/13/25 11:58	05/20/25 14:10	1
2-Nitroaniline	<10.9		10.9	6.41	ug/L		05/13/25 11:58	05/15/25 16:56	1
3-Nitroaniline	<10.9		10.9	2.93	ug/L		05/13/25 11:58	05/15/25 16:56	1
4-Nitroaniline	<10.9		10.9	1.41	ug/L		05/13/25 11:58	05/15/25 16:56	1
Nitrobenzene	<10.9		10.9	0.870	ug/L		05/13/25 11:58	05/15/25 16:56	1
5-Nitro-o-toluidine	<10.9		10.9	3.04	ug/L		05/13/25 11:58	05/20/25 14:10	1
2-Nitrophenol	<10.9		10.9	7.39	ug/L		05/13/25 11:58	05/15/25 16:56	1
4-Nitrophenol	<10.9		10.9	8.26	ug/L		05/13/25 11:58	05/15/25 16:56	1

Client Sample ID: MW-2A-97
Lab Sample ID: 310-306065-11
Date Collected: 05/08/25 08:52
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.9		10.9	3.70	ug/L		05/13/25 11:58	05/20/25 14:10	1
N-Nitrosodimethylamine	<10.9		10.9	0.783	ug/L		05/13/25 11:58	05/15/25 16:56	1
N-Nitrosodi-n-butylamine	<10.9		10.9	4.24	ug/L		05/13/25 11:58	05/20/25 14:10	1
N-Nitrosodi-n-propylamine	<10.9		10.9	1.00	ug/L		05/13/25 11:58	05/15/25 16:56	1
N-Nitrosodiphenylamine	<10.9		10.9	0.815	ug/L		05/13/25 11:58	05/15/25 16:56	1
N-Nitrosomethylethylamine	<10.9		10.9	5.33	ug/L		05/13/25 11:58	05/20/25 14:10	1
N-Nitrosopiperidine	<10.9		10.9	2.93	ug/L		05/13/25 11:58	05/20/25 14:10	1
N-Nitrosopyrrolidine	<10.9		10.9	3.91	ug/L		05/13/25 11:58	05/20/25 14:10	1
o,o',o''-Triethylphosphorothioate	<10.9		10.9	3.48	ug/L		05/13/25 11:58	05/20/25 14:10	1
o-Toluidine	<10.9		10.9	3.15	ug/L		05/13/25 11:58	05/20/25 14:10	1
p-Dimethylamino azobenzene	<10.9		10.9	2.39	ug/L		05/13/25 11:58	05/20/25 14:10	1
Pentachlorobenzene	<10.9		10.9	3.04	ug/L		05/13/25 11:58	05/20/25 14:10	1
Pentachloronitrobenzene	<10.9		10.9	6.30	ug/L		05/13/25 11:58	05/20/25 14:10	1
Pentachlorophenol	<10.9		10.9	10.4	ug/L		05/13/25 11:58	05/15/25 16:56	1
Phenacetin	<10.9		10.9	2.07	ug/L		05/13/25 11:58	05/20/25 14:10	1
Phenanthrene	<10.9		10.9	0.859	ug/L		05/13/25 11:58	05/15/25 16:56	1
Phenol	<10.9		10.9	1.20	ug/L		05/13/25 11:58	05/15/25 16:56	1
1,4-phenylenediamine	<10.9		10.9	2.07	ug/L		05/13/25 11:58	05/20/25 14:10	1
Phorate	<10.9		10.9	3.48	ug/L		05/13/25 11:58	05/20/25 14:10	1
Pronamide	<10.9		10.9	2.93	ug/L		05/13/25 11:58	05/20/25 14:10	1
Pyrene	<10.9		10.9	0.859	ug/L		05/13/25 11:58	05/15/25 16:56	1
Safrole	<10.9		10.9	3.04	ug/L		05/13/25 11:58	05/20/25 14:10	1
1,2,4,5-Tetrachlorobenzene	<10.9		10.9	0.587	ug/L		05/13/25 11:58	05/15/25 16:56	1
2,3,4,6-Tetrachlorophenol	<10.9		10.9	5.76	ug/L		05/13/25 11:58	05/15/25 16:56	1
Thionazin	<10.9		10.9	3.80	ug/L		05/13/25 11:58	05/20/25 14:10	1
2,4,5-Trichlorophenol	<10.9		10.9	5.76	ug/L		05/13/25 11:58	05/15/25 16:56	1
2,4,6-Trichlorophenol	<10.9		10.9	5.43	ug/L		05/13/25 11:58	05/15/25 16:56	1
1,3,5-Trinitrobenzene	<10.9		10.9	2.50	ug/L		05/13/25 11:58	05/20/25 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*88*		*39 - 118*	*05/13/25 11:58*	*05/15/25 16:56*	*1*
2-Fluorobiphenyl (Surr)	*88*		*39 - 118*	*05/13/25 11:58*	*05/20/25 14:10*	*1*
2-Fluorophenol (Surr)	*60*		*25 - 110*	*05/13/25 11:58*	*05/15/25 16:56*	*1*
2-Fluorophenol (Surr)	*63*		*25 - 110*	*05/13/25 11:58*	*05/20/25 14:10*	*1*
Nitrobenzene-d5 (Surr)	*76*		*45 - 129*	*05/13/25 11:58*	*05/15/25 16:56*	*1*
Nitrobenzene-d5 (Surr)	*81*		*45 - 129*	*05/13/25 11:58*	*05/20/25 14:10*	*1*
Phenol-d5 (Surr)	*54*		*21 - 110*	*05/13/25 11:58*	*05/15/25 16:56*	*1*
Phenol-d5 (Surr)	*57*		*21 - 110*	*05/13/25 11:58*	*05/20/25 14:10*	*1*
Terphenyl-d14 (Surr)	*73*		*12 - 144*	*05/13/25 11:58*	*05/15/25 16:56*	*1*
Terphenyl-d14 (Surr)	*95*		*12 - 144*	*05/13/25 11:58*	*05/20/25 14:10*	*1*
2,4,6-Tribromophenol (Surr)	*70*		*27 - 136*	*05/13/25 11:58*	*05/15/25 16:56*	*1*
2,4,6-Tribromophenol (Surr)	*114*		*27 - 136*	*05/13/25 11:58*	*05/20/25 14:10*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/19/25 13:36	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/19/25 13:36	1

Client Sample ID: MW-2A-97
Lab Sample ID: 310-306065-11
Date Collected: 05/08/25 08:52
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0902		0.0902	0.0226	ug/L		05/14/25 12:40	05/14/25 19:43	1
4,4'-DDE	<0.0902		0.0902	0.0271	ug/L		05/14/25 12:40	05/14/25 19:43	1
4,4'-DDT	<0.0902		0.0902	0.0180	ug/L		05/14/25 12:40	05/14/25 19:43	1
Aldrin	<0.0902		0.0902	0.0198	ug/L		05/14/25 12:40	05/14/25 19:43	1
alpha-BHC	<0.0902		0.0902	0.00902	ug/L		05/14/25 12:40	05/14/25 19:43	1
beta-BHC	<0.0902		0.0902	0.0379	ug/L		05/14/25 12:40	05/14/25 19:43	1
Chlordane (technical)	<1.80		1.80	0.352	ug/L		05/14/25 12:40	05/14/25 19:43	1
delta-BHC	<0.0902		0.0902	0.0289	ug/L		05/14/25 12:40	05/14/25 19:43	1
Dieldrin	<0.0902		0.0902	0.0189	ug/L		05/14/25 12:40	05/14/25 19:43	1
Endosulfan I	<0.0902		0.0902	0.0253	ug/L		05/14/25 12:40	05/14/25 19:43	1
Endosulfan II	<0.0902		0.0902	0.0235	ug/L		05/14/25 12:40	05/14/25 19:43	1
Endosulfan sulfate	<0.0902		0.0902	0.0162	ug/L		05/14/25 12:40	05/14/25 19:43	1
Endrin	<0.0902		0.0902	0.0253	ug/L		05/14/25 12:40	05/14/25 19:43	1
Endrin aldehyde	<0.0902		0.0902	0.0244	ug/L		05/14/25 12:40	05/14/25 19:43	1
gamma-BHC (Lindane)	<0.0902		0.0902	0.00902	ug/L		05/14/25 12:40	05/14/25 19:43	1
Heptachlor	<0.0902		0.0902	0.0207	ug/L		05/14/25 12:40	05/14/25 19:43	1
Heptachlor epoxide	<0.0902		0.0902	0.0289	ug/L		05/14/25 12:40	05/14/25 19:43	1
Methoxychlor	<0.0902		0.0902	0.0289	ug/L		05/14/25 12:40	05/14/25 19:43	1
Toxaphene	<1.80		1.80	0.902	ug/L		05/14/25 12:40	05/14/25 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*54*		*10 - 150*	*05/14/25 12:40*	*05/14/25 19:43*	*1*
Tetrachloro-m-xylene	*69*		*17 - 150*	*05/14/25 12:40*	*05/14/25 19:43*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.80		1.80	0.740	ug/L		05/14/25 12:40	05/14/25 19:43	1
PCB-1221	<1.80		1.80	0.740	ug/L		05/14/25 12:40	05/14/25 19:43	1
PCB-1232	<1.80		1.80	0.740	ug/L		05/14/25 12:40	05/14/25 19:43	1
PCB-1242	<1.80		1.80	0.740	ug/L		05/14/25 12:40	05/14/25 19:43	1
PCB-1248	<1.80		1.80	0.622	ug/L		05/14/25 12:40	05/14/25 19:43	1
PCB-1254	<1.80		1.80	0.622	ug/L		05/14/25 12:40	05/14/25 19:43	1
PCB-1260	<1.80		1.80	0.622	ug/L		05/14/25 12:40	05/14/25 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*54*		*10 - 150*	*05/14/25 12:40*	*05/14/25 19:43*	*1*
Tetrachloro-m-xylene	*69*		*17 - 150*	*05/14/25 12:40*	*05/14/25 19:43*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.650		0.650	0.271	ug/L		05/14/25 15:21	05/15/25 10:49	1
Silvex (2,4,5-TP)	<0.0541		0.0541	0.0238	ug/L		05/14/25 15:21	05/15/25 10:49	1
2,4,5-T	<0.162		0.162	0.0704	ug/L		05/14/25 15:21	05/15/25 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*53*		*34 - 142*	*05/14/25 15:21*	*05/15/25 10:49*	*1*
DCAA	*54*		*34 - 142*	*05/14/25 15:21*	*05/15/25 10:49*	*1*

Method: SW846 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200		0.200	0.0780	mg/L			05/09/25 22:54	1

Client Sample ID: MW-2A-97
Lab Sample ID: 310-306065-11
Date Collected: 05/08/25 08:52
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 9056A - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**91.0**		1.00	0.420	mg/L			05/09/25 22:54	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/14/25 09:00	05/15/25 17:45	1
Arsenic	**0.00232**		0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 17:45	1
Barium	**0.197**		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 17:45	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/14/25 09:00	05/15/25 17:45	1
Cadmium	**0.000123**	**J**	0.000200	0.000100	mg/L		05/14/25 09:00	05/15/25 17:45	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/14/25 09:00	05/15/25 17:45	1
Cobalt	**0.0115**		0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 17:45	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 17:45	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 17:45	1
Nickel	**0.0157**		0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 17:45	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/14/25 09:00	05/15/25 17:45	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/14/25 09:00	05/15/25 17:45	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/14/25 09:00	05/15/25 17:45	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/14/25 09:00	05/15/25 17:45	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/14/25 09:00	05/15/25 17:45	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/14/25 09:00	05/15/25 17:45	1
Iron	**2.79**		0.100	0.0500	mg/L		05/14/25 09:00	05/15/25 17:45	1
Manganese	**7.40**		0.0100	0.00360	mg/L		05/14/25 09:00	05/15/25 17:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/16/25 11:31	05/19/25 11:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/20/25 10:08	05/20/25 18:14	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/14/25 00:40	1
Total Organic Carbon (SW846 9060A)	**7.38**		1.00	0.500	mg/L			05/16/25 02:38	1
Total Suspended Solids (USGS I-3765-85)	**8.33**		5.00	3.50	mg/L			05/14/25 09:45	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-25A-00
Lab Sample ID: 310-306065-12
Date Collected: 05/08/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 17:17	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 17:17	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 17:17	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 17:17	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 17:17	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 17:17	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/13/25 17:17	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 17:17	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/13/25 17:17	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 17:17	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 17:17	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 17:17	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 17:17	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 17:17	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/13/25 17:17	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/13/25 17:17	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 17:17	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/13/25 17:17	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 17:17	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 17:17	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 17:17	1
Acetone	<10.0		10.0	3.10	ug/L			05/13/25 17:17	1
Acrolein	<10.0		10.0	3.60	ug/L			05/13/25 17:17	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 17:17	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/13/25 17:17	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 17:17	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 17:17	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 17:17	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 17:17	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 17:17	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 17:17	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 17:17	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 17:17	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 17:17	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 17:17	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 17:17	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 17:17	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/13/25 17:17	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 17:17	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 17:17	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 17:17	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/13/25 17:17	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/13/25 17:17	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 17:17	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 17:17	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/13/25 17:17	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/13/25 17:17	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 17:17	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/13/25 17:17	1

Client Sample ID: MW-25A-00
Lab Sample ID: 310-306065-12
Date Collected: 05/08/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/13/25 17:17	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 17:17	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 17:17	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 17:17	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 17:17	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 17:17	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 17:17	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 17:17	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 17:17	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 17:17	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 17:17	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*76 - 130*		*05/13/25 17:17*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/13/25 17:17*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/13/25 17:17*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.6		10.6	0.681	ug/L		05/13/25 11:58	05/15/25 17:26	1
Acenaphthylene	<10.6		10.6	0.766	ug/L		05/13/25 11:58	05/15/25 17:26	1
Acetophenone	<10.6		10.6	0.734	ug/L		05/13/25 11:58	05/15/25 17:26	1
2-Acetylaminofluorene	<10.6		10.6	2.87	ug/L		05/13/25 11:58	05/20/25 14:36	1
4-Aminobiphenyl	<10.6		10.6	2.34	ug/L		05/13/25 11:58	05/20/25 14:36	1
Anthracene	<10.6		10.6	0.926	ug/L		05/13/25 11:58	05/15/25 17:26	1
Benzo[a]anthracene	<10.6		10.6	0.904	ug/L		05/13/25 11:58	05/15/25 17:26	1
Benzo[a]pyrene	<10.6		10.6	8.62	ug/L		05/13/25 11:58	05/15/25 17:26	1
Benzo[b]fluoranthene	<10.6		10.6	5.21	ug/L		05/13/25 11:58	05/15/25 17:26	1
Benzo[g,h,i]perylene	<10.6		10.6	6.70	ug/L		05/13/25 11:58	05/15/25 17:26	1
Benzo[k]fluoranthene	<10.6		10.6	2.34	ug/L		05/13/25 11:58	05/15/25 17:26	1
Benzyl alcohol	<10.6		10.6	1.38	ug/L		05/13/25 11:58	05/15/25 17:26	1
Bis(2-chloroethoxy)methane	<10.6		10.6	0.809	ug/L		05/13/25 11:58	05/15/25 17:26	1
Bis(2-chloroethyl)ether	<10.6		10.6	0.872	ug/L		05/13/25 11:58	05/15/25 17:26	1
bis (2-chloroisopropyl) ether	<10.6		10.6	0.574	ug/L		05/13/25 11:58	05/15/25 17:26	1
Bis(2-ethylhexyl) phthalate	<10.6		10.6	5.85	ug/L		05/13/25 11:58	05/15/25 17:26	1
4-Bromophenyl phenyl ether	<10.6		10.6	0.745	ug/L		05/13/25 11:58	05/15/25 17:26	1
Butyl benzyl phthalate	<10.6		10.6	5.74	ug/L		05/13/25 11:58	05/15/25 17:26	1
4-Chloroaniline	<10.6		10.6	0.660	ug/L		05/13/25 11:58	05/15/25 17:26	1
Chlorobenzilate	<10.6		10.6	3.83	ug/L		05/13/25 11:58	05/20/25 14:36	1
4-Chloro-3-methylphenol	<10.6		10.6	0.894	ug/L		05/13/25 11:58	05/15/25 17:26	1
2-Chloronaphthalene	<10.6		10.6	0.681	ug/L		05/13/25 11:58	05/15/25 17:26	1
2-Chlorophenol	<10.6		10.6	0.574	ug/L		05/13/25 11:58	05/20/25 14:36	1
4-Chlorophenyl phenyl ether	<10.6		10.6	0.734	ug/L		05/13/25 11:58	05/15/25 17:26	1
Chrysene	<10.6		10.6	0.926	ug/L		05/13/25 11:58	05/15/25 17:26	1
Diallate	<10.6		10.6	4.26	ug/L		05/13/25 11:58	05/20/25 14:36	1
Dibenzo(a,h)anthracene	<10.6		10.6	4.15	ug/L		05/13/25 11:58	05/15/25 17:26	1
Dibenzofuran	<10.6		10.6	0.787	ug/L		05/13/25 11:58	05/15/25 17:26	1
3,3'-Dichlorobenzidine	<10.6		10.6	1.49	ug/L		05/13/25 11:58	05/15/25 17:26	1
2,4-Dichlorophenol	<10.6		10.6	0.904	ug/L		05/13/25 11:58	05/15/25 17:26	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-25A-00
Lab Sample ID: 310-306065-12
Date Collected: 05/08/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<10.6		10.6	0.734	ug/L		05/13/25 11:58	05/15/25 17:26	1
Diethyl phthalate	<10.6		10.6	1.81	ug/L		05/13/25 11:58	05/15/25 17:26	1
Dimethoate	<10.6		10.6	3.83	ug/L		05/13/25 11:58	05/20/25 14:36	1
7,12-Dimethylbenz(a)anthracene	<10.6		10.6	2.02	ug/L		05/13/25 11:58	05/20/25 14:36	1
3,3'-Dimethylbenzidine	<10.6		10.6	1.60	ug/L		05/13/25 11:58	05/20/25 14:36	1
2,4-Dimethylphenol	<10.6		10.6	0.617	ug/L		05/13/25 11:58	05/15/25 17:26	1
Dimethyl phthalate	<10.6		10.6	1.06	ug/L		05/13/25 11:58	05/15/25 17:26	1
Di-n-butyl phthalate	<10.6		10.6	5.96	ug/L		05/13/25 11:58	05/15/25 17:26	1
1,3-Dinitrobenzene	<10.6		10.6	3.40	ug/L		05/13/25 11:58	05/15/25 17:26	1
4,6-Dinitro-2-methylphenol	<10.6		10.6	7.34	ug/L		05/13/25 11:58	05/15/25 17:26	1
2,4-Dinitrophenol	<21.3		21.3	13.8	ug/L		05/13/25 11:58	05/15/25 17:26	1
2,4-Dinitrotoluene	<10.6		10.6	6.81	ug/L		05/13/25 11:58	05/15/25 17:26	1
2,6-Dinitrotoluene	<10.6		10.6	0.553	ug/L		05/13/25 11:58	05/15/25 17:26	1
Di-n-octyl phthalate	<21.3		21.3	7.45	ug/L		05/13/25 11:58	05/15/25 17:26	1
Dinoseb	<10.6		10.6	2.55	ug/L		05/13/25 11:58	05/20/25 14:36	1
Diphenylamine	<10.6		10.6	6.38	ug/L		05/13/25 11:58	05/15/25 17:26	1
Disulfoton	<10.6		10.6	2.55	ug/L		05/13/25 11:58	05/20/25 14:36	1
Ethyl methanesulfonate	<10.6		10.6	3.83	ug/L		05/13/25 11:58	05/20/25 14:36	1
Ethyl Parathion	<10.6		10.6	2.34	ug/L		05/13/25 11:58	05/20/25 14:36	1
Famphur	<10.6		10.6	4.04	ug/L		05/13/25 11:58	05/23/25 04:05	1
Fluoranthene	<10.6		10.6	1.81	ug/L		05/13/25 11:58	05/15/25 17:26	1
Fluorene	<10.6		10.6	0.840	ug/L		05/13/25 11:58	05/15/25 17:26	1
Hexachlorobenzene	<10.6		10.6	0.745	ug/L		05/13/25 11:58	05/15/25 17:26	1
Hexachlorobutadiene	<10.6		10.6	0.915	ug/L		05/13/25 11:58	05/15/25 17:26	1
Hexachlorocyclopentadiene	<10.6		10.6	5.43	ug/L		05/13/25 11:58	05/15/25 17:26	1
Hexachloroethane	<10.6		10.6	1.03	ug/L		05/13/25 11:58	05/15/25 17:26	1
Hexachloropropene	<10.6		10.6	2.77	ug/L		05/13/25 11:58	05/20/25 14:36	1
Indeno[1,2,3-cd]pyrene	<10.6		10.6	4.47	ug/L		05/13/25 11:58	05/15/25 17:26	1
Isodrin	<10.6		10.6	5.00	ug/L		05/13/25 11:58	05/20/25 14:36	1
Isophorone	<10.6		10.6	0.989	ug/L		05/13/25 11:58	05/15/25 17:26	1
Isosafrole	<10.6		10.6	2.45	ug/L		05/13/25 11:58	05/20/25 14:36	1
Kepone	<10.6		10.6	1.06	ug/L		05/13/25 11:58	05/20/25 14:36	1
Methapyrilene	<10.6		10.6	0.809	ug/L		05/13/25 11:58	05/20/25 14:36	1
3-Methylcholanthrene	<10.6		10.6	0.340	ug/L		05/13/25 11:58	05/20/25 14:36	1
Methyl methanesulfonate	<10.6		10.6	3.51	ug/L		05/13/25 11:58	05/20/25 14:36	1
2-Methylnaphthalene	<10.6		10.6	0.628	ug/L		05/13/25 11:58	05/15/25 17:26	1
Methyl parathion	<10.6		10.6	2.45	ug/L		05/13/25 11:58	05/20/25 14:36	1
2-Methylphenol	<10.6		10.6	0.691	ug/L		05/13/25 11:58	05/15/25 17:26	1
Methylphenol, 3 & 4	<10.6		10.6	0.745	ug/L		05/13/25 11:58	05/15/25 17:26	1
1,4-Naphthoquinone	<10.6		10.6	3.83	ug/L		05/13/25 11:58	05/20/25 14:36	1
1-Naphthylamine	<10.6		10.6	2.66	ug/L		05/13/25 11:58	05/20/25 14:36	1
2-Naphthylamine	<10.6		10.6	2.23	ug/L		05/13/25 11:58	05/20/25 14:36	1
2-Nitroaniline	<10.6		10.6	6.28	ug/L		05/13/25 11:58	05/15/25 17:26	1
3-Nitroaniline	<10.6		10.6	2.87	ug/L		05/13/25 11:58	05/15/25 17:26	1
4-Nitroaniline	<10.6		10.6	1.38	ug/L		05/13/25 11:58	05/15/25 17:26	1
Nitrobenzene	<10.6		10.6	0.851	ug/L		05/13/25 11:58	05/15/25 17:26	1
5-Nitro-o-toluidine	<10.6		10.6	2.98	ug/L		05/13/25 11:58	05/20/25 14:36	1
2-Nitrophenol	<10.6		10.6	7.23	ug/L		05/13/25 11:58	05/15/25 17:26	1
4-Nitrophenol	<10.6		10.6	8.09	ug/L		05/13/25 11:58	05/15/25 17:26	1

Client Sample ID: MW-25A-00
Lab Sample ID: 310-306065-12
Date Collected: 05/08/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<10.6		10.6	3.62	ug/L		05/13/25 11:58	05/20/25 14:36	1
N-Nitrosodimethylamine	<10.6		10.6	0.766	ug/L		05/13/25 11:58	05/15/25 17:26	1
N-Nitrosodi-n-butylamine	<10.6		10.6	4.15	ug/L		05/13/25 11:58	05/20/25 14:36	1
N-Nitrosodi-n-propylamine	<10.6		10.6	0.979	ug/L		05/13/25 11:58	05/15/25 17:26	1
N-Nitrosodiphenylamine	<10.6		10.6	0.798	ug/L		05/13/25 11:58	05/15/25 17:26	1
N-Nitrosomethylethylamine	<10.6		10.6	5.21	ug/L		05/13/25 11:58	05/20/25 14:36	1
N-Nitrosopiperidine	<10.6		10.6	2.87	ug/L		05/13/25 11:58	05/20/25 14:36	1
N-Nitrosopyrrolidine	<10.6		10.6	3.83	ug/L		05/13/25 11:58	05/20/25 14:36	1
o,o',o''-Triethylphosphorothioate	<10.6		10.6	3.40	ug/L		05/13/25 11:58	05/20/25 14:36	1
o-Toluidine	<10.6		10.6	3.09	ug/L		05/13/25 11:58	05/20/25 14:36	1
p-Dimethylamino azobenzene	<10.6		10.6	2.34	ug/L		05/13/25 11:58	05/20/25 14:36	1
Pentachlorobenzene	<10.6		10.6	2.98	ug/L		05/13/25 11:58	05/20/25 14:36	1
Pentachloronitrobenzene	<10.6		10.6	6.17	ug/L		05/13/25 11:58	05/20/25 14:36	1
Pentachlorophenol	<10.6		10.6	10.2	ug/L		05/13/25 11:58	05/15/25 17:26	1
Phenacetin	<10.6		10.6	2.02	ug/L		05/13/25 11:58	05/20/25 14:36	1
Phenanthrene	<10.6		10.6	0.840	ug/L		05/13/25 11:58	05/15/25 17:26	1
Phenol	<10.6		10.6	1.17	ug/L		05/13/25 11:58	05/15/25 17:26	1
1,4-phenylenediamine	<10.6		10.6	2.02	ug/L		05/13/25 11:58	05/20/25 14:36	1
Phorate	<10.6		10.6	3.40	ug/L		05/13/25 11:58	05/20/25 14:36	1
Pronamide	<10.6		10.6	2.87	ug/L		05/13/25 11:58	05/20/25 14:36	1
Pyrene	<10.6		10.6	0.840	ug/L		05/13/25 11:58	05/15/25 17:26	1
Safrole	<10.6		10.6	2.98	ug/L		05/13/25 11:58	05/20/25 14:36	1
1,2,4,5-Tetrachlorobenzene	<10.6		10.6	0.574	ug/L		05/13/25 11:58	05/15/25 17:26	1
2,3,4,6-Tetrachlorophenol	<10.6		10.6	5.64	ug/L		05/13/25 11:58	05/15/25 17:26	1
Thionazin	<10.6		10.6	3.72	ug/L		05/13/25 11:58	05/20/25 14:36	1
2,4,5-Trichlorophenol	<10.6		10.6	5.64	ug/L		05/13/25 11:58	05/15/25 17:26	1
2,4,6-Trichlorophenol	<10.6		10.6	5.32	ug/L		05/13/25 11:58	05/15/25 17:26	1
1,3,5-Trinitrobenzene	<10.6		10.6	2.45	ug/L		05/13/25 11:58	05/20/25 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*84*		*39 - 118*	*05/13/25 11:58*	*05/15/25 17:26*	*1*
2-Fluorobiphenyl (Surr)	*82*		*39 - 118*	*05/13/25 11:58*	*05/20/25 14:36*	*1*
2-Fluorophenol (Surr)	*63*		*25 - 110*	*05/13/25 11:58*	*05/15/25 17:26*	*1*
2-Fluorophenol (Surr)	*68*		*25 - 110*	*05/13/25 11:58*	*05/20/25 14:36*	*1*
Nitrobenzene-d5 (Surr)	*72*		*45 - 129*	*05/13/25 11:58*	*05/15/25 17:26*	*1*
Nitrobenzene-d5 (Surr)	*78*		*45 - 129*	*05/13/25 11:58*	*05/20/25 14:36*	*1*
Phenol-d5 (Surr)	*55*		*21 - 110*	*05/13/25 11:58*	*05/15/25 17:26*	*1*
Phenol-d5 (Surr)	*60*		*21 - 110*	*05/13/25 11:58*	*05/20/25 14:36*	*1*
Terphenyl-d14 (Surr)	*71*		*12 - 144*	*05/13/25 11:58*	*05/15/25 17:26*	*1*
Terphenyl-d14 (Surr)	*88*		*12 - 144*	*05/13/25 11:58*	*05/20/25 14:36*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*27 - 136*	*05/13/25 11:58*	*05/15/25 17:26*	*1*
2,4,6-Tribromophenol (Surr)	*116*		*27 - 136*	*05/13/25 11:58*	*05/20/25 14:36*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/19/25 13:58	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/19/25 13:58	1

Client Sample ID: MW-25A-00
Lab Sample ID: 310-306065-12
Date Collected: 05/08/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0904		0.0904	0.0226	ug/L		05/14/25 12:40	05/14/25 19:55	1
4,4'-DDE	<0.0904		0.0904	0.0271	ug/L		05/14/25 12:40	05/14/25 19:55	1
4,4'-DDT	<0.0904		0.0904	0.0181	ug/L		05/14/25 12:40	05/14/25 19:55	1
Aldrin	<0.0904		0.0904	0.0199	ug/L		05/14/25 12:40	05/14/25 19:55	1
alpha-BHC	<0.0904		0.0904	0.00904	ug/L		05/14/25 12:40	05/14/25 19:55	1
beta-BHC	<0.0904		0.0904	0.0380	ug/L		05/14/25 12:40	05/14/25 19:55	1
Chlordane (technical)	<1.81		1.81	0.353	ug/L		05/14/25 12:40	05/14/25 19:55	1
delta-BHC	<0.0904		0.0904	0.0289	ug/L		05/14/25 12:40	05/14/25 19:55	1
Dieldrin	<0.0904		0.0904	0.0190	ug/L		05/14/25 12:40	05/14/25 19:55	1
Endosulfan I	<0.0904		0.0904	0.0253	ug/L		05/14/25 12:40	05/14/25 19:55	1
Endosulfan II	<0.0904		0.0904	0.0235	ug/L		05/14/25 12:40	05/14/25 19:55	1
Endosulfan sulfate	<0.0904		0.0904	0.0163	ug/L		05/14/25 12:40	05/14/25 19:55	1
Endrin	<0.0904		0.0904	0.0253	ug/L		05/14/25 12:40	05/14/25 19:55	1
Endrin aldehyde	<0.0904		0.0904	0.0244	ug/L		05/14/25 12:40	05/14/25 19:55	1
gamma-BHC (Lindane)	<0.0904		0.0904	0.00904	ug/L		05/14/25 12:40	05/14/25 19:55	1
Heptachlor	<0.0904		0.0904	0.0208	ug/L		05/14/25 12:40	05/14/25 19:55	1
Heptachlor epoxide	<0.0904		0.0904	0.0289	ug/L		05/14/25 12:40	05/14/25 19:55	1
Methoxychlor	<0.0904		0.0904	0.0289	ug/L		05/14/25 12:40	05/14/25 19:55	1
Toxaphene	<1.81		1.81	0.904	ug/L		05/14/25 12:40	05/14/25 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*54*		*10 - 150*	*05/14/25 12:40*	*05/14/25 19:55*	*1*
Tetrachloro-m-xylene	*64*		*17 - 150*	*05/14/25 12:40*	*05/14/25 19:55*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.81		1.81	0.742	ug/L		05/14/25 12:40	05/14/25 19:55	1
PCB-1221	<1.81		1.81	0.742	ug/L		05/14/25 12:40	05/14/25 19:55	1
PCB-1232	<1.81		1.81	0.742	ug/L		05/14/25 12:40	05/14/25 19:55	1
PCB-1242	<1.81		1.81	0.742	ug/L		05/14/25 12:40	05/14/25 19:55	1
PCB-1248	<1.81		1.81	0.624	ug/L		05/14/25 12:40	05/14/25 19:55	1
PCB-1254	<1.81		1.81	0.624	ug/L		05/14/25 12:40	05/14/25 19:55	1
PCB-1260	<1.81		1.81	0.624	ug/L		05/14/25 12:40	05/14/25 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*54*		*10 - 150*	*05/14/25 12:40*	*05/14/25 19:55*	*1*
Tetrachloro-m-xylene	*64*		*17 - 150*	*05/14/25 12:40*	*05/14/25 19:55*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.655		0.655	0.273	ug/L		05/14/25 15:21	05/15/25 12:43	1
Silvex (2,4,5-TP)	<0.0546		0.0546	0.0240	ug/L		05/14/25 15:21	05/15/25 12:43	1
2,4,5-T	<0.164		0.164	0.0710	ug/L		05/14/25 15:21	05/15/25 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*67*		*34 - 142*	*05/14/25 15:21*	*05/15/25 12:43*	*1*
DCAA	*60*		*34 - 142*	*05/14/25 15:21*	*05/15/25 12:43*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/14/25 09:00	05/15/25 17:53	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-25A-00
Lab Sample ID: 310-306065-12
Date Collected: 05/08/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 17:53	1
Barium	**0.183**		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 17:53	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/14/25 09:00	05/15/25 17:53	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/14/25 09:00	05/15/25 17:53	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/14/25 09:00	05/15/25 17:53	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 17:53	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 17:53	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 17:53	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 17:53	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/14/25 09:00	05/15/25 17:53	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/14/25 09:00	05/15/25 17:53	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/14/25 09:00	05/15/25 17:53	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/14/25 09:00	05/15/25 17:53	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/14/25 09:00	05/15/25 17:53	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/14/25 09:00	05/15/25 17:53	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/16/25 11:31	05/19/25 11:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/20/25 10:08	05/20/25 18:06	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/14/25 00:44	1
Total Suspended Solids (USGS I-3765-85)	**2.00**		1.88	1.31	mg/L			05/13/25 10:13	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-23A
Lab Sample ID: 310-306065-13
Date Collected: 05/08/25 12:32
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 17:40	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 17:40	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 17:40	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 17:40	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 17:40	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 17:40	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/13/25 17:40	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 17:40	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/13/25 17:40	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 17:40	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 17:40	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 17:40	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 17:40	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 17:40	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/13/25 17:40	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/13/25 17:40	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 17:40	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/13/25 17:40	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 17:40	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 17:40	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 17:40	1
Acetone	<10.0		10.0	3.10	ug/L			05/13/25 17:40	1
Acrolein	<10.0		10.0	3.60	ug/L			05/13/25 17:40	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 17:40	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/13/25 17:40	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 17:40	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 17:40	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 17:40	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 17:40	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 17:40	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 17:40	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 17:40	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 17:40	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 17:40	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 17:40	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 17:40	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 17:40	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/13/25 17:40	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 17:40	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 17:40	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 17:40	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/13/25 17:40	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/13/25 17:40	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 17:40	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 17:40	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/13/25 17:40	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/13/25 17:40	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 17:40	1
Naphthalene	<5.00		5.00	3.00	ug/L			05/13/25 17:40	1

Client Sample ID: MW-23A
Lab Sample ID: 310-306065-13
Date Collected: 05/08/25 12:32
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	<10.0		10.0	3.40	ug/L			05/13/25 17:40	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 17:40	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 17:40	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 17:40	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 17:40	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 17:40	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 17:40	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 17:40	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 17:40	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 17:40	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 17:40	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*05/13/25 17:40*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/13/25 17:40*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/13/25 17:40*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<9.80		9.80	0.627	ug/L		05/13/25 11:58	05/15/25 17:57	1
Acenaphthylene	<9.80		9.80	0.706	ug/L		05/13/25 11:58	05/15/25 17:57	1
Acetophenone	<9.80		9.80	0.676	ug/L		05/13/25 11:58	05/15/25 17:57	1
2-Acetylaminofluorene	<9.80		9.80	2.65	ug/L		05/13/25 11:58	05/20/25 15:03	1
4-Aminobiphenyl	<9.80		9.80	2.16	ug/L		05/13/25 11:58	05/20/25 15:03	1
Anthracene	<9.80		9.80	0.853	ug/L		05/13/25 11:58	05/15/25 17:57	1
Benzo[a]anthracene	<9.80		9.80	0.833	ug/L		05/13/25 11:58	05/15/25 17:57	1
Benzo[a]pyrene	<9.80		9.80	7.94	ug/L		05/13/25 11:58	05/15/25 17:57	1
Benzo[b]fluoranthene	<9.80		9.80	4.80	ug/L		05/13/25 11:58	05/15/25 17:57	1
Benzo[g,h,i]perylene	<9.80		9.80	6.18	ug/L		05/13/25 11:58	05/15/25 17:57	1
Benzo[k]fluoranthene	<9.80		9.80	2.16	ug/L		05/13/25 11:58	05/15/25 17:57	1
Benzyl alcohol	<9.80		9.80	1.27	ug/L		05/13/25 11:58	05/15/25 17:57	1
Bis(2-chloroethoxy)methane	<9.80		9.80	0.745	ug/L		05/13/25 11:58	05/15/25 17:57	1
Bis(2-chloroethyl)ether	<9.80		9.80	0.804	ug/L		05/13/25 11:58	05/15/25 17:57	1
bis (2-chloroisopropyl) ether	<9.80		9.80	0.529	ug/L		05/13/25 11:58	05/15/25 17:57	1
Bis(2-ethylhexyl) phthalate	<9.80		9.80	5.39	ug/L		05/13/25 11:58	05/15/25 17:57	1
4-Bromophenyl phenyl ether	<9.80		9.80	0.686	ug/L		05/13/25 11:58	05/15/25 17:57	1
Butyl benzyl phthalate	<9.80		9.80	5.29	ug/L		05/13/25 11:58	05/15/25 17:57	1
4-Chloroaniline	<9.80		9.80	0.608	ug/L		05/13/25 11:58	05/15/25 17:57	1
Chlorobenzilate	<9.80		9.80	3.53	ug/L		05/13/25 11:58	05/20/25 15:03	1
4-Chloro-3-methylphenol	<9.80		9.80	0.824	ug/L		05/13/25 11:58	05/15/25 17:57	1
2-Chloronaphthalene	<9.80		9.80	0.627	ug/L		05/13/25 11:58	05/15/25 17:57	1
2-Chlorophenol	<9.80		9.80	0.529	ug/L		05/13/25 11:58	05/20/25 15:03	1
4-Chlorophenyl phenyl ether	<9.80		9.80	0.676	ug/L		05/13/25 11:58	05/15/25 17:57	1
Chrysene	<9.80		9.80	0.853	ug/L		05/13/25 11:58	05/15/25 17:57	1
Diallate	<9.80		9.80	3.92	ug/L		05/13/25 11:58	05/20/25 15:03	1
Dibenzo(a,h)anthracene	<9.80		9.80	3.82	ug/L		05/13/25 11:58	05/15/25 17:57	1
Dibenzofuran	<9.80		9.80	0.725	ug/L		05/13/25 11:58	05/15/25 17:57	1
3,3'-Dichlorobenzidine	<9.80		9.80	1.37	ug/L		05/13/25 11:58	05/15/25 17:57	1
2,4-Dichlorophenol	<9.80		9.80	0.833	ug/L		05/13/25 11:58	05/15/25 17:57	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-23A
Lab Sample ID: 310-306065-13
Date Collected: 05/08/25 12:32
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<9.80		9.80	0.676	ug/L		05/13/25 11:58	05/15/25 17:57	1
Diethyl phthalate	<9.80		9.80	1.67	ug/L		05/13/25 11:58	05/15/25 17:57	1
Dimethoate	<9.80		9.80	3.53	ug/L		05/13/25 11:58	05/20/25 15:03	1
7,12-Dimethylbenz(a)anthracene	<9.80		9.80	1.86	ug/L		05/13/25 11:58	05/20/25 15:03	1
3,3'-Dimethylbenzidine	<9.80		9.80	1.47	ug/L		05/13/25 11:58	05/20/25 15:03	1
2,4-Dimethylphenol	<9.80		9.80	0.569	ug/L		05/13/25 11:58	05/15/25 17:57	1
Dimethyl phthalate	<9.80		9.80	0.980	ug/L		05/13/25 11:58	05/15/25 17:57	1
Di-n-butyl phthalate	<9.80		9.80	5.49	ug/L		05/13/25 11:58	05/15/25 17:57	1
1,3-Dinitrobenzene	<9.80		9.80	3.14	ug/L		05/13/25 11:58	05/15/25 17:57	1
4,6-Dinitro-2-methylphenol	<9.80		9.80	6.76	ug/L		05/13/25 11:58	05/15/25 17:57	1
2,4-Dinitrophenol	<19.6		19.6	12.7	ug/L		05/13/25 11:58	05/15/25 17:57	1
2,4-Dinitrotoluene	<9.80		9.80	6.27	ug/L		05/13/25 11:58	05/15/25 17:57	1
2,6-Dinitrotoluene	<9.80		9.80	0.510	ug/L		05/13/25 11:58	05/15/25 17:57	1
Di-n-octyl phthalate	<19.6		19.6	6.86	ug/L		05/13/25 11:58	05/15/25 17:57	1
Dinoseb	<9.80		9.80	2.35	ug/L		05/13/25 11:58	05/20/25 15:03	1
Diphenylamine	<9.80		9.80	5.88	ug/L		05/13/25 11:58	05/15/25 17:57	1
Disulfoton	<9.80		9.80	2.35	ug/L		05/13/25 11:58	05/20/25 15:03	1
Ethyl methanesulfonate	<9.80		9.80	3.53	ug/L		05/13/25 11:58	05/20/25 15:03	1
Ethyl Parathion	<9.80		9.80	2.16	ug/L		05/13/25 11:58	05/20/25 15:03	1
Famphur	<9.80		9.80	3.73	ug/L		05/13/25 11:58	05/23/25 04:24	1
Fluoranthene	<9.80		9.80	1.67	ug/L		05/13/25 11:58	05/15/25 17:57	1
Fluorene	<9.80		9.80	0.775	ug/L		05/13/25 11:58	05/15/25 17:57	1
Hexachlorobenzene	<9.80		9.80	0.686	ug/L		05/13/25 11:58	05/15/25 17:57	1
Hexachlorobutadiene	<9.80		9.80	0.843	ug/L		05/13/25 11:58	05/15/25 17:57	1
Hexachlorocyclopentadiene	<9.80		9.80	5.00	ug/L		05/13/25 11:58	05/15/25 17:57	1
Hexachloroethane	<9.80		9.80	0.951	ug/L		05/13/25 11:58	05/15/25 17:57	1
Hexachloropropene	<9.80		9.80	2.55	ug/L		05/13/25 11:58	05/20/25 15:03	1
Indeno[1,2,3-cd]pyrene	<9.80		9.80	4.12	ug/L		05/13/25 11:58	05/15/25 17:57	1
Isodrin	<9.80		9.80	4.61	ug/L		05/13/25 11:58	05/20/25 15:03	1
Isophorone	<9.80		9.80	0.912	ug/L		05/13/25 11:58	05/15/25 17:57	1
Isosafrole	<9.80		9.80	2.25	ug/L		05/13/25 11:58	05/20/25 15:03	1
Kepone	<9.80		9.80	0.980	ug/L		05/13/25 11:58	05/20/25 15:03	1
Methapyrilene	<9.80		9.80	0.745	ug/L		05/13/25 11:58	05/20/25 15:03	1
3-Methylcholanthrene	<9.80		9.80	0.314	ug/L		05/13/25 11:58	05/20/25 15:03	1
Methyl methanesulfonate	<9.80		9.80	3.24	ug/L		05/13/25 11:58	05/20/25 15:03	1
2-Methylnaphthalene	<9.80		9.80	0.578	ug/L		05/13/25 11:58	05/15/25 17:57	1
Methyl parathion	<9.80		9.80	2.25	ug/L		05/13/25 11:58	05/20/25 15:03	1
2-Methylphenol	<9.80		9.80	0.637	ug/L		05/13/25 11:58	05/15/25 17:57	1
Methylphenol, 3 & 4	<9.80		9.80	0.686	ug/L		05/13/25 11:58	05/15/25 17:57	1
1,4-Naphthoquinone	<9.80		9.80	3.53	ug/L		05/13/25 11:58	05/20/25 15:03	1
1-Naphthylamine	<9.80		9.80	2.45	ug/L		05/13/25 11:58	05/20/25 15:03	1
2-Naphthylamine	<9.80		9.80	2.06	ug/L		05/13/25 11:58	05/20/25 15:03	1
2-Nitroaniline	<9.80		9.80	5.78	ug/L		05/13/25 11:58	05/15/25 17:57	1
3-Nitroaniline	<9.80		9.80	2.65	ug/L		05/13/25 11:58	05/15/25 17:57	1
4-Nitroaniline	<9.80		9.80	1.27	ug/L		05/13/25 11:58	05/15/25 17:57	1
Nitrobenzene	<9.80		9.80	0.784	ug/L		05/13/25 11:58	05/15/25 17:57	1
5-Nitro-o-toluidine	<9.80		9.80	2.75	ug/L		05/13/25 11:58	05/20/25 15:03	1
2-Nitrophenol	<9.80		9.80	6.67	ug/L		05/13/25 11:58	05/15/25 17:57	1
4-Nitrophenol	<9.80		9.80	7.45	ug/L		05/13/25 11:58	05/15/25 17:57	1

Client Sample ID: MW-23A
Lab Sample ID: 310-306065-13
Date Collected: 05/08/25 12:32
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiethylamine	<9.80		9.80	3.33	ug/L		05/13/25 11:58	05/20/25 15:03	1
N-Nitrosodimethylamine	<9.80		9.80	0.706	ug/L		05/13/25 11:58	05/15/25 17:57	1
N-Nitrosodi-n-butylamine	<9.80		9.80	3.82	ug/L		05/13/25 11:58	05/20/25 15:03	1
N-Nitrosodi-n-propylamine	<9.80		9.80	0.902	ug/L		05/13/25 11:58	05/15/25 17:57	1
N-Nitrosodiphenylamine	<9.80		9.80	0.735	ug/L		05/13/25 11:58	05/15/25 17:57	1
N-Nitrosomethylethylamine	<9.80		9.80	4.80	ug/L		05/13/25 11:58	05/20/25 15:03	1
N-Nitrosopiperidine	<9.80		9.80	2.65	ug/L		05/13/25 11:58	05/20/25 15:03	1
N-Nitrosopyrrolidine	<9.80		9.80	3.53	ug/L		05/13/25 11:58	05/20/25 15:03	1
o,o',o''-Triethylphosphorothioate	<9.80		9.80	3.14	ug/L		05/13/25 11:58	05/20/25 15:03	1
o-Toluidine	<9.80		9.80	2.84	ug/L		05/13/25 11:58	05/20/25 15:03	1
p-Dimethylamino azobenzene	<9.80		9.80	2.16	ug/L		05/13/25 11:58	05/20/25 15:03	1
Pentachlorobenzene	<9.80		9.80	2.75	ug/L		05/13/25 11:58	05/20/25 15:03	1
Pentachloronitrobenzene	<9.80		9.80	5.69	ug/L		05/13/25 11:58	05/20/25 15:03	1
Pentachlorophenol	<9.80		9.80	9.41	ug/L		05/13/25 11:58	05/15/25 17:57	1
Phenacetin	<9.80		9.80	1.86	ug/L		05/13/25 11:58	05/20/25 15:03	1
Phenanthrene	<9.80		9.80	0.775	ug/L		05/13/25 11:58	05/15/25 17:57	1
Phenol	<9.80		9.80	1.08	ug/L		05/13/25 11:58	05/15/25 17:57	1
1,4-phenylenediamine	<9.80		9.80	1.86	ug/L		05/13/25 11:58	05/20/25 15:03	1
Phorate	<9.80		9.80	3.14	ug/L		05/13/25 11:58	05/20/25 15:03	1
Pronamide	<9.80		9.80	2.65	ug/L		05/13/25 11:58	05/20/25 15:03	1
Pyrene	<9.80		9.80	0.775	ug/L		05/13/25 11:58	05/15/25 17:57	1
Safrole	<9.80		9.80	2.75	ug/L		05/13/25 11:58	05/20/25 15:03	1
1,2,4,5-Tetrachlorobenzene	<9.80		9.80	0.529	ug/L		05/13/25 11:58	05/15/25 17:57	1
2,3,4,6-Tetrachlorophenol	<9.80		9.80	5.20	ug/L		05/13/25 11:58	05/15/25 17:57	1
Thionazin	<9.80		9.80	3.43	ug/L		05/13/25 11:58	05/20/25 15:03	1
2,4,5-Trichlorophenol	<9.80		9.80	5.20	ug/L		05/13/25 11:58	05/15/25 17:57	1
2,4,6-Trichlorophenol	<9.80		9.80	4.90	ug/L		05/13/25 11:58	05/15/25 17:57	1
1,3,5-Trinitrobenzene	<9.80		9.80	2.25	ug/L		05/13/25 11:58	05/20/25 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*84*		*39 - 118*	*05/13/25 11:58*	*05/15/25 17:57*	*1*
2-Fluorobiphenyl (Surr)	*85*		*39 - 118*	*05/13/25 11:58*	*05/20/25 15:03*	*1*
2-Fluorophenol (Surr)	*63*		*25 - 110*	*05/13/25 11:58*	*05/15/25 17:57*	*1*
2-Fluorophenol (Surr)	*65*		*25 - 110*	*05/13/25 11:58*	*05/20/25 15:03*	*1*
Nitrobenzene-d5 (Surr)	*75*		*45 - 129*	*05/13/25 11:58*	*05/15/25 17:57*	*1*
Nitrobenzene-d5 (Surr)	*79*		*45 - 129*	*05/13/25 11:58*	*05/20/25 15:03*	*1*
Phenol-d5 (Surr)	*54*		*21 - 110*	*05/13/25 11:58*	*05/15/25 17:57*	*1*
Phenol-d5 (Surr)	*56*		*21 - 110*	*05/13/25 11:58*	*05/20/25 15:03*	*1*
Terphenyl-d14 (Surr)	*74*		*12 - 144*	*05/13/25 11:58*	*05/15/25 17:57*	*1*
Terphenyl-d14 (Surr)	*96*		*12 - 144*	*05/13/25 11:58*	*05/20/25 15:03*	*1*
2,4,6-Tribromophenol (Surr)	*72*		*27 - 136*	*05/13/25 11:58*	*05/15/25 17:57*	*1*
2,4,6-Tribromophenol (Surr)	*116*		*27 - 136*	*05/13/25 11:58*	*05/20/25 15:03*	*1*

Method: SW846 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/19/25 14:19	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/19/25 14:19	1

Client Sample ID: MW-23A
Lab Sample ID: 310-306065-13
Date Collected: 05/08/25 12:32
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0882		0.0882	0.0220	ug/L		05/14/25 12:40	05/14/25 20:08	1
4,4'-DDE	<0.0882		0.0882	0.0264	ug/L		05/14/25 12:40	05/14/25 20:08	1
4,4'-DDT	<0.0882		0.0882	0.0176	ug/L		05/14/25 12:40	05/14/25 20:08	1
Aldrin	<0.0882		0.0882	0.0194	ug/L		05/14/25 12:40	05/14/25 20:08	1
alpha-BHC	<0.0882		0.0882	0.00882	ug/L		05/14/25 12:40	05/14/25 20:08	1
beta-BHC	<0.0882		0.0882	0.0370	ug/L		05/14/25 12:40	05/14/25 20:08	1
Chlordane (technical)	<1.76		1.76	0.344	ug/L		05/14/25 12:40	05/14/25 20:08	1
delta-BHC	<0.0882		0.0882	0.0282	ug/L		05/14/25 12:40	05/14/25 20:08	1
Dieldrin	<0.0882		0.0882	0.0185	ug/L		05/14/25 12:40	05/14/25 20:08	1
Endosulfan I	<0.0882		0.0882	0.0247	ug/L		05/14/25 12:40	05/14/25 20:08	1
Endosulfan II	<0.0882		0.0882	0.0229	ug/L		05/14/25 12:40	05/14/25 20:08	1
Endosulfan sulfate	<0.0882		0.0882	0.0159	ug/L		05/14/25 12:40	05/14/25 20:08	1
Endrin	<0.0882		0.0882	0.0247	ug/L		05/14/25 12:40	05/14/25 20:08	1
Endrin aldehyde	<0.0882		0.0882	0.0238	ug/L		05/14/25 12:40	05/14/25 20:08	1
gamma-BHC (Lindane)	<0.0882		0.0882	0.00882	ug/L		05/14/25 12:40	05/14/25 20:08	1
Heptachlor	<0.0882		0.0882	0.0203	ug/L		05/14/25 12:40	05/14/25 20:08	1
Heptachlor epoxide	<0.0882		0.0882	0.0282	ug/L		05/14/25 12:40	05/14/25 20:08	1
Methoxychlor	<0.0882		0.0882	0.0282	ug/L		05/14/25 12:40	05/14/25 20:08	1
Toxaphene	<1.76		1.76	0.882	ug/L		05/14/25 12:40	05/14/25 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*56*		*10 - 150*	*05/14/25 12:40*	*05/14/25 20:08*	*1*
Tetrachloro-m-xylene	*74*		*17 - 150*	*05/14/25 12:40*	*05/14/25 20:08*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.76		1.76	0.723	ug/L		05/14/25 12:40	05/14/25 20:08	1
PCB-1221	<1.76		1.76	0.723	ug/L		05/14/25 12:40	05/14/25 20:08	1
PCB-1232	<1.76		1.76	0.723	ug/L		05/14/25 12:40	05/14/25 20:08	1
PCB-1242	<1.76		1.76	0.723	ug/L		05/14/25 12:40	05/14/25 20:08	1
PCB-1248	<1.76		1.76	0.608	ug/L		05/14/25 12:40	05/14/25 20:08	1
PCB-1254	<1.76		1.76	0.608	ug/L		05/14/25 12:40	05/14/25 20:08	1
PCB-1260	<1.76		1.76	0.608	ug/L		05/14/25 12:40	05/14/25 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*56*		*10 - 150*	*05/14/25 12:40*	*05/14/25 20:08*	*1*
Tetrachloro-m-xylene	*74*		*17 - 150*	*05/14/25 12:40*	*05/14/25 20:08*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.639		0.639	0.266	ug/L		05/14/25 15:21	05/15/25 13:11	1
Silvex (2,4,5-TP)	<0.0532		0.0532	0.0234	ug/L		05/14/25 15:21	05/15/25 13:11	1
2,4,5-T	<0.160		0.160	0.0692	ug/L		05/14/25 15:21	05/15/25 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*63*		*34 - 142*	*05/14/25 15:21*	*05/15/25 13:11*	*1*
DCAA	*57*		*34 - 142*	*05/14/25 15:21*	*05/15/25 13:11*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/14/25 09:00	05/15/25 17:56	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-23A
Lab Sample ID: 310-306065-13
Date Collected: 05/08/25 12:32
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 17:56	1
Barium	**0.320**		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 17:56	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/14/25 09:00	05/15/25 17:56	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/14/25 09:00	05/15/25 17:56	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/14/25 09:00	05/15/25 17:56	1
Cobalt	**0.000423**	**J**	0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 17:56	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 17:56	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 17:56	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 17:56	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/14/25 09:00	05/15/25 17:56	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/14/25 09:00	05/15/25 17:56	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/14/25 09:00	05/15/25 17:56	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/14/25 09:00	05/15/25 17:56	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/14/25 09:00	05/15/25 17:56	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/14/25 09:00	05/15/25 17:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/16/25 11:31	05/19/25 11:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	<0.0100		0.0100	0.00350	mg/L		05/20/25 10:08	05/20/25 18:10	1
Sulfide (SW846 9034)	<1.00		1.00	0.231	mg/L			05/14/25 00:48	1
Total Suspended Solids (USGS I-3765-85)	**9.75**		1.88	1.31	mg/L			05/13/25 10:13	1

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-404
Lab Sample ID: 310-306065-14
Date Collected: 05/08/25 13:31
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 06:41	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 06:41	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 06:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*05/13/25 06:41*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/13/25 06:41*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/13/25 06:41*	*1*

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-410
Lab Sample ID: 310-306065-15
Date Collected: 05/08/25 14:06
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/14/25 01:55	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/14/25 01:55	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/14/25 01:55	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/14/25 01:55	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/14/25 01:55	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/14/25 01:55	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/14/25 01:55	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/14/25 01:55	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/14/25 01:55	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/14/25 01:55	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/14/25 01:55	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/14/25 01:55	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/14/25 01:55	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/14/25 01:55	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/14/25 01:55	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/14/25 01:55	1
Acetone	<10.0		10.0	3.10	ug/L			05/14/25 01:55	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/14/25 01:55	1
Benzene	<0.500		0.500	0.220	ug/L			05/14/25 01:55	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/14/25 01:55	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/14/25 01:55	1
Bromoform	<5.00		5.00	0.780	ug/L			05/14/25 01:55	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/14/25 01:55	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/14/25 01:55	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/14/25 01:55	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/14/25 01:55	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/14/25 01:55	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/14/25 01:55	1
Chloroform	<3.00		3.00	1.30	ug/L			05/14/25 01:55	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/14/25 01:55	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/14/25 01:55	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/14/25 01:55	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/14/25 01:55	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/14/25 01:55	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/14/25 01:55	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/14/25 01:55	1
Styrene	<1.00		1.00	0.370	ug/L			05/14/25 01:55	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/14/25 01:55	1
Toluene	<1.00		1.00	0.430	ug/L			05/14/25 01:55	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/14/25 01:55	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/14/25 01:55	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/14/25 01:55	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/14/25 01:55	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/14/25 01:55	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/14/25 01:55	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/14/25 01:55	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/14/25 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*05/14/25 01:55*	*1*

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-410
Lab Sample ID: 310-306065-15
Date Collected: 05/08/25 14:06
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/14/25 01:55*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/14/25 01:55*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/14/25 09:00	05/15/25 17:58	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 17:58	1
Barium	**0.0862**		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 17:58	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/14/25 09:00	05/15/25 17:58	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/14/25 09:00	05/15/25 17:58	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/14/25 09:00	05/15/25 17:58	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 17:58	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 17:58	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 17:58	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 17:58	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/14/25 09:00	05/15/25 17:58	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/14/25 09:00	05/15/25 17:58	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/14/25 09:00	05/15/25 17:58	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/14/25 09:00	05/15/25 17:58	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/14/25 09:00	05/15/25 17:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.88**		1.88	1.31	mg/L			05/13/25 10:13	1

Client: HDR Inc
Project/Site: Iowa City Landfill Spring 2025

Job ID: 310-306065-1

Client Sample ID: Trip Blank
Date Collected: 05/08/25 00:00
Date Received: 05/09/25 14:30

Lab Sample ID: 310-306065-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 12:46	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 12:46	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 12:46	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 12:46	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 12:46	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 12:46	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 12:46	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 12:46	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 12:46	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 12:46	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 12:46	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 12:46	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 12:46	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 12:46	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 12:46	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 12:46	1
Acetone	<10.0		10.0	3.10	ug/L			05/13/25 12:46	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 12:46	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 12:46	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 12:46	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 12:46	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 12:46	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 12:46	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 12:46	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 12:46	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 12:46	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 12:46	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 12:46	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 12:46	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 12:46	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 12:46	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 12:46	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 12:46	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 12:46	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 12:46	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 12:46	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 12:46	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 12:46	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 12:46	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 12:46	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 12:46	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 12:46	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 12:46	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 12:46	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 12:46	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 12:46	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*76 - 130*		*05/13/25 12:46*	*1*

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: Trip Blank
Lab Sample ID: 310-306065-16
Date Collected: 05/08/25 00:00
Matrix: Water
Date Received: 05/09/25 14:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/13/25 12:46*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/13/25 12:46*	*1*

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-306065-1	MW-31B	115	95	100
310-306065-1 MS	MW-31B	97	102	102
310-306065-1 MSD	MW-31B	94	101	97
310-306065-2	Dup-2	111	97	97
310-306065-3	MW-215A	109	95	97
310-306065-5	MW-24A	109	93	100
310-306065-6	Dup-1	113	95	97
310-306065-7	MW-216A	108	95	98
310-306065-8	MW-217A	112	97	99
310-306065-9	MW-218A	115	94	100
310-306065-10	MW-1A	112	94	98
310-306065-11	MW-2A-97	113	94	100
310-306065-12	MW-25A-00	110	95	94
310-306065-13	MW-23A	113	92	101
310-306065-14	MW-404	113	97	96
310-306065-15	MW-410	113	94	99
310-306065-16	Trip Blank	109	94	99
LCS 310-454398/7	Lab Control Sample	92	100	99
LCS 310-454398/8	Lab Control Sample	114	96	98
LCS 310-454418/7	Lab Control Sample	104	101	98
LCS 310-454418/8	Lab Control Sample	113	99	97
LCS 310-454525/7	Lab Control Sample	96	99	100
LCS 310-454525/8	Lab Control Sample	109	96	99
MB 310-454398/6	Method Blank	109	94	100
MB 310-454418/6	Method Blank	113	98	97
MB 310-454525/6	Method Blank	112	95	98

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(39-118)	(25-110)	(45-129)	(21-110)	(12-144)	(27-136)
310-306065-1	MW-31B	35 S1-	49	35 S1-	51	53	40
310-306065-3	MW-215A	73	56	72	52	67	69
310-306065-4	MW-12B	66		62		61	
310-306065-5	MW-24A	63	47	63	43	61	62
310-306065-10	MW-1A	101	67	89	61	80	80
310-306065-10	MW-1A	95	69	89	63	101	123
310-306065-11	MW-2A-97	88	60	76	54	73	70
310-306065-11	MW-2A-97	88	63	81	57	95	114
310-306065-12	MW-25A-00	84	63	72	55	71	69
310-306065-12	MW-25A-00	82	68	78	60	88	116
310-306065-13	MW-23A	84	63	75	54	74	72
310-306065-13	MW-23A	85	65	79	56	96	116

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(39-118)	(25-110)	(45-129)	(21-110)	(12-144)	(27-136)
LCS 310-454523/2-A	Lab Control Sample	71	65	77	54	80	84
LCSD 310-454523/3-A	Lab Control Sample Dup	76	65	79	54	80	88
MB 310-454523/1-A	Method Blank	85	65	84	59	82	86

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-306065-1	MW-31B	52	73
310-306065-1 MS	MW-31B	46	61
310-306065-1 MSD	MW-31B	48	64
310-306065-3	MW-215A	58	66
310-306065-5	MW-24A	49	60
310-306065-10	MW-1A	53	55
310-306065-11	MW-2A-97	54	69
310-306065-12	MW-25A-00	54	64
310-306065-13	MW-23A	56	74
LCS 310-454688/2-A	Lab Control Sample	45	60
MB 310-454688/1-A	Method Blank	46	68

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(10-150)	(17-150)
310-306065-1	MW-31B	52	73
310-306065-3	MW-215A	58	66
310-306065-3 MS	MW-215A	52	61
310-306065-3 MSD	MW-215A	61	66
310-306065-5	MW-24A	49	60
310-306065-10	MW-1A	53	55
310-306065-11	MW-2A-97	54	69
310-306065-12	MW-25A-00	54	64
310-306065-13	MW-23A	56	74
LCS 310-454688/31-A	Lab Control Sample	31	41
MB 310-454688/1-A	Method Blank	46	68

Surrogate Summary

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	DCPAA1 (34-142)	DCPAA2 (34-142)										
310-306065-1	MW-31B	60	56										
310-306065-3	MW-215A	53	48										
310-306065-5	MW-24A	76	57										
310-306065-10	MW-1A	54	51										
310-306065-11	MW-2A-97	53	54										
310-306065-12	MW-25A-00	67	60										
310-306065-13	MW-23A	63	57										
LCS 410-644073/2-A	Lab Control Sample	76	72										
LCS 410-644073/2-A - DL	Lab Control Sample	84	83										
LCSD 410-644073/3-A - DL	Lab Control Sample Dup	89	93										
LCSD 410-644073/3-A	Lab Control Sample Dup	89	78										
MB 410-644073/1-A	Method Blank	63	57										

Surrogate Legend

DCPAA = DCAA

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-454398/6
Matrix: Water
Analysis Batch: 454398

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 08:25	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 08:25	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 08:25	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 08:25	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 08:25	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 08:25	1
1,1-Dichloropropene	<1.00		1.00	0.430	ug/L			05/13/25 08:25	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 08:25	1
1,2,4-Trichlorobenzene	<5.00		5.00	0.750	ug/L			05/13/25 08:25	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 08:25	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 08:25	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 08:25	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 08:25	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 08:25	1
1,3-Dichlorobenzene	<1.00		1.00	0.300	ug/L			05/13/25 08:25	1
1,3-Dichloropropane	<1.00		1.00	0.400	ug/L			05/13/25 08:25	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 08:25	1
2,2-Dichloropropane	<4.00		4.00	0.690	ug/L			05/13/25 08:25	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 08:25	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 08:25	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 08:25	1
Acetone	<10.0		10.0	3.10	ug/L			05/13/25 08:25	1
Acrolein	<10.0		10.0	3.60	ug/L			05/13/25 08:25	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 08:25	1
Allyl chloride	<2.00		2.00	0.700	ug/L			05/13/25 08:25	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 08:25	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 08:25	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 08:25	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 08:25	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 08:25	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 08:25	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 08:25	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 08:25	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 08:25	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 08:25	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 08:25	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 08:25	1
Chloroprene	<1.00		1.00	0.230	ug/L			05/13/25 08:25	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 08:25	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 08:25	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 08:25	1
Dichlorodifluoromethane	<3.00		3.00	0.250	ug/L			05/13/25 08:25	1
Ethyl methacrylate	<2.00		2.00	0.680	ug/L			05/13/25 08:25	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 08:25	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 08:25	1
Methacrylonitrile	<10.0		10.0	3.30	ug/L			05/13/25 08:25	1
Methyl methacrylate	<2.00		2.00	0.760	ug/L			05/13/25 08:25	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 08:25	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-454398/6
Matrix: Water
Analysis Batch: 454398

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<5.00		5.00	3.00	ug/L			05/13/25 08:25	1
Propionitrile	<10.0		10.0	3.40	ug/L			05/13/25 08:25	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 08:25	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 08:25	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 08:25	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 08:25	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 08:25	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 08:25	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 08:25	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 08:25	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 08:25	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 08:25	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 08:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*76 - 130*		*05/13/25 08:25*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/13/25 08:25*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/13/25 08:25*	*1*

Lab Sample ID: LCS 310-454398/7
Matrix: Water
Analysis Batch: 454398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	21.40		ug/L		107	70 - 121
1,1,1-Trichloroethane	20.0	22.72		ug/L		114	69 - 130
1,1,2,2-Tetrachloroethane	20.0	19.89		ug/L		99	70 - 122
1,1,2-Trichloroethane	20.0	20.15		ug/L		101	75 - 121
1,1-Dichloroethane	20.0	23.19		ug/L		116	69 - 127
1,1-Dichloroethene	20.0	24.28		ug/L		121	64 - 134
1,1-Dichloropropene	20.0	22.70		ug/L		114	70 - 133
1,2,3-Trichloropropane	20.0	19.54		ug/L		98	70 - 122
1,2,4-Trichlorobenzene	20.0	20.91		ug/L		105	69 - 125
1,2-Dibromo-3-Chloropropane	20.0	21.83		ug/L		109	62 - 132
1,2-Dibromoethane (EDB)	20.0	19.47		ug/L		97	74 - 122
1,2-Dichlorobenzene	20.0	21.59		ug/L		108	74 - 120
1,2-Dichloroethane	20.0	22.31		ug/L		112	68 - 125
1,2-Dichloropropane	20.0	22.21		ug/L		111	72 - 128
1,3-Dichlorobenzene	20.0	20.84		ug/L		104	71 - 120
1,3-Dichloropropane	20.0	21.11		ug/L		106	72 - 125
1,4-Dichlorobenzene	20.0	20.82		ug/L		104	72 - 120
2,2-Dichloropropane	20.0	21.32		ug/L		107	51 - 146
2-Butanone (MEK)	40.0	42.83		ug/L		107	60 - 134
2-Hexanone	40.0	41.34		ug/L		103	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	44.73		ug/L		112	62 - 136
Acetone	40.0	43.74		ug/L		109	59 - 136
Acrolein	94.8	103.8		ug/L		109	50 - 150
Acrylonitrile	200	225.1		ug/L		113	50 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454398/7
Matrix: Water
Analysis Batch: 454398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Allyl chloride	20.0	21.03		ug/L		105	61 - 136
Benzene	20.0	22.56		ug/L		113	71 - 125
Bromochloromethane	20.0	22.53		ug/L		113	69 - 131
Bromodichloromethane	20.0	21.14		ug/L		106	70 - 122
Bromoform	20.0	19.99		ug/L		100	62 - 122
Carbon disulfide	20.0	24.72		ug/L		124	58 - 137
Carbon tetrachloride	20.0	23.58		ug/L		118	63 - 136
Chlorobenzene	20.0	21.58		ug/L		108	74 - 120
Chlorodibromomethane	20.0	20.31		ug/L		102	69 - 121
Chloroform	20.0	23.36		ug/L		117	72 - 122
Chloroprene	20.0	22.96		ug/L		115	67 - 136
cis-1,2-Dichloroethene	20.0	22.60		ug/L		113	72 - 123
cis-1,3-Dichloropropene	20.0	21.32		ug/L		107	72 - 123
Dibromomethane	20.0	22.89		ug/L		114	72 - 122
Ethyl methacrylate	20.0	22.49		ug/L		112	68 - 128
Ethylbenzene	20.0	22.39		ug/L		112	75 - 120
Iodomethane	20.0	17.83		ug/L		89	18 - 150
Methacrylonitrile	200	199.9		ug/L		100	67 - 128
Methyl methacrylate	40.0	43.92		ug/L		110	69 - 129
Methylene Chloride	20.0	23.29		ug/L		116	72 - 128
Naphthalene	20.0	20.72		ug/L		104	69 - 126
Propionitrile	200	227.6		ug/L		114	68 - 131
Styrene	20.0	20.47		ug/L		102	74 - 122
Tetrachloroethene	20.0	22.43		ug/L		112	70 - 128
Toluene	20.0	22.78		ug/L		114	74 - 120
trans-1,2-Dichloroethene	20.0	23.60		ug/L		118	67 - 127
trans-1,3-Dichloropropene	20.0	19.21		ug/L		96	67 - 123
trans-1,4-Dichloro-2-butene	20.0	21.88		ug/L		109	50 - 150
Trichloroethene	20.0	20.73		ug/L		104	70 - 128
Vinyl acetate	40.0	39.12		ug/L		98	50 - 150
Xylenes, Total	40.0	44.55		ug/L		111	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*76 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: LCS 310-454398/8
Matrix: Water
Analysis Batch: 454398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	13.20		ug/L		66	33 - 138
Chloroethane	20.0	16.04		ug/L		80	59 - 139
Chloromethane	20.0	17.16		ug/L		86	52 - 146
Dichlorodifluoromethane	20.0	19.43		ug/L		97	45 - 150
Trichlorofluoromethane	20.0	17.13		ug/L		86	55 - 150
Vinyl chloride	20.0	14.91		ug/L		75	60 - 142

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454398/8
Matrix: Water
Analysis Batch: 454398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*114*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

Lab Sample ID: 310-306065-1 MS
Matrix: Water
Analysis Batch: 454398

Client Sample ID: MW-31B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<1.00		25.0	22.39		ug/L		90	55 - 121
1,1,1-Trichloroethane	<1.00		25.0	22.19		ug/L		89	53 - 130
1,1,2,2-Tetrachloroethane	<1.00		25.0	21.59		ug/L		86	55 - 123
1,1,2-Trichloroethane	<1.00		25.0	21.02		ug/L		84	60 - 121
1,1-Dichloroethane	<1.00		25.0	22.55		ug/L		90	53 - 127
1,1-Dichloroethene	<2.00		25.0	23.80		ug/L		95	51 - 134
1,1-Dichloropropene	<1.00		25.0	23.36		ug/L		93	55 - 133
1,2,3-Trichloropropane	<1.00		25.0	21.30		ug/L		85	56 - 122
1,2,4-Trichlorobenzene	<5.00		25.0	22.07		ug/L		88	55 - 126
1,2-Dibromo-3-Chloropropane	<1.20		25.0	23.07		ug/L		92	44 - 138
1,2-Dibromoethane (EDB)	<0.340		25.0	19.69		ug/L		79	60 - 122
1,2-Dichlorobenzene	<1.00		25.0	22.59		ug/L		90	60 - 120
1,2-Dichloroethane	<1.00		25.0	22.54		ug/L		90	48 - 128
1,2-Dichloropropane	<1.00		25.0	22.68		ug/L		91	59 - 128
1,3-Dichlorobenzene	<1.00		25.0	22.07		ug/L		88	58 - 120
1,3-Dichloropropane	<1.00		25.0	20.80		ug/L		83	58 - 125
1,4-Dichlorobenzene	<1.00		25.0	21.65		ug/L		87	58 - 120
2,2-Dichloropropane	<4.00		25.0	15.86		ug/L		63	34 - 146
2-Butanone (MEK)	<10.0		50.0	46.47		ug/L		93	46 - 134
2-Hexanone	<10.0		50.0	43.83		ug/L		88	46 - 141
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	46.94		ug/L		94	49 - 138
Acetone	<10.0		50.0	56.02		ug/L		112	39 - 141
Acrolein	<10.0		119	85.72		ug/L		72	39 - 150
Acrylonitrile	<5.00		250	227.7		ug/L		91	41 - 150
Allyl chloride	<2.00		25.0	19.78		ug/L		79	47 - 136
Benzene	<0.500		25.0	22.00		ug/L		88	48 - 125
Bromochloromethane	<5.00		25.0	22.52		ug/L		90	55 - 131
Bromodichloromethane	<1.00		25.0	20.95		ug/L		84	53 - 122
Bromoform	<5.00		25.0	21.23		ug/L		85	47 - 122
Carbon disulfide	<1.00		25.0	27.54		ug/L		110	45 - 137
Carbon tetrachloride	<2.00		25.0	23.56		ug/L		94	45 - 136
Chlorobenzene	<1.00		25.0	21.59		ug/L		86	59 - 120
Chlorodibromomethane	<5.00		25.0	19.97		ug/L		80	53 - 121
Chloroform	<3.00		25.0	23.10		ug/L		92	52 - 122
Chloroprene	<1.00		25.0	23.23		ug/L		93	48 - 136
cis-1,2-Dichloroethene	<1.00		25.0	22.97		ug/L		92	51 - 123
cis-1,3-Dichloropropene	<5.00		25.0	19.92		ug/L		80	55 - 123
Dibromomethane	<1.00		25.0	23.13		ug/L		93	57 - 122
Ethyl methacrylate	<2.00		25.0	23.38		ug/L		94	53 - 129

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-306065-1 MS
Matrix: Water
Analysis Batch: 454398

Client Sample ID: MW-31B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<1.00		25.0	22.88		ug/L		92	53 - 120
Iodomethane	<10.0		25.0	21.19		ug/L		85	18 - 150
Methacrylonitrile	<10.0		250	207.9		ug/L		83	53 - 128
Methyl methacrylate	<2.00		50.0	44.14		ug/L		88	48 - 137
Methylene Chloride	<5.00		25.0	24.13		ug/L		97	59 - 128
Naphthalene	<5.00		25.0	22.32		ug/L		89	45 - 144
Propionitrile	<10.0		250	238.4		ug/L		95	56 - 131
Styrene	<1.00		25.0	20.59		ug/L		82	50 - 125
Tetrachloroethene	<1.00		25.0	23.35		ug/L		93	51 - 128
Toluene	<1.00		25.0	22.90		ug/L		92	52 - 120
trans-1,2-Dichloroethene	<1.00		25.0	24.41		ug/L		98	53 - 127
trans-1,3-Dichloropropene	<5.00		25.0	19.03		ug/L		76	50 - 123
trans-1,4-Dichloro-2-butene	<10.0		25.0	20.85		ug/L		83	28 - 150
Trichloroethene	<1.00		25.0	21.56		ug/L		86	50 - 128
Vinyl acetate	<10.0		50.0	34.11		ug/L		68	31 - 150
Xylenes, Total	<3.00		50.0	45.52		ug/L		91	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*76 - 130*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*

Lab Sample ID: 310-306065-1 MSD
Matrix: Water
Analysis Batch: 454398

Client Sample ID: MW-31B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<1.00		25.0	22.05		ug/L		88	55 - 121	2	20
1,1,1-Trichloroethane	<1.00		25.0	21.29		ug/L		85	53 - 130	4	20
1,1,2,2-Tetrachloroethane	<1.00		25.0	20.93		ug/L		84	55 - 123	3	20
1,1,2-Trichloroethane	<1.00		25.0	20.63		ug/L		83	60 - 121	2	20
1,1-Dichloroethane	<1.00		25.0	22.20		ug/L		89	53 - 127	2	20
1,1-Dichloroethene	<2.00		25.0	23.70		ug/L		95	51 - 134	0	20
1,1-Dichloropropene	<1.00		25.0	22.18		ug/L		89	55 - 133	5	20
1,2,3-Trichloropropane	<1.00		25.0	20.84		ug/L		83	56 - 122	2	21
1,2,4-Trichlorobenzene	<5.00		25.0	22.52		ug/L		90	55 - 126	2	20
1,2-Dibromo-3-Chloropropane	<1.20		25.0	23.09		ug/L		92	44 - 138	0	24
1,2-Dibromoethane (EDB)	<0.340		25.0	18.76		ug/L		75	60 - 122	5	20
1,2-Dichlorobenzene	<1.00		25.0	22.60		ug/L		90	60 - 120	0	20
1,2-Dichloroethane	<1.00		25.0	21.39		ug/L		86	48 - 128	5	20
1,2-Dichloropropane	<1.00		25.0	21.19		ug/L		85	59 - 128	7	20
1,3-Dichlorobenzene	<1.00		25.0	22.01		ug/L		88	58 - 120	0	20
1,3-Dichloropropane	<1.00		25.0	19.98		ug/L		80	58 - 125	4	20
1,4-Dichlorobenzene	<1.00		25.0	20.95		ug/L		84	58 - 120	3	20
2,2-Dichloropropane	<4.00		25.0	15.04		ug/L		60	34 - 146	5	20
2-Butanone (MEK)	<10.0		50.0	46.85		ug/L		94	46 - 134	1	23
2-Hexanone	<10.0		50.0	42.47		ug/L		85	46 - 141	3	20
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	45.78		ug/L		92	49 - 138	2	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-306065-1 MSD
Client Sample ID: MW-31B
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454398

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	<10.0		50.0	55.30		ug/L		111	39 - 141	1	23
Acrolein	<10.0		119	85.58		ug/L		72	39 - 150	0	33
Acrylonitrile	<5.00		250	222.5		ug/L		89	41 - 150	2	20
Allyl chloride	<2.00		25.0	19.91		ug/L		80	47 - 136	1	33
Benzene	<0.500		25.0	21.14		ug/L		85	48 - 125	4	20
Bromochloromethane	<5.00		25.0	21.17		ug/L		85	55 - 131	6	21
Bromodichloromethane	<1.00		25.0	20.41		ug/L		82	53 - 122	3	20
Bromoform	<5.00		25.0	21.20		ug/L		85	47 - 122	0	20
Carbon disulfide	<1.00		25.0	24.03		ug/L		96	45 - 137	14	24
Carbon tetrachloride	<2.00		25.0	23.51		ug/L		94	45 - 136	0	20
Chlorobenzene	<1.00		25.0	21.32		ug/L		85	59 - 120	1	20
Chlorodibromomethane	<5.00		25.0	19.80		ug/L		79	53 - 121	1	20
Chloroform	<3.00		25.0	21.99		ug/L		88	52 - 122	5	20
Chloroprene	<1.00		25.0	22.76		ug/L		91	48 - 136	2	20
cis-1,2-Dichloroethene	<1.00		25.0	21.25		ug/L		85	51 - 123	8	20
cis-1,3-Dichloropropene	<5.00		25.0	19.02		ug/L		76	55 - 123	5	20
Dibromomethane	<1.00		25.0	22.73		ug/L		91	57 - 122	2	20
Ethyl methacrylate	<2.00		25.0	21.75		ug/L		87	53 - 129	7	20
Ethylbenzene	<1.00		25.0	22.22		ug/L		89	53 - 120	3	20
Iodomethane	<10.0		25.0	24.93		ug/L		100	18 - 150	16	32
Methacrylonitrile	<10.0		250	198.1		ug/L		79	53 - 128	5	20
Methyl methacrylate	<2.00		50.0	43.76		ug/L		88	48 - 137	1	20
Methylene Chloride	<5.00		25.0	22.86		ug/L		91	59 - 128	5	20
Naphthalene	<5.00		25.0	22.98		ug/L		92	45 - 144	3	32
Propionitrile	<10.0		250	227.9		ug/L		91	56 - 131	4	20
Styrene	<1.00		25.0	20.28		ug/L		81	50 - 125	2	20
Tetrachloroethene	<1.00		25.0	22.03		ug/L		88	51 - 128	6	20
Toluene	<1.00		25.0	22.28		ug/L		89	52 - 120	3	20
trans-1,2-Dichloroethene	<1.00		25.0	22.57		ug/L		90	53 - 127	8	20
trans-1,3-Dichloropropene	<5.00		25.0	17.93		ug/L		72	50 - 123	6	20
trans-1,4-Dichloro-2-butene	<10.0		25.0	20.45		ug/L		82	28 - 150	2	24
Trichloroethene	<1.00		25.0	19.85		ug/L		79	50 - 128	8	20
Vinyl acetate	<10.0		50.0	32.50		ug/L		65	31 - 150	5	25
Xylenes, Total	<3.00		50.0	44.57		ug/L		89	50 - 122	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*76 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 310-454418/6
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454418

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/12/25 23:49	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/12/25 23:49	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/12/25 23:49	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-454418/6
Matrix: Water
Analysis Batch: 454418

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*05/12/25 23:49*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/12/25 23:49*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/12/25 23:49*	*1*

Lab Sample ID: LCS 310-454418/7
Matrix: Water
Analysis Batch: 454418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Tetrachloroethene			20.0	19.98		ug/L		100	70 - 128		
Trichloroethene			20.0	19.27		ug/L		96	70 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*104*		*76 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

Lab Sample ID: LCS 310-454418/8
Matrix: Water
Analysis Batch: 454418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Vinyl chloride			20.0	19.59		ug/L		98	60 - 142		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*113*		*76 - 130*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 310-454525/6
Matrix: Water
Analysis Batch: 454525

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/13/25 20:39	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/13/25 20:39	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/13/25 20:39	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/13/25 20:39	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/13/25 20:39	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/13/25 20:39	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/13/25 20:39	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/13/25 20:39	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/13/25 20:39	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/13/25 20:39	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/13/25 20:39	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/13/25 20:39	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/13/25 20:39	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/13/25 20:39	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-454525/6
Matrix: Water
Analysis Batch: 454525

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	<10.0		10.0	2.00	ug/L			05/13/25 20:39	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/13/25 20:39	1
Acetone	<10.0		10.0	3.10	ug/L			05/13/25 20:39	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/13/25 20:39	1
Benzene	<0.500		0.500	0.220	ug/L			05/13/25 20:39	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/13/25 20:39	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/13/25 20:39	1
Bromoform	<5.00		5.00	0.780	ug/L			05/13/25 20:39	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/13/25 20:39	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/13/25 20:39	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/13/25 20:39	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/13/25 20:39	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/13/25 20:39	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/13/25 20:39	1
Chloroform	<3.00		3.00	1.30	ug/L			05/13/25 20:39	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/13/25 20:39	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/13/25 20:39	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/13/25 20:39	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/13/25 20:39	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/13/25 20:39	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/13/25 20:39	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/13/25 20:39	1
Styrene	<1.00		1.00	0.370	ug/L			05/13/25 20:39	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/13/25 20:39	1
Toluene	<1.00		1.00	0.430	ug/L			05/13/25 20:39	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/13/25 20:39	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/13/25 20:39	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/13/25 20:39	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/13/25 20:39	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/13/25 20:39	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/13/25 20:39	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/13/25 20:39	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/13/25 20:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*76 - 130*		*05/13/25 20:39*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/13/25 20:39*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/13/25 20:39*	*1*

Lab Sample ID: LCS 310-454525/7
Matrix: Water
Analysis Batch: 454525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.99		ug/L		100	70 - 121
1,1,1-Trichloroethane	20.0	19.92		ug/L		100	69 - 130
1,1,2,2-Tetrachloroethane	20.0	18.41		ug/L		92	70 - 122
1,1,2-Trichloroethane	20.0	19.09		ug/L		95	75 - 121

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454525/7
Matrix: Water
Analysis Batch: 454525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	20.0	20.92		ug/L		105	69 - 127
1,1-Dichloroethene	20.0	21.66		ug/L		108	64 - 134
1,2,3-Trichloropropane	20.0	19.00		ug/L		95	70 - 122
1,2-Dibromo-3-Chloropropane	20.0	19.49		ug/L		97	62 - 132
1,2-Dibromoethane (EDB)	20.0	17.96		ug/L		90	74 - 122
1,2-Dichlorobenzene	20.0	19.78		ug/L		99	74 - 120
1,2-Dichloroethane	20.0	21.42		ug/L		107	68 - 125
1,2-Dichloropropane	20.0	19.97		ug/L		100	72 - 128
1,4-Dichlorobenzene	20.0	19.36		ug/L		97	72 - 120
2-Butanone (MEK)	40.0	46.95		ug/L		117	60 - 134
2-Hexanone	40.0	39.21		ug/L		98	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	41.76		ug/L		104	62 - 136
Acetone	40.0	49.48		ug/L		124	59 - 136
Acrylonitrile	200	209.1		ug/L		105	50 - 150
Benzene	20.0	20.26		ug/L		101	71 - 125
Bromochloromethane	20.0	20.31		ug/L		102	69 - 131
Bromodichloromethane	20.0	19.18		ug/L		96	70 - 122
Bromoform	20.0	19.04		ug/L		95	62 - 122
Carbon disulfide	20.0	21.94		ug/L		110	58 - 137
Carbon tetrachloride	20.0	21.71		ug/L		109	63 - 136
Chlorobenzene	20.0	19.30		ug/L		97	74 - 120
Chlorodibromomethane	20.0	18.06		ug/L		90	69 - 121
Chloroform	20.0	21.35		ug/L		107	72 - 122
cis-1,2-Dichloroethene	20.0	20.50		ug/L		103	72 - 123
cis-1,3-Dichloropropene	20.0	17.93		ug/L		90	72 - 123
Dibromomethane	20.0	21.07		ug/L		105	72 - 122
Ethylbenzene	20.0	20.18		ug/L		101	75 - 120
Iodomethane	20.0	15.50		ug/L		78	18 - 150
Methylene Chloride	20.0	21.50		ug/L		107	72 - 128
Styrene	20.0	17.85		ug/L		89	74 - 122
Tetrachloroethene	20.0	20.30		ug/L		102	70 - 128
Toluene	20.0	20.42		ug/L		102	74 - 120
trans-1,2-Dichloroethene	20.0	21.13		ug/L		106	67 - 127
trans-1,3-Dichloropropene	20.0	17.14		ug/L		86	67 - 123
trans-1,4-Dichloro-2-butene	20.0	17.43		ug/L		87	50 - 150
Trichloroethene	20.0	19.10		ug/L		95	70 - 128
Vinyl acetate	40.0	33.07		ug/L		83	50 - 150
Xylenes, Total	40.0	39.50		ug/L		99	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*76 - 130*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454525/8
Matrix: Water
Analysis Batch: 454525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	15.27		ug/L		76	33 - 138
Chloroethane	20.0	17.57		ug/L		88	59 - 139
Chloromethane	20.0	18.99		ug/L		95	52 - 146
Trichlorofluoromethane	20.0	18.61		ug/L		93	55 - 150
Vinyl chloride	20.0	17.52		ug/L		88	60 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*109*		*76 - 130*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-454523/1-A
Matrix: Water
Analysis Batch: 454595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454523

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		05/13/25 11:58	05/14/25 13:11	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		05/13/25 11:58	05/14/25 13:11	1
Acetophenone	<10.0		10.0	0.690	ug/L		05/13/25 11:58	05/14/25 13:11	1
Anthracene	<10.0		10.0	0.870	ug/L		05/13/25 11:58	05/14/25 13:11	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		05/13/25 11:58	05/14/25 13:11	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		05/13/25 11:58	05/14/25 13:11	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		05/13/25 11:58	05/14/25 13:11	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		05/13/25 11:58	05/14/25 13:11	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		05/13/25 11:58	05/14/25 13:11	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		05/13/25 11:58	05/14/25 13:11	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		05/13/25 11:58	05/14/25 13:11	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		05/13/25 11:58	05/14/25 13:11	1
bis (2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		05/13/25 11:58	05/14/25 13:11	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		05/13/25 11:58	05/14/25 13:11	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		05/13/25 11:58	05/14/25 13:11	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		05/13/25 11:58	05/14/25 13:11	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		05/13/25 11:58	05/14/25 13:11	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		05/13/25 11:58	05/14/25 13:11	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		05/13/25 11:58	05/14/25 13:11	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		05/13/25 11:58	05/14/25 13:11	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		05/13/25 11:58	05/14/25 13:11	1
Chrysene	<10.0		10.0	0.870	ug/L		05/13/25 11:58	05/14/25 13:11	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		05/13/25 11:58	05/14/25 13:11	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		05/13/25 11:58	05/14/25 13:11	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		05/13/25 11:58	05/14/25 13:11	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		05/13/25 11:58	05/14/25 13:11	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		05/13/25 11:58	05/14/25 13:11	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		05/13/25 11:58	05/14/25 13:11	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		05/13/25 11:58	05/14/25 13:11	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		05/13/25 11:58	05/14/25 13:11	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-454523/1-A
Matrix: Water
Analysis Batch: 454595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454523

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		05/13/25 11:58	05/14/25 13:11	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		05/13/25 11:58	05/14/25 13:11	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		05/13/25 11:58	05/14/25 13:11	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		05/13/25 11:58	05/14/25 13:11	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		05/13/25 11:58	05/14/25 13:11	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		05/13/25 11:58	05/14/25 13:11	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		05/13/25 11:58	05/14/25 13:11	1
Diphenylamine	<10.0		10.0	6.00	ug/L		05/13/25 11:58	05/14/25 13:11	1
Fluoranthene	<10.0		10.0	1.70	ug/L		05/13/25 11:58	05/14/25 13:11	1
Fluorene	<10.0		10.0	0.790	ug/L		05/13/25 11:58	05/14/25 13:11	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		05/13/25 11:58	05/14/25 13:11	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		05/13/25 11:58	05/14/25 13:11	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		05/13/25 11:58	05/14/25 13:11	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		05/13/25 11:58	05/14/25 13:11	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		05/13/25 11:58	05/14/25 13:11	1
Isophorone	<10.0		10.0	0.930	ug/L		05/13/25 11:58	05/14/25 13:11	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		05/13/25 11:58	05/14/25 13:11	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		05/13/25 11:58	05/14/25 13:11	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		05/13/25 11:58	05/14/25 13:11	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		05/13/25 11:58	05/14/25 13:11	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		05/13/25 11:58	05/14/25 13:11	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		05/13/25 11:58	05/14/25 13:11	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		05/13/25 11:58	05/14/25 13:11	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		05/13/25 11:58	05/14/25 13:11	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		05/13/25 11:58	05/14/25 13:11	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		05/13/25 11:58	05/14/25 13:11	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		05/13/25 11:58	05/14/25 13:11	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		05/13/25 11:58	05/14/25 13:11	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		05/13/25 11:58	05/14/25 13:11	1
Phenanthrene	<10.0		10.0	0.790	ug/L		05/13/25 11:58	05/14/25 13:11	1
Phenol	<10.0		10.0	1.10	ug/L		05/13/25 11:58	05/14/25 13:11	1
Pyrene	<10.0		10.0	0.790	ug/L		05/13/25 11:58	05/14/25 13:11	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		05/13/25 11:58	05/14/25 13:11	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		05/13/25 11:58	05/14/25 13:11	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		05/13/25 11:58	05/14/25 13:11	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		05/13/25 11:58	05/14/25 13:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*85*		*39 - 118*	*05/13/25 11:58*	*05/14/25 13:11*	*1*
2-Fluorophenol (Surr)	*65*		*25 - 110*	*05/13/25 11:58*	*05/14/25 13:11*	*1*
Nitrobenzene-d5 (Surr)	*84*		*45 - 129*	*05/13/25 11:58*	*05/14/25 13:11*	*1*
Phenol-d5 (Surr)	*59*		*21 - 110*	*05/13/25 11:58*	*05/14/25 13:11*	*1*
Terphenyl-d14 (Surr)	*82*		*12 - 144*	*05/13/25 11:58*	*05/14/25 13:11*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*27 - 136*	*05/13/25 11:58*	*05/14/25 13:11*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-454523/1-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454523

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<10.0		10.0	0.640	ug/L		05/13/25 11:58	05/15/25 20:01	1
Acenaphthylene	<10.0		10.0	0.720	ug/L		05/13/25 11:58	05/15/25 20:01	1
Acetophenone	<10.0		10.0	0.690	ug/L		05/13/25 11:58	05/15/25 20:01	1
2-Acetylaminofluorene	<10.0		10.0	2.70	ug/L		05/13/25 11:58	05/15/25 20:01	1
4-Aminobiphenyl	<10.0		10.0	2.20	ug/L		05/13/25 11:58	05/15/25 20:01	1
Anthracene	<10.0		10.0	0.870	ug/L		05/13/25 11:58	05/15/25 20:01	1
Benzo[a]anthracene	<10.0		10.0	0.850	ug/L		05/13/25 11:58	05/15/25 20:01	1
Benzo[a]pyrene	<10.0		10.0	8.10	ug/L		05/13/25 11:58	05/15/25 20:01	1
Benzo[b]fluoranthene	<10.0		10.0	4.90	ug/L		05/13/25 11:58	05/15/25 20:01	1
Benzo[g,h,i]perylene	<10.0		10.0	6.30	ug/L		05/13/25 11:58	05/15/25 20:01	1
Benzo[k]fluoranthene	<10.0		10.0	2.20	ug/L		05/13/25 11:58	05/15/25 20:01	1
Benzyl alcohol	<10.0		10.0	1.30	ug/L		05/13/25 11:58	05/15/25 20:01	1
Bis(2-chloroethoxy)methane	<10.0		10.0	0.760	ug/L		05/13/25 11:58	05/15/25 20:01	1
Bis(2-chloroethyl)ether	<10.0		10.0	0.820	ug/L		05/13/25 11:58	05/15/25 20:01	1
bis (2-chloroisopropyl) ether	<10.0		10.0	0.540	ug/L		05/13/25 11:58	05/15/25 20:01	1
Bis(2-ethylhexyl) phthalate	<10.0		10.0	5.50	ug/L		05/13/25 11:58	05/15/25 20:01	1
4-Bromophenyl phenyl ether	<10.0		10.0	0.700	ug/L		05/13/25 11:58	05/15/25 20:01	1
Butyl benzyl phthalate	<10.0		10.0	5.40	ug/L		05/13/25 11:58	05/15/25 20:01	1
4-Chloroaniline	<10.0		10.0	0.620	ug/L		05/13/25 11:58	05/15/25 20:01	1
Chlorobenzilate	<10.0		10.0	3.60	ug/L		05/13/25 11:58	05/15/25 20:01	1
4-Chloro-3-methylphenol	<10.0		10.0	0.840	ug/L		05/13/25 11:58	05/15/25 20:01	1
2-Chloronaphthalene	<10.0		10.0	0.640	ug/L		05/13/25 11:58	05/15/25 20:01	1
2-Chlorophenol	<10.0		10.0	0.540	ug/L		05/13/25 11:58	05/15/25 20:01	1
4-Chlorophenyl phenyl ether	<10.0		10.0	0.690	ug/L		05/13/25 11:58	05/15/25 20:01	1
Chrysene	<10.0		10.0	0.870	ug/L		05/13/25 11:58	05/15/25 20:01	1
Diallate	<10.0		10.0	4.00	ug/L		05/13/25 11:58	05/15/25 20:01	1
Dibenzo(a,h)anthracene	<10.0		10.0	3.90	ug/L		05/13/25 11:58	05/15/25 20:01	1
Dibenzofuran	<10.0		10.0	0.740	ug/L		05/13/25 11:58	05/15/25 20:01	1
3,3'-Dichlorobenzidine	<10.0		10.0	1.40	ug/L		05/13/25 11:58	05/15/25 20:01	1
2,4-Dichlorophenol	<10.0		10.0	0.850	ug/L		05/13/25 11:58	05/15/25 20:01	1
2,6-Dichlorophenol	<10.0		10.0	0.690	ug/L		05/13/25 11:58	05/15/25 20:01	1
Diethyl phthalate	<10.0		10.0	1.70	ug/L		05/13/25 11:58	05/15/25 20:01	1
Dimethoate	<10.0		10.0	3.60	ug/L		05/13/25 11:58	05/15/25 20:01	1
7,12-Dimethylbenz(a)anthracene	<10.0		10.0	1.90	ug/L		05/13/25 11:58	05/15/25 20:01	1
3,3'-Dimethylbenzidine	<10.0		10.0	1.50	ug/L		05/13/25 11:58	05/15/25 20:01	1
2,4-Dimethylphenol	<10.0		10.0	0.580	ug/L		05/13/25 11:58	05/15/25 20:01	1
Dimethyl phthalate	<10.0		10.0	1.00	ug/L		05/13/25 11:58	05/15/25 20:01	1
Di-n-butyl phthalate	<10.0		10.0	5.60	ug/L		05/13/25 11:58	05/15/25 20:01	1
1,3-Dinitrobenzene	<10.0		10.0	3.20	ug/L		05/13/25 11:58	05/15/25 20:01	1
4,6-Dinitro-2-methylphenol	<10.0		10.0	6.90	ug/L		05/13/25 11:58	05/15/25 20:01	1
2,4-Dinitrophenol	<20.0		20.0	13.0	ug/L		05/13/25 11:58	05/15/25 20:01	1
2,4-Dinitrotoluene	<10.0		10.0	6.40	ug/L		05/13/25 11:58	05/15/25 20:01	1
2,6-Dinitrotoluene	<10.0		10.0	0.520	ug/L		05/13/25 11:58	05/15/25 20:01	1
Di-n-octyl phthalate	<20.0		20.0	7.00	ug/L		05/13/25 11:58	05/15/25 20:01	1
Dinoseb	<10.0		10.0	2.40	ug/L		05/13/25 11:58	05/15/25 20:01	1
Diphenylamine	<10.0		10.0	6.00	ug/L		05/13/25 11:58	05/15/25 20:01	1
Disulfoton	<10.0		10.0	2.40	ug/L		05/13/25 11:58	05/15/25 20:01	1
Ethyl methanesulfonate	<10.0		10.0	3.60	ug/L		05/13/25 11:58	05/15/25 20:01	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-454523/1-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454523

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl Parathion	<10.0		10.0	2.20	ug/L		05/13/25 11:58	05/15/25 20:01	1
Fluoranthene	<10.0		10.0	1.70	ug/L		05/13/25 11:58	05/15/25 20:01	1
Fluorene	<10.0		10.0	0.790	ug/L		05/13/25 11:58	05/15/25 20:01	1
Hexachlorobenzene	<10.0		10.0	0.700	ug/L		05/13/25 11:58	05/15/25 20:01	1
Hexachlorobutadiene	<10.0		10.0	0.860	ug/L		05/13/25 11:58	05/15/25 20:01	1
Hexachlorocyclopentadiene	<10.0		10.0	5.10	ug/L		05/13/25 11:58	05/15/25 20:01	1
Hexachloroethane	<10.0		10.0	0.970	ug/L		05/13/25 11:58	05/15/25 20:01	1
Hexachloropropene	<10.0		10.0	2.60	ug/L		05/13/25 11:58	05/15/25 20:01	1
Indeno[1,2,3-cd]pyrene	<10.0		10.0	4.20	ug/L		05/13/25 11:58	05/15/25 20:01	1
Isodrin	<10.0		10.0	4.70	ug/L		05/13/25 11:58	05/15/25 20:01	1
Isophorone	<10.0		10.0	0.930	ug/L		05/13/25 11:58	05/15/25 20:01	1
Isosafrole	<10.0		10.0	2.30	ug/L		05/13/25 11:58	05/15/25 20:01	1
Kepone	<10.0		10.0	1.00	ug/L		05/13/25 11:58	05/15/25 20:01	1
Methapyrilene	<10.0		10.0	0.760	ug/L		05/13/25 11:58	05/15/25 20:01	1
3-Methylcholanthrene	<10.0		10.0	0.320	ug/L		05/13/25 11:58	05/15/25 20:01	1
Methyl methanesulfonate	<10.0		10.0	3.30	ug/L		05/13/25 11:58	05/15/25 20:01	1
2-Methylnaphthalene	<10.0		10.0	0.590	ug/L		05/13/25 11:58	05/15/25 20:01	1
Methyl parathion	<10.0		10.0	2.30	ug/L		05/13/25 11:58	05/15/25 20:01	1
2-Methylphenol	<10.0		10.0	0.650	ug/L		05/13/25 11:58	05/15/25 20:01	1
Methylphenol, 3 & 4	<10.0		10.0	0.700	ug/L		05/13/25 11:58	05/15/25 20:01	1
1,4-Naphthoquinone	<10.0		10.0	3.60	ug/L		05/13/25 11:58	05/15/25 20:01	1
1-Naphthylamine	<10.0		10.0	2.50	ug/L		05/13/25 11:58	05/15/25 20:01	1
2-Naphthylamine	<10.0		10.0	2.10	ug/L		05/13/25 11:58	05/15/25 20:01	1
2-Nitroaniline	<10.0		10.0	5.90	ug/L		05/13/25 11:58	05/15/25 20:01	1
3-Nitroaniline	<10.0		10.0	2.70	ug/L		05/13/25 11:58	05/15/25 20:01	1
4-Nitroaniline	<10.0		10.0	1.30	ug/L		05/13/25 11:58	05/15/25 20:01	1
Nitrobenzene	<10.0		10.0	0.800	ug/L		05/13/25 11:58	05/15/25 20:01	1
5-Nitro-o-toluidine	<10.0		10.0	2.80	ug/L		05/13/25 11:58	05/15/25 20:01	1
2-Nitrophenol	<10.0		10.0	6.80	ug/L		05/13/25 11:58	05/15/25 20:01	1
4-Nitrophenol	<10.0		10.0	7.60	ug/L		05/13/25 11:58	05/15/25 20:01	1
N-Nitrosodiethylamine	<10.0		10.0	3.40	ug/L		05/13/25 11:58	05/15/25 20:01	1
N-Nitrosodimethylamine	<10.0		10.0	0.720	ug/L		05/13/25 11:58	05/15/25 20:01	1
N-Nitrosodi-n-butylamine	<10.0		10.0	3.90	ug/L		05/13/25 11:58	05/15/25 20:01	1
N-Nitrosodi-n-propylamine	<10.0		10.0	0.920	ug/L		05/13/25 11:58	05/15/25 20:01	1
N-Nitrosodiphenylamine	<10.0		10.0	0.750	ug/L		05/13/25 11:58	05/15/25 20:01	1
N-Nitrosomethylethylamine	<10.0		10.0	4.90	ug/L		05/13/25 11:58	05/15/25 20:01	1
N-Nitrosopiperidine	<10.0		10.0	2.70	ug/L		05/13/25 11:58	05/15/25 20:01	1
N-Nitrosopyrrolidine	<10.0		10.0	3.60	ug/L		05/13/25 11:58	05/15/25 20:01	1
o,o',o''-Triethylphosphorothioate	<10.0		10.0	3.20	ug/L		05/13/25 11:58	05/15/25 20:01	1
o-Toluidine	<10.0		10.0	2.90	ug/L		05/13/25 11:58	05/15/25 20:01	1
p-Dimethylamino azobenzene	<10.0		10.0	2.20	ug/L		05/13/25 11:58	05/15/25 20:01	1
Pentachlorobenzene	<10.0		10.0	2.80	ug/L		05/13/25 11:58	05/15/25 20:01	1
Pentachloronitrobenzene	<10.0		10.0	5.80	ug/L		05/13/25 11:58	05/15/25 20:01	1
Pentachlorophenol	<10.0		10.0	9.60	ug/L		05/13/25 11:58	05/15/25 20:01	1
Phenacetin	<10.0		10.0	1.90	ug/L		05/13/25 11:58	05/15/25 20:01	1
Phenanthrene	<10.0		10.0	0.790	ug/L		05/13/25 11:58	05/15/25 20:01	1
Phenol	<10.0		10.0	1.10	ug/L		05/13/25 11:58	05/15/25 20:01	1
1,4-phenylenediamine	<10.0		10.0	1.90	ug/L		05/13/25 11:58	05/15/25 20:01	1
Phorate	<10.0		10.0	3.20	ug/L		05/13/25 11:58	05/15/25 20:01	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-454523/1-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454523

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pronamide	<10.0		10.0	2.70	ug/L		05/13/25 11:58	05/15/25 20:01	1
Pyrene	<10.0		10.0	0.790	ug/L		05/13/25 11:58	05/15/25 20:01	1
Safrole	<10.0		10.0	2.80	ug/L		05/13/25 11:58	05/15/25 20:01	1
1,2,4,5-Tetrachlorobenzene	<10.0		10.0	0.540	ug/L		05/13/25 11:58	05/15/25 20:01	1
2,3,4,6-Tetrachlorophenol	<10.0		10.0	5.30	ug/L		05/13/25 11:58	05/15/25 20:01	1
Thionazin	<10.0		10.0	3.50	ug/L		05/13/25 11:58	05/15/25 20:01	1
2,4,5-Trichlorophenol	<10.0		10.0	5.30	ug/L		05/13/25 11:58	05/15/25 20:01	1
2,4,6-Trichlorophenol	<10.0		10.0	5.00	ug/L		05/13/25 11:58	05/15/25 20:01	1
1,3,5-Trinitrobenzene	<10.0		10.0	2.30	ug/L		05/13/25 11:58	05/15/25 20:01	1

Lab Sample ID: MB 310-454523/1-A
Matrix: Water
Analysis Batch: 455360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454523

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Famphur	<10.0		10.0	3.80	ug/L		05/13/25 11:58	05/21/25 18:40	1

Lab Sample ID: LCS 310-454523/2-A
Matrix: Water
Analysis Batch: 454595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	89.56		ug/L		90	43 - 110
Acenaphthylene	100	79.48		ug/L		79	40 - 110
Acetophenone	100	82.18		ug/L		82	48 - 119
Anthracene	100	80.27		ug/L		80	51 - 120
Benzo[a]anthracene	100	92.46		ug/L		92	51 - 123
Benzo[a]pyrene	100	103.2		ug/L		103	48 - 125
Benzo[b]fluoranthene	100	109.3		ug/L		109	49 - 129
Benzo[g,h,i]perylene	100	104.1		ug/L		104	43 - 139
Benzo[k]fluoranthene	100	106.8		ug/L		107	47 - 130
Benzyl alcohol	100	86.87		ug/L		87	39 - 128
Bis(2-chloroethoxy)methane	100	79.55		ug/L		80	48 - 121
Bis(2-chloroethyl)ether	100	77.81		ug/L		78	43 - 123
bis (2-chloroisopropyl) ether	100	72.04		ug/L		72	34 - 123
Bis(2-ethylhexyl) phthalate	100	109.1		ug/L		109	43 - 143
4-Bromophenyl phenyl ether	100	81.40		ug/L		81	45 - 119
Butyl benzyl phthalate	100	100.8		ug/L		101	46 - 135
4-Chloroaniline	100	75.97		ug/L		76	21 - 139
4-Chloro-3-methylphenol	100	85.48		ug/L		85	49 - 130
2-Chloronaphthalene	100	74.00		ug/L		74	37 - 110
2-Chlorophenol	100	72.06		ug/L		72	44 - 117
4-Chlorophenyl phenyl ether	100	78.75		ug/L		79	44 - 116
Chrysene	100	94.27		ug/L		94	51 - 125
Dibenzo(a,h)anthracene	100	98.24		ug/L		98	38 - 149
Dibenzofuran	100	73.92		ug/L		74	45 - 112
2,4-Dichlorophenol	100	82.65		ug/L		83	41 - 124
2,6-Dichlorophenol	100	81.88		ug/L		82	30 - 130
Diethyl phthalate	100	91.84		ug/L		92	43 - 135

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-454523/2-A
Matrix: Water
Analysis Batch: 454595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	100	78.90		ug/L		79	31 - 142
Dimethyl phthalate	100	90.82		ug/L		91	43 - 129
Di-n-butyl phthalate	100	92.68		ug/L		93	50 - 133
1,3-Dinitrobenzene	100	98.61		ug/L		99	45 - 138
4,6-Dinitro-2-methylphenol	200	169.1		ug/L		85	22 - 143
2,4-Dinitrophenol	200	136.3		ug/L		68	10 - 138
2,4-Dinitrotoluene	100	92.46		ug/L		92	47 - 137
2,6-Dinitrotoluene	100	97.91		ug/L		98	51 - 130
Di-n-octyl phthalate	100	101.0		ug/L		101	34 - 150
Fluoranthene	100	86.15		ug/L		86	47 - 128
Fluorene	100	78.04		ug/L		78	45 - 119
Hexachlorobenzene	100	74.91		ug/L		75	48 - 119
Hexachlorobutadiene	100	63.72		ug/L		64	32 - 110
Hexachlorocyclopentadiene	100	57.57		ug/L		58	10 - 110
Hexachloroethane	100	63.30		ug/L		63	31 - 110
Indeno[1,2,3-cd]pyrene	100	101.5		ug/L		101	37 - 150
Isophorone	100	79.82		ug/L		80	50 - 125
2-Methylnaphthalene	100	73.51		ug/L		74	33 - 110
2-Methylphenol	100	85.13		ug/L		85	47 - 118
Methylphenol, 3 & 4	100	77.33		ug/L		77	46 - 117
2-Nitroaniline	100	87.29		ug/L		87	50 - 135
3-Nitroaniline	100	100.6		ug/L		101	42 - 139
4-Nitroaniline	100	77.44		ug/L		77	31 - 145
Nitrobenzene	100	77.86		ug/L		78	47 - 116
2-Nitrophenol	100	90.96		ug/L		91	41 - 129
4-Nitrophenol	200	137.0		ug/L		68	18 - 110
N-Nitrosodimethylamine	100	64.70		ug/L		65	37 - 110
N-Nitrosodi-n-propylamine	100	85.10		ug/L		85	45 - 130
N-Nitrosodiphenylamine	100	89.52		ug/L		90	49 - 121
Pentachlorophenol	200	143.9		ug/L		72	26 - 133
Phenanthrene	100	80.75		ug/L		81	51 - 117
Phenol	100	56.20		ug/L		56	29 - 110
Pyrene	100	91.82		ug/L		92	48 - 127
1,2,4,5-Tetrachlorobenzene	100	69.21		ug/L		69	36 - 110
2,3,4,6-Tetrachlorophenol	100	92.22		ug/L		92	33 - 134
2,4,5-Trichlorophenol	100	76.54		ug/L		77	35 - 133
2,4,6-Trichlorophenol	100	86.20		ug/L		86	28 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*71*		*39 - 118*
2-Fluorophenol (Surr)	*65*		*25 - 110*
Nitrobenzene-d5 (Surr)	*77*		*45 - 129*
Phenol-d5 (Surr)	*54*		*21 - 110*
Terphenyl-d14 (Surr)	*80*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*84*		*27 - 136*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-454523/2-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	100	81.69		ug/L		82	43 - 110
Acenaphthylene	100	84.90		ug/L		85	40 - 110
Acetophenone	100	83.84		ug/L		84	48 - 119
2-Acetylaminofluorene	51.2	71.60		ug/L		140	35 - 150
4-Aminobiphenyl	51.2	39.76		ug/L		78	24 - 138
Anthracene	100	90.95		ug/L		91	51 - 120
Benzo[a]anthracene	100	88.94		ug/L		89	51 - 123
Benzo[a]pyrene	100	89.60		ug/L		90	48 - 125
Benzo[b]fluoranthene	100	80.12		ug/L		80	49 - 129
Benzo[g,h,i]perylene	100	98.10		ug/L		98	43 - 139
Benzo[k]fluoranthene	100	100.7		ug/L		101	47 - 130
Benzyl alcohol	100	82.70		ug/L		83	39 - 128
Bis(2-chloroethoxy)methane	100	81.73		ug/L		82	48 - 121
Bis(2-chloroethyl)ether	100	69.91		ug/L		70	43 - 123
bis (2-chloroisopropyl) ether	100	75.80		ug/L		76	34 - 123
Bis(2-ethylhexyl) phthalate	100	75.60		ug/L		76	43 - 143
4-Bromophenyl phenyl ether	100	89.51		ug/L		90	45 - 119
Butyl benzyl phthalate	100	86.05		ug/L		86	46 - 135
4-Chloroaniline	100	82.14		ug/L		82	21 - 139
Chlorobenzilate	51.2	88.23	*+	ug/L		172	52 - 138
4-Chloro-3-methylphenol	100	97.34		ug/L		97	49 - 130
2-Chloronaphthalene	100	75.56		ug/L		76	37 - 110
2-Chlorophenol	100	82.50		ug/L		83	44 - 117
4-Chlorophenyl phenyl ether	100	86.05		ug/L		86	44 - 116
Chrysene	100	95.18		ug/L		95	51 - 125
Diallate	44.8	40.17		ug/L		90	42 - 141
Dibenzo(a,h)anthracene	100	98.18		ug/L		98	38 - 149
Dibenzofuran	100	85.24		ug/L		85	45 - 112
2,4-Dichlorophenol	100	94.41		ug/L		94	41 - 124
2,6-Dichlorophenol	100	90.68		ug/L		91	30 - 130
Diethyl phthalate	100	91.73		ug/L		92	43 - 135
Dimethoate	44.8	53.74		ug/L		120	51 - 150
7,12-Dimethylbenz(a)anthracene	51.2	43.93		ug/L		86	51 - 129
3,3'-Dimethylbenzidine	51.2	30.32		ug/L		59	10 - 150
2,4-Dimethylphenol	100	84.03		ug/L		84	31 - 142
Dimethyl phthalate	100	93.99		ug/L		94	43 - 129
Di-n-butyl phthalate	100	95.58		ug/L		96	50 - 133
1,3-Dinitrobenzene	100	97.06		ug/L		97	45 - 138
4,6-Dinitro-2-methylphenol	200	202.3		ug/L		101	22 - 143
2,4-Dinitrophenol	200	145.2		ug/L		73	10 - 138
2,4-Dinitrotoluene	100	109.6		ug/L		110	47 - 137
2,6-Dinitrotoluene	100	99.73		ug/L		100	51 - 130
Di-n-octyl phthalate	100	74.28		ug/L		74	34 - 150
Dinoseb	51.2	53.05		ug/L		104	25 - 146
Disulfoton	44.8	36.55		ug/L		82	54 - 131
Ethyl methanesulfonate	51.2	36.89		ug/L		72	48 - 120
Ethyl Parathion	44.8	50.96		ug/L		114	52 - 149
Fluoranthene	100	98.30		ug/L		98	47 - 128

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-454523/2-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluorene	100	86.48		ug/L		86	45 - 119
Hexachlorobenzene	100	87.96		ug/L		88	48 - 119
Hexachlorobutadiene	100	74.93		ug/L		75	32 - 110
Hexachlorocyclopentadiene	100	48.75		ug/L		49	10 - 110
Hexachloroethane	100	56.51		ug/L		57	31 - 110
Hexachloropropene	51.2	10.99		ug/L		21	10 - 110
Indeno[1,2,3-cd]pyrene	100	90.02		ug/L		90	37 - 150
Isodrin	51.2	39.67		ug/L		77	52 - 125
Isophorone	100	85.45		ug/L		85	50 - 125
Methapyrilene	44.8	13.58		ug/L		30	10 - 110
Methyl methanesulfonate	51.2	29.24		ug/L		57	36 - 110
2-Methylnaphthalene	100	78.65		ug/L		79	33 - 110
Methyl parathion	44.8	60.25		ug/L		134	50 - 150
2-Methylphenol	100	80.87		ug/L		81	47 - 118
Methylphenol, 3 & 4	100	82.19		ug/L		82	46 - 117
1,4-Naphthoquinone	51.2	45.78		ug/L		89	37 - 149
1-Naphthylamine	51.2	24.87		ug/L		49	19 - 110
2-Naphthylamine	51.2	39.43		ug/L		77	18 - 127
2-Nitroaniline	100	92.03		ug/L		92	50 - 135
3-Nitroaniline	100	102.1		ug/L		102	42 - 139
4-Nitroaniline	100	87.88		ug/L		88	31 - 145
Nitrobenzene	100	78.24		ug/L		78	47 - 116
5-Nitro-o-toluidine	51.2	55.39		ug/L		108	47 - 145
2-Nitrophenol	100	90.97		ug/L		91	41 - 129
4-Nitrophenol	200	138.5		ug/L		69	18 - 110
N-Nitrosodiethylamine	51.2	42.49		ug/L		83	47 - 138
N-Nitrosodimethylamine	100	64.70		ug/L		65	37 - 110
N-Nitrosodi-n-butylamine	51.2	45.85		ug/L		90	52 - 142
N-Nitrosodi-n-propylamine	100	75.76		ug/L		76	45 - 130
N-Nitrosodiphenylamine	100	99.56		ug/L		100	49 - 121
N-Nitrosomethylethylamine	51.2	37.84		ug/L		74	54 - 123
N-Nitrosopiperidine	51.2	41.81		ug/L		82	60 - 127
N-Nitrosopyrrolidine	51.2	45.20		ug/L		88	56 - 143
o,o',o''-Triethylphosphorothioate	44.8	40.91		ug/L		91	45 - 113
o-Toluidine	51.2	34.76		ug/L		68	24 - 142
p-Dimethylamino azobenzene	51.2	47.75		ug/L		93	42 - 138
Pentachlorobenzene	51.2	40.75		ug/L		80	33 - 110
Pentachloronitrobenzene	51.2	50.05		ug/L		98	65 - 127
Pentachlorophenol	200	191.1		ug/L		96	26 - 133
Phenacetin	51.2	54.27		ug/L		106	56 - 146
Phenanthrene	100	88.91		ug/L		89	51 - 117
Phenol	100	58.78		ug/L		59	29 - 110
1,4-phenylenediamine	51.2	<10.0	*-	ug/L		-1	20 - 120
Phorate	44.8	40.38		ug/L		90	57 - 135
Pronamide	51.2	49.43		ug/L		97	61 - 144
Pyrene	100	85.61		ug/L		86	48 - 127
Safrole	44.8	42.62		ug/L		95	34 - 110
1,2,4,5-Tetrachlorobenzene	100	75.22		ug/L		75	36 - 110
2,3,4,6-Tetrachlorophenol	100	101.6		ug/L		102	33 - 134

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-454523/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454804
Prep Batch: 454523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thionazin	44.8	45.83		ug/L		102	52 - 147
2,4,5-Trichlorophenol	100	94.14		ug/L		94	35 - 133
2,4,6-Trichlorophenol	100	94.10		ug/L		94	28 - 139
1,3,5-Trinitrobenzene	51.2	43.29		ug/L		85	39 - 144

Lab Sample ID: LCS 310-454523/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 455360
Prep Batch: 454523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Famphur	44.8	40.06		ug/L		89	44 - 150

Lab Sample ID: LCSD 310-454523/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454595
Prep Batch: 454523

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	100	93.84		ug/L		94	43 - 110	5	35
Acenaphthylene	100	82.58		ug/L		83	40 - 110	4	35
Acetophenone	100	87.51		ug/L		88	48 - 119	6	35
Anthracene	100	85.56		ug/L		86	51 - 120	6	35
Benzo[a]anthracene	100	97.09		ug/L		97	51 - 123	5	35
Benzo[a]pyrene	100	108.5		ug/L		108	48 - 125	5	35
Benzo[b]fluoranthene	100	112.9		ug/L		113	49 - 129	3	35
Benzo[g,h,i]perylene	100	108.9		ug/L		109	43 - 139	4	35
Benzo[k]fluoranthene	100	112.1		ug/L		112	47 - 130	5	35
Benzyl alcohol	100	90.02		ug/L		90	39 - 128	4	35
Bis(2-chloroethoxy)methane	100	83.19		ug/L		83	48 - 121	4	35
Bis(2-chloroethyl)ether	100	83.27		ug/L		83	43 - 123	7	35
bis (2-chloroisopropyl) ether	100	72.89		ug/L		73	34 - 123	1	35
Bis(2-ethylhexyl) phthalate	100	109.4		ug/L		109	43 - 143	0	35
4-Bromophenyl phenyl ether	100	79.20		ug/L		79	45 - 119	3	35
Butyl benzyl phthalate	100	102.6		ug/L		103	46 - 135	2	35
4-Chloroaniline	100	82.17		ug/L		82	21 - 139	8	35
4-Chloro-3-methylphenol	100	90.55		ug/L		91	49 - 130	6	35
2-Chloronaphthalene	100	79.10		ug/L		79	37 - 110	7	35
2-Chlorophenol	100	75.43		ug/L		75	44 - 117	5	35
4-Chlorophenyl phenyl ether	100	79.77		ug/L		80	44 - 116	1	35
Chrysene	100	99.09		ug/L		99	51 - 125	5	35
Dibenzo(a,h)anthracene	100	104.5		ug/L		105	38 - 149	6	35
Dibenzofuran	100	77.81		ug/L		78	45 - 112	5	35
2,4-Dichlorophenol	100	88.26		ug/L		88	41 - 124	7	35
2,6-Dichlorophenol	100	85.90		ug/L		86	30 - 130	5	35
Diethyl phthalate	100	97.39		ug/L		97	43 - 135	6	35
2,4-Dimethylphenol	100	84.94		ug/L		85	31 - 142	7	35
Dimethyl phthalate	100	93.73		ug/L		94	43 - 129	3	35
Di-n-butyl phthalate	100	94.29		ug/L		94	50 - 133	2	35
1,3-Dinitrobenzene	100	101.7		ug/L		102	45 - 138	3	35
4,6-Dinitro-2-methylphenol	200	175.5		ug/L		88	22 - 143	4	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-454523/3-A
Matrix: Water
Analysis Batch: 454595

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 454523

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrophenol			200	134.4		ug/L		67	10 - 138	1	35
2,4-Dinitrotoluene			100	96.31		ug/L		96	47 - 137	4	35
2,6-Dinitrotoluene			100	101.8		ug/L		102	51 - 130	4	35
Di-n-octyl phthalate			100	104.4		ug/L		104	34 - 150	3	35
Fluoranthene			100	90.06		ug/L		90	47 - 128	4	35
Fluorene			100	82.20		ug/L		82	45 - 119	5	35
Hexachlorobenzene			100	79.97		ug/L		80	48 - 119	7	35
Hexachlorobutadiene			100	68.63		ug/L		69	32 - 110	7	35
Hexachlorocyclopentadiene			100	64.23		ug/L		64	10 - 110	11	35
Hexachloroethane			100	65.49		ug/L		65	31 - 110	3	35
Indeno[1,2,3-cd]pyrene			100	103.6		ug/L		104	37 - 150	2	35
Isophorone			100	85.13		ug/L		85	50 - 125	6	35
2-Methylnaphthalene			100	77.64		ug/L		78	33 - 110	5	35
2-Methylphenol			100	89.92		ug/L		90	47 - 118	5	35
Methylphenol, 3 & 4			100	83.98		ug/L		84	46 - 117	8	35
2-Nitroaniline			100	93.28		ug/L		93	50 - 135	7	35
3-Nitroaniline			100	101.5		ug/L		101	42 - 139	1	35
4-Nitroaniline			100	104.9		ug/L		105	31 - 145	30	35
Nitrobenzene			100	79.35		ug/L		79	47 - 116	2	35
2-Nitrophenol			100	99.05		ug/L		99	41 - 129	9	35
4-Nitrophenol			200	144.5		ug/L		72	18 - 110	5	35
N-Nitrosodimethylamine			100	66.19		ug/L		66	37 - 110	2	35
N-Nitrosodi-n-propylamine			100	87.68		ug/L		88	45 - 130	3	35
N-Nitrosodiphenylamine			100	92.46		ug/L		92	49 - 121	3	35
Pentachlorophenol			200	153.9		ug/L		77	26 - 133	7	35
Phenanthrene			100	82.87		ug/L		83	51 - 117	3	35
Phenol			100	59.78		ug/L		60	29 - 110	6	35
Pyrene			100	96.55		ug/L		97	48 - 127	5	35
1,2,4,5-Tetrachlorobenzene			100	74.98		ug/L		75	36 - 110	8	35
2,3,4,6-Tetrachlorophenol			100	95.65		ug/L		96	33 - 134	4	35
2,4,5-Trichlorophenol			100	82.15		ug/L		82	35 - 133	7	35
2,4,6-Trichlorophenol			100	92.40		ug/L		92	28 - 139	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*76*		*39 - 118*
2-Fluorophenol (Surr)	*65*		*25 - 110*
Nitrobenzene-d5 (Surr)	*79*		*45 - 129*
Phenol-d5 (Surr)	*54*		*21 - 110*
Terphenyl-d14 (Surr)	*80*		*12 - 144*
2,4,6-Tribromophenol (Surr)	*88*		*27 - 136*

Lab Sample ID: LCSD 310-454523/3-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 454523

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			100	87.31		ug/L		87	43 - 110	7	35
Acenaphthylene			100	87.82		ug/L		88	40 - 110	3	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-454523/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454804
Prep Batch: 454523

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetophenone	100	88.75		ug/L		89	48 - 119	6	35
2-Acetylaminofluorene	51.2	71.07		ug/L		139	35 - 150	1	28
4-Aminobiphenyl	51.2	42.56		ug/L		83	24 - 138	7	35
Anthracene	100	94.55		ug/L		95	51 - 120	4	35
Benzo[a]anthracene	100	92.93		ug/L		93	51 - 123	4	35
Benzo[a]pyrene	100	93.80		ug/L		94	48 - 125	5	35
Benzo[b]fluoranthene	100	84.73		ug/L		85	49 - 129	6	35
Benzo[g,h,i]perylene	100	94.91		ug/L		95	43 - 139	3	35
Benzo[k]fluoranthene	100	107.7		ug/L		108	47 - 130	7	35
Benzyl alcohol	100	90.17		ug/L		90	39 - 128	9	35
Bis(2-chloroethoxy)methane	100	85.53		ug/L		86	48 - 121	5	35
Bis(2-chloroethyl)ether	100	74.66		ug/L		75	43 - 123	7	35
bis (2-chloroisopropyl) ether	100	78.42		ug/L		78	34 - 123	3	35
Bis(2-ethylhexyl) phthalate	100	82.40		ug/L		82	43 - 143	9	35
4-Bromophenyl phenyl ether	100	92.07		ug/L		92	45 - 119	3	35
Butyl benzyl phthalate	100	90.71		ug/L		91	46 - 135	5	35
4-Chloroaniline	100	87.55		ug/L		88	21 - 139	6	35
Chlorobenzilate	51.2	91.28	*+	ug/L		178	52 - 138	3	28
4-Chloro-3-methylphenol	100	103.3		ug/L		103	49 - 130	6	35
2-Chloronaphthalene	100	77.40		ug/L		77	37 - 110	2	35
2-Chlorophenol	100	88.54		ug/L		89	44 - 117	7	35
4-Chlorophenyl phenyl ether	100	88.12		ug/L		88	44 - 116	2	35
Chrysene	100	101.8		ug/L		102	51 - 125	7	35
Diallate	44.8	41.01		ug/L		92	42 - 141	2	35
Dibenzo(a,h)anthracene	100	102.2		ug/L		102	38 - 149	4	35
Dibenzofuran	100	88.79		ug/L		89	45 - 112	4	35
2,4-Dichlorophenol	100	102.9		ug/L		103	41 - 124	9	35
2,6-Dichlorophenol	100	100.1		ug/L		100	30 - 130	10	35
Diethyl phthalate	100	95.42		ug/L		95	43 - 135	4	35
Dimethoate	44.8	57.22		ug/L		128	51 - 150	6	26
7,12-Dimethylbenz(a)anthracene	51.2	43.88		ug/L		86	51 - 129	0	28
3,3'-Dimethylbenzidine	51.2	31.59		ug/L		62	10 - 150	4	35
2,4-Dimethylphenol	100	91.52		ug/L		92	31 - 142	9	35
Dimethyl phthalate	100	98.39		ug/L		98	43 - 129	5	35
Di-n-butyl phthalate	100	98.91		ug/L		99	50 - 133	3	35
1,3-Dinitrobenzene	100	101.4		ug/L		101	45 - 138	4	35
4,6-Dinitro-2-methylphenol	200	221.0		ug/L		111	22 - 143	9	35
2,4-Dinitrophenol	200	142.2		ug/L		71	10 - 138	2	35
2,4-Dinitrotoluene	100	114.7		ug/L		115	47 - 137	5	35
2,6-Dinitrotoluene	100	104.0		ug/L		104	51 - 130	4	35
Di-n-octyl phthalate	100	81.64		ug/L		82	34 - 150	9	35
Dinoseb	51.2	57.59		ug/L		112	25 - 146	8	35
Disulfoton	44.8	37.06		ug/L		83	54 - 131	1	24
Ethyl methanesulfonate	51.2	39.96		ug/L		78	48 - 120	8	27
Ethyl Parathion	44.8	53.79		ug/L		120	52 - 149	5	26
Fluoranthene	100	105.0		ug/L		105	47 - 128	7	35
Fluorene	100	91.89		ug/L		92	45 - 119	6	35
Hexachlorobenzene	100	96.15		ug/L		96	48 - 119	9	35
Hexachlorobutadiene	100	78.14		ug/L		78	32 - 110	4	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-454523/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454804
Prep Batch: 454523

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachlorocyclopentadiene	100	55.84		ug/L		56	10 - 110	14	35
Hexachloroethane	100	61.01		ug/L		61	31 - 110	8	35
Hexachloropropene	51.2	11.06		ug/L		22	10 - 110	1	35
Indeno[1,2,3-cd]pyrene	100	95.24		ug/L		95	37 - 150	6	35
Isodrin	51.2	41.59		ug/L		81	52 - 125	5	26
Isophorone	100	90.53		ug/L		91	50 - 125	6	35
Methapyrilene	44.8	13.05		ug/L		29	10 - 110	4	35
Methyl methanesulfonate	51.2	31.15		ug/L		61	36 - 110	6	26
2-Methylnaphthalene	100	81.96		ug/L		82	33 - 110	4	35
Methyl parathion	44.8	60.59		ug/L		135	50 - 150	1	25
2-Methylphenol	100	88.65		ug/L		89	47 - 118	9	35
Methylphenol, 3 & 4	100	89.61		ug/L		90	46 - 117	9	35
1,4-Naphthoquinone	51.2	47.58		ug/L		93	37 - 149	4	29
1-Naphthylamine	51.2	26.92		ug/L		53	19 - 110	8	35
2-Naphthylamine	51.2	41.52		ug/L		81	18 - 127	5	35
2-Nitroaniline	100	97.83		ug/L		98	50 - 135	6	35
3-Nitroaniline	100	105.8		ug/L		106	42 - 139	4	35
4-Nitroaniline	100	93.21		ug/L		93	31 - 145	6	35
Nitrobenzene	100	83.62		ug/L		84	47 - 116	7	35
5-Nitro-o-toluidine	51.2	57.37		ug/L		112	47 - 145	4	31
2-Nitrophenol	100	98.94		ug/L		99	41 - 129	8	35
4-Nitrophenol	200	140.2		ug/L		70	18 - 110	1	35
N-Nitrosodiethylamine	51.2	44.24		ug/L		86	47 - 138	4	26
N-Nitrosodimethylamine	100	70.17		ug/L		70	37 - 110	8	35
N-Nitrosodi-n-butylamine	51.2	45.49		ug/L		89	52 - 142	1	27
N-Nitrosodi-n-propylamine	100	83.28		ug/L		83	45 - 130	9	35
N-Nitrosodiphenylamine	100	104.5		ug/L		105	49 - 121	5	35
N-Nitrosomethylethylamine	51.2	39.68		ug/L		78	54 - 123	5	26
N-Nitrosopiperidine	51.2	42.71		ug/L		83	60 - 127	2	26
N-Nitrosopyrrolidine	51.2	49.12		ug/L		96	56 - 143	8	25
o,o',o''-Triethylphosphorothioate	44.8	41.23		ug/L		92	45 - 113	1	33
o-Toluidine	51.2	37.32		ug/L		73	24 - 142	7	35
p-Dimethylamino azobenzene	51.2	49.16		ug/L		96	42 - 138	3	29
Pentachlorobenzene	51.2	38.97		ug/L		76	33 - 110	4	35
Pentachloronitrobenzene	51.2	50.13		ug/L		98	65 - 127	0	29
Pentachlorophenol	200	195.7		ug/L		98	26 - 133	2	35
Phenacetin	51.2	56.79		ug/L		111	56 - 146	5	25
Phenanthrene	100	92.54		ug/L		93	51 - 117	4	35
Phenol	100	63.09		ug/L		63	29 - 110	7	35
1,4-phenylenediamine	51.2	<10.0	*-	ug/L		-1	20 - 120	7	35
Phorate	44.8	40.57		ug/L		91	57 - 135	0	26
Pronamide	51.2	51.84		ug/L		101	61 - 144	5	27
Pyrene	100	90.05		ug/L		90	48 - 127	5	35
Safrole	44.8	40.83		ug/L		91	34 - 110	4	35
1,2,4,5-Tetrachlorobenzene	100	77.98		ug/L		78	36 - 110	4	35
2,3,4,6-Tetrachlorophenol	100	107.7		ug/L		108	33 - 134	6	35
Thionazin	44.8	48.34		ug/L		108	52 - 147	5	28
2,4,5-Trichlorophenol	100	98.09		ug/L		98	35 - 133	4	35
2,4,6-Trichlorophenol	100	100.8		ug/L		101	28 - 139	7	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 310-454523/3-A
Matrix: Water
Analysis Batch: 454804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 454523

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene			51.2	51.98		ug/L		102	39 - 144	18	35

Lab Sample ID: LCSD 310-454523/3-A
Matrix: Water
Analysis Batch: 455360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 454523

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Famphur			44.8	40.83		ug/L		91	44 - 150	2	35

Method: 8015C - Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Lab Sample ID: MB 310-455047/4
Matrix: Water
Analysis Batch: 455047

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetonitrile	<10.0		10.0	2.60	mg/L			05/19/25 10:54	1
Isobutanol	<10.0		10.0	2.40	mg/L			05/19/25 10:54	1

Lab Sample ID: LCS 310-455047/5
Matrix: Water
Analysis Batch: 455047

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetonitrile			99.1	79.47		mg/L		80	67 - 131		
Isobutanol			95.5	86.58		mg/L		91	80 - 120		

Lab Sample ID: 310-306065-1 MS
Matrix: Water
Analysis Batch: 455047

Client Sample ID: MW-31B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acetonitrile	<10.0	F1	99.1	77.17		mg/L		78	67 - 134		
Isobutanol	<10.0	F1	95.5	71.81	F1	mg/L		75	80 - 125		

Lab Sample ID: 310-306065-1 MSD
Matrix: Water
Analysis Batch: 455047

Client Sample ID: MW-31B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetonitrile	<10.0	F1	99.1	64.37	F1	mg/L		65	67 - 134	18	23
Isobutanol	<10.0	F1	95.5	79.62		mg/L		83	80 - 125	10	20

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 310-454688/1-A
Matrix: Water
Analysis Batch: 454627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.0983		0.0983	0.0246	ug/L		05/14/25 12:40	05/14/25 17:19	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 310-454688/1-A
Matrix: Water
Analysis Batch: 454627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	<0.0983		0.0983	0.0295	ug/L		05/14/25 12:40	05/14/25 17:19	1
4,4'-DDT	<0.0983		0.0983	0.0197	ug/L		05/14/25 12:40	05/14/25 17:19	1
Aldrin	<0.0983		0.0983	0.0216	ug/L		05/14/25 12:40	05/14/25 17:19	1
alpha-BHC	<0.0983		0.0983	0.00983	ug/L		05/14/25 12:40	05/14/25 17:19	1
beta-BHC	<0.0983		0.0983	0.0413	ug/L		05/14/25 12:40	05/14/25 17:19	1
Chlordane (technical)	<1.97		1.97	0.383	ug/L		05/14/25 12:40	05/14/25 17:19	1
delta-BHC	<0.0983		0.0983	0.0315	ug/L		05/14/25 12:40	05/14/25 17:19	1
Dieldrin	<0.0983		0.0983	0.0206	ug/L		05/14/25 12:40	05/14/25 17:19	1
Endosulfan I	<0.0983		0.0983	0.0275	ug/L		05/14/25 12:40	05/14/25 17:19	1
Endosulfan II	<0.0983		0.0983	0.0256	ug/L		05/14/25 12:40	05/14/25 17:19	1
Endosulfan sulfate	<0.0983		0.0983	0.0177	ug/L		05/14/25 12:40	05/14/25 17:19	1
Endrin	<0.0983		0.0983	0.0275	ug/L		05/14/25 12:40	05/14/25 17:19	1
Endrin aldehyde	<0.0983		0.0983	0.0265	ug/L		05/14/25 12:40	05/14/25 17:19	1
gamma-BHC (Lindane)	<0.0983		0.0983	0.00983	ug/L		05/14/25 12:40	05/14/25 17:19	1
Heptachlor	<0.0983		0.0983	0.0226	ug/L		05/14/25 12:40	05/14/25 17:19	1
Heptachlor epoxide	<0.0983		0.0983	0.0315	ug/L		05/14/25 12:40	05/14/25 17:19	1
Methoxychlor	<0.0983		0.0983	0.0315	ug/L		05/14/25 12:40	05/14/25 17:19	1
Toxaphene	<1.97		1.97	0.983	ug/L		05/14/25 12:40	05/14/25 17:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*46*		*10 - 150*	*05/14/25 12:40*	*05/14/25 17:19*	*1*
Tetrachloro-m-xylene	*68*		*17 - 150*	*05/14/25 12:40*	*05/14/25 17:19*	*1*

Lab Sample ID: LCS 310-454688/2-A
Matrix: Water
Analysis Batch: 454627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.78	2.319		ug/L		83	28 - 150
4,4'-DDE	2.78	2.225		ug/L		80	10 - 150
4,4'-DDT	2.78	2.087		ug/L		75	10 - 150
Aldrin	2.78	1.629		ug/L		59	10 - 146
alpha-BHC	2.78	2.462		ug/L		89	57 - 149
beta-BHC	2.78	2.327		ug/L		84	53 - 145
delta-BHC	2.78	2.249		ug/L		81	49 - 148
Dieldrin	2.78	2.498		ug/L		90	43 - 150
Endosulfan I	2.78	1.537		ug/L		55	26 - 133
Endosulfan II	2.78	1.709		ug/L		62	38 - 139
Endosulfan sulfate	2.78	2.857		ug/L		103	54 - 150
Endrin	2.78	2.474		ug/L		89	41 - 150
Endrin aldehyde	2.78	2.228		ug/L		80	42 - 147
gamma-BHC (Lindane)	2.78	2.470		ug/L		89	57 - 150
Heptachlor	2.78	1.851		ug/L		67	16 - 135
Heptachlor epoxide	2.78	2.553		ug/L		92	49 - 150
Methoxychlor	2.78	2.300		ug/L		83	16 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*45*		*10 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 310-454688/2-A
Matrix: Water
Analysis Batch: 454627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454688

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	60		17 - 150

Lab Sample ID: 310-306065-1 MS
Matrix: Water
Analysis Batch: 454627

Client Sample ID: MW-31B
Prep Type: Total/NA
Prep Batch: 454688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	<0.0897		2.59	2.164		ug/L		84	15 - 150
4,4'-DDE	<0.0897		2.59	2.050		ug/L		79	10 - 150
4,4'-DDT	<0.0897		2.59	1.909		ug/L		74	10 - 150
Aldrin	<0.0897		2.59	1.603		ug/L		62	10 - 150
alpha-BHC	<0.0897		2.59	2.299		ug/L		89	33 - 150
beta-BHC	<0.0897		2.59	2.198		ug/L		85	32 - 150
delta-BHC	<0.0897		2.59	2.112		ug/L		82	30 - 150
Dieldrin	<0.0897		2.59	2.318		ug/L		89	24 - 150
Endosulfan I	<0.0897		2.59	1.403		ug/L		54	10 - 150
Endosulfan II	<0.0897		2.59	1.612		ug/L		62	14 - 150
Endosulfan sulfate	<0.0897		2.59	2.730		ug/L		105	39 - 150
Endrin	<0.0897		2.59	2.338		ug/L		90	18 - 150
Endrin aldehyde	<0.0897		2.59	1.816		ug/L		70	26 - 150
gamma-BHC (Lindane)	<0.0897		2.59	2.319		ug/L		90	35 - 150
Heptachlor	<0.0897		2.59	1.814		ug/L		70	10 - 150
Heptachlor epoxide	<0.0897		2.59	2.431		ug/L		94	26 - 150
Methoxychlor	<0.0897		2.59	2.123		ug/L		82	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	46		10 - 150
Tetrachloro-m-xylene	61		17 - 150

Lab Sample ID: 310-306065-1 MSD
Matrix: Water
Analysis Batch: 454627

Client Sample ID: MW-31B
Prep Type: Total/NA
Prep Batch: 454688

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	<0.0897		2.58	1.946		ug/L		76	15 - 150	11	35
4,4'-DDE	<0.0897		2.58	1.789		ug/L		69	10 - 150	14	35
4,4'-DDT	<0.0897		2.58	1.670		ug/L		65	10 - 150	13	35
Aldrin	<0.0897		2.58	1.419		ug/L		55	10 - 150	12	35
alpha-BHC	<0.0897		2.58	2.146		ug/L		83	33 - 150	7	35
beta-BHC	<0.0897		2.58	2.019		ug/L		78	32 - 150	NC	35
delta-BHC	<0.0897		2.58	1.973		ug/L		77	30 - 150	7	35
Dieldrin	<0.0897		2.58	2.144		ug/L		83	24 - 150	8	35
Endosulfan I	<0.0897		2.58	1.321		ug/L		51	10 - 150	6	35
Endosulfan II	<0.0897		2.58	1.528		ug/L		59	14 - 150	5	35
Endosulfan sulfate	<0.0897		2.58	2.545		ug/L		99	39 - 150	7	35
Endrin	<0.0897		2.58	2.164		ug/L		84	18 - 150	8	35
Endrin aldehyde	<0.0897		2.58	1.713		ug/L		66	26 - 150	6	35
gamma-BHC (Lindane)	<0.0897		2.58	2.162		ug/L		84	35 - 150	7	35

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 310-306065-1 MSD — **Client Sample ID: MW-31B**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 454627 — **Prep Batch: 454688**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Heptachlor	<0.0897		2.58	1.594		ug/L		62	10 - 150	13	35
Heptachlor epoxide	<0.0897		2.58	2.260		ug/L		88	26 - 150	7	35
Methoxychlor	<0.0897		2.58	1.826		ug/L		71	10 - 150	15	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*48*		*10 - 150*
Tetrachloro-m-xylene	*64*		*17 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 310-454688/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 454625 — **Prep Batch: 454688**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.97		1.97	0.806	ug/L		05/14/25 12:40	05/14/25 17:19	1
PCB-1221	<1.97		1.97	0.806	ug/L		05/14/25 12:40	05/14/25 17:19	1
PCB-1232	<1.97		1.97	0.806	ug/L		05/14/25 12:40	05/14/25 17:19	1
PCB-1242	<1.97		1.97	0.806	ug/L		05/14/25 12:40	05/14/25 17:19	1
PCB-1248	<1.97		1.97	0.678	ug/L		05/14/25 12:40	05/14/25 17:19	1
PCB-1254	<1.97		1.97	0.678	ug/L		05/14/25 12:40	05/14/25 17:19	1
PCB-1260	<1.97		1.97	0.678	ug/L		05/14/25 12:40	05/14/25 17:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*46*		*10 - 150*	*05/14/25 12:40*	*05/14/25 17:19*	*1*
Tetrachloro-m-xylene	*68*		*17 - 150*	*05/14/25 12:40*	*05/14/25 17:19*	*1*

Lab Sample ID: LCS 310-454688/31-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 454625 — **Prep Batch: 454688**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	27.8	22.04		ug/L		79	25 - 150
PCB-1260	27.8	25.87		ug/L		93	14 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*31*		*10 - 150*
Tetrachloro-m-xylene	*41*		*17 - 150*

Lab Sample ID: 310-306065-3 MS — **Client Sample ID: MW-215A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 454625 — **Prep Batch: 454688**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	<1.81		25.6	21.69		ug/L		85	25 - 150
PCB-1260	<1.81		25.6	21.15		ug/L		83	10 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 310-306065-3 MS
Matrix: Water
Analysis Batch: 454625

Client Sample ID: MW-215A
Prep Type: Total/NA
Prep Batch: 454688

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	52		10 - 150
Tetrachloro-m-xylene	61		17 - 150

Lab Sample ID: 310-306065-3 MSD
Matrix: Water
Analysis Batch: 454625

Client Sample ID: MW-215A
Prep Type: Total/NA
Prep Batch: 454688

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<1.81		25.7	22.75		ug/L		88	25 - 150	5	35
PCB-1260	<1.81		25.7	23.44		ug/L		91	10 - 150	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	61		10 - 150
Tetrachloro-m-xylene	66		17 - 150

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-644073/1-A
Matrix: Water
Analysis Batch: 644309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 644073

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.600		0.600	0.250	ug/L		05/14/25 15:21	05/15/25 06:34	1
Silvex (2,4,5-TP)	<0.0500		0.0500	0.0220	ug/L		05/14/25 15:21	05/15/25 06:34	1
2,4,5-T	<0.150		0.150	0.0650	ug/L		05/14/25 15:21	05/15/25 06:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	63		34 - 142	05/14/25 15:21	05/15/25 06:34	1
DCAA	57		34 - 142	05/14/25 15:21	05/15/25 06:34	1

Lab Sample ID: LCS 410-644073/2-A
Matrix: Water
Analysis Batch: 644309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 644073

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-D	2.00	1.453		ug/L		73	53 - 159
2,4,5-T	0.400	0.3310		ug/L		83	57 - 171

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCAA	76		34 - 142
DCAA	72		34 - 142

Lab Sample ID: LCSD 410-644073/3-A
Matrix: Water
Analysis Batch: 644309

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 644073

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D	2.00	1.640		ug/L		82	53 - 159	12	30

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 410-644073/3-A
Matrix: Water
Analysis Batch: 644309

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 644073

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T			0.400	0.3731		ug/L		93	57 - 171	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCAA	*89*		*34 - 142*
DCAA	*78*		*34 - 142*

Method: 8151A - Herbicides (GC) - DL

Lab Sample ID: LCS 410-644073/2-A
Matrix: Water
Analysis Batch: 644309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 644073

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silvex (2,4,5-TP) - DL			4.01	2.533		ug/L		63	62 - 170		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA - DL	*84*		*34 - 142*
DCAA - DL	*83*		*34 - 142*

Lab Sample ID: LCSD 410-644073/3-A
Matrix: Water
Analysis Batch: 644309

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 644073

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silvex (2,4,5-TP) - DL			4.01	2.768		ug/L		69	62 - 170	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCAA - DL	*89*		*34 - 142*
DCAA - DL	*93*		*34 - 142*

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 310-454543/3
Matrix: Water
Analysis Batch: 454543

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.200		0.200	0.0780	mg/L			05/09/25 21:49	1

Lab Sample ID: LCS 310-454543/4
Matrix: Water
Analysis Batch: 454543

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			2.00	2.052		mg/L		103	90 - 110		

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 310-306065-10 MS
Matrix: Water
Analysis Batch: 454543

Client Sample ID: MW-1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.200		1.00	0.7466		mg/L		75	80 - 120

Lab Sample ID: 310-306065-10 MS
Matrix: Water
Analysis Batch: 454543

Client Sample ID: MW-1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	252		100	342.5		mg/L		91	80 - 120

Lab Sample ID: 310-306065-10 MSD
Matrix: Water
Analysis Batch: 454543

Client Sample ID: MW-1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.200		1.00	0.7558		mg/L		76	80 - 120	1	15

Lab Sample ID: 310-306065-10 MSD
Matrix: Water
Analysis Batch: 454543

Client Sample ID: MW-1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	252		100	340.1		mg/L		88	80 - 120	1	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-454569/1-A
Matrix: Water
Analysis Batch: 454894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454569

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/14/25 09:00	05/15/25 16:50	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/14/25 09:00	05/15/25 16:50	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/14/25 09:00	05/15/25 16:50	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/14/25 09:00	05/15/25 16:50	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/14/25 09:00	05/15/25 16:50	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/14/25 09:00	05/15/25 16:50	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/14/25 09:00	05/15/25 16:50	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/14/25 09:00	05/15/25 16:50	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/14/25 09:00	05/15/25 16:50	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/14/25 09:00	05/15/25 16:50	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/14/25 09:00	05/15/25 16:50	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/14/25 09:00	05/15/25 16:50	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/14/25 09:00	05/15/25 16:50	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/14/25 09:00	05/15/25 16:50	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/14/25 09:00	05/15/25 16:50	1
Tin	<0.00500		0.00500	0.00250	mg/L		05/14/25 09:00	05/15/25 16:50	1
Iron	<0.100		0.100	0.0500	mg/L		05/14/25 09:00	05/15/25 16:50	1
Manganese	<0.0100		0.0100	0.00360	mg/L		05/14/25 09:00	05/15/25 16:50	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 310-454569/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454894
Prep Batch: 454569

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2041		mg/L		102	80 - 120
Arsenic	0.200	0.1903		mg/L		95	80 - 120
Barium	0.100	0.09508		mg/L		95	80 - 120
Beryllium	0.100	0.08549		mg/L		85	80 - 120
Cadmium	0.100	0.09163		mg/L		92	80 - 120
Chromium	0.100	0.09269		mg/L		93	80 - 120
Cobalt	0.100	0.09562		mg/L		96	80 - 120
Copper	0.200	0.1898		mg/L		95	80 - 120
Lead	0.200	0.1894		mg/L		95	80 - 120
Nickel	0.200	0.1830		mg/L		91	80 - 120
Selenium	0.400	0.3500		mg/L		88	80 - 120
Silver	0.100	0.1222	*+	mg/L		122	80 - 120
Thallium	0.100	0.08581		mg/L		86	80 - 120
Vanadium	0.100	0.09117		mg/L		91	80 - 120
Zinc	0.200	0.1724		mg/L		86	80 - 120
Tin	0.200	0.1904		mg/L		95	80 - 120
Iron	0.200	0.1945		mg/L		97	80 - 120
Manganese	0.100	0.09019		mg/L		90	80 - 120

Lab Sample ID: 310-306065-8 DU
Client Sample ID: MW-217A
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454894
Prep Batch: 454569

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00200		<0.00200		mg/L		NC	20
Arsenic	<0.00200		<0.00200		mg/L		NC	20
Barium	0.0927		0.09226		mg/L		0.5	20
Beryllium	<0.00100		<0.00100		mg/L		NC	20
Cadmium	<0.000200		<0.000200		mg/L		NC	20
Chromium	<0.00500		<0.00500		mg/L		NC	20
Cobalt	<0.000500		<0.000500		mg/L		NC	20
Copper	<0.00500		<0.00500		mg/L		NC	20
Lead	<0.000500		<0.000500		mg/L		NC	20
Nickel	<0.00500		<0.00500		mg/L		NC	20
Selenium	<0.00500		<0.00500		mg/L		NC	20
Thallium	<0.00100		<0.00100		mg/L		NC	20
Vanadium	<0.00500		<0.00500		mg/L		NC	20
Zinc	<0.0200		<0.0200		mg/L		NC	20
Tin	<0.00500		<0.00500		mg/L		NC	20
Iron	<0.100		<0.100		mg/L		NC	20
Manganese	<0.0100		<0.0100		mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-454661/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454962
Prep Batch: 454661

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/15/25 12:44	05/16/25 11:35	1

Lab Sample ID: LCS 310-454661/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454962
Prep Batch: 454661

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001645		mg/L		99	80 - 120

Lab Sample ID: MB 310-454864/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 455111
Prep Batch: 454864

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200	0.000110	mg/L		05/16/25 11:31	05/19/25 11:06	1

Lab Sample ID: LCS 310-454864/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 455111
Prep Batch: 454864

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00167	0.001724		mg/L		103	80 - 120

Lab Sample ID: 310-306065-3 MS
Client Sample ID: MW-215A
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 455111
Prep Batch: 454864

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000200		0.00167	0.001744		mg/L		105	80 - 120

Lab Sample ID: 310-306065-3 MSD
Client Sample ID: MW-215A
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 455111
Prep Batch: 454864

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000200		0.00167	0.001743		mg/L		105	80 - 120	0	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 310-455052/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 455131
Prep Batch: 455052

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0100		0.0100	0.00350	mg/L		05/19/25 09:47	05/19/25 21:26	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCS 310-455052/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 455131
Prep Batch: 455052

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.200	0.1983		mg/L		99	90 - 110		

Lab Sample ID: 310-306065-1 MS
Client Sample ID: MW-31B
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 455131
Prep Batch: 455052

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	<0.0100		0.200	0.1933		mg/L		97	60 - 130		

Lab Sample ID: 310-306065-1 MSD
Client Sample ID: MW-31B
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 455131
Prep Batch: 455052

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0100		0.200	0.1999		mg/L		100	60 - 130	3	35

Lab Sample ID: MB 310-455184/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 455272
Prep Batch: 455184

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0100		0.0100	0.00350	mg/L		05/20/25 10:08	05/20/25 18:06	1

Lab Sample ID: LCS 310-455184/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 455272
Prep Batch: 455184

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.200	0.1896		mg/L		95	90 - 110		

Lab Sample ID: 310-306065-12 MS
Client Sample ID: MW-25A-00
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 455272
Prep Batch: 455184

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	<0.0100		0.200	0.1882		mg/L		94	60 - 130		

Lab Sample ID: 310-306065-12 MSD
Client Sample ID: MW-25A-00
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 455272
Prep Batch: 455184

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	<0.0100		0.200	0.1827		mg/L		91	60 - 130	3	35

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-817552/1
Matrix: Water
Analysis Batch: 817552

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.00		1.00	0.231	mg/L			05/14/25 00:17	1

Lab Sample ID: LCS 500-817552/2
Matrix: Water
Analysis Batch: 817552

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.713		mg/L		94	80 - 120

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 310-454963/11
Matrix: Water
Analysis Batch: 454963

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<1.00		1.00	0.500	mg/L			05/15/25 14:01	1

Lab Sample ID: LCS 310-454963/12
Matrix: Water
Analysis Batch: 454963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	9.99	10.67		mg/L		107	85 - 115

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-454461/1
Matrix: Water
Analysis Batch: 454461

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			05/12/25 20:44	1

Lab Sample ID: LCS 310-454461/2
Matrix: Water
Analysis Batch: 454461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	98.00		mg/L		98	81 - 116

Lab Sample ID: MB 310-454504/1
Matrix: Water
Analysis Batch: 454504

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			05/13/25 10:13	1

Method: I-3765-85 - Residue, Non-filterable (TSS) (Continued)

Lab Sample ID: LCS 310-454504/2
Matrix: Water
Analysis Batch: 454504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			100	106.0		mg/L		106	81 - 116		

Lab Sample ID: 310-306065-6 DU
Matrix: Water
Analysis Batch: 454504

Client Sample ID: Dup-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	54.0			55.00		mg/L				2	35

Lab Sample ID: MB 310-454650/1
Matrix: Water
Analysis Batch: 454650

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			05/14/25 09:45	1

Lab Sample ID: LCS 310-454650/2
Matrix: Water
Analysis Batch: 454650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			100	100.0		mg/L		100	81 - 116		

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Analysis Batch: 454398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	8260D	
310-306065-2	Dup-2	Total/NA	Water	8260D	
310-306065-3	MW-215A	Total/NA	Water	8260D	
310-306065-5	MW-24A	Total/NA	Water	8260D	
310-306065-6	Dup-1	Total/NA	Water	8260D	
310-306065-7	MW-216A	Total/NA	Water	8260D	
310-306065-8	MW-217A	Total/NA	Water	8260D	
310-306065-9	MW-218A	Total/NA	Water	8260D	
310-306065-10	MW-1A	Total/NA	Water	8260D	
310-306065-11	MW-2A-97	Total/NA	Water	8260D	
310-306065-12	MW-25A-00	Total/NA	Water	8260D	
310-306065-13	MW-23A	Total/NA	Water	8260D	
310-306065-16	Trip Blank	Total/NA	Water	8260D	
MB 310-454398/6	Method Blank	Total/NA	Water	8260D	
LCS 310-454398/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-454398/8	Lab Control Sample	Total/NA	Water	8260D	
310-306065-1 MS	MW-31B	Total/NA	Water	8260D	
310-306065-1 MSD	MW-31B	Total/NA	Water	8260D	

Analysis Batch: 454418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-14	MW-404	Total/NA	Water	8260D	
MB 310-454418/6	Method Blank	Total/NA	Water	8260D	
LCS 310-454418/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-454418/8	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 454525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-15	MW-410	Total/NA	Water	8260D	
MB 310-454525/6	Method Blank	Total/NA	Water	8260D	
LCS 310-454525/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-454525/8	Lab Control Sample	Total/NA	Water	8260D	

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Prep Batch: 454523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	3510C	
310-306065-3	MW-215A	Total/NA	Water	3510C	
310-306065-4	MW-12B	Total/NA	Water	3510C	
310-306065-5	MW-24A	Total/NA	Water	3510C	
310-306065-10	MW-1A	Total/NA	Water	3510C	
310-306065-11	MW-2A-97	Total/NA	Water	3510C	
310-306065-12	MW-25A-00	Total/NA	Water	3510C	
310-306065-13	MW-23A	Total/NA	Water	3510C	
MB 310-454523/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-454523/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-454523/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

GC/MS Semi VOA

Analysis Batch: 454595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	8270E	454523
310-306065-3	MW-215A	Total/NA	Water	8270E	454523
310-306065-4	MW-12B	Total/NA	Water	8270E	454523
310-306065-5	MW-24A	Total/NA	Water	8270E	454523
MB 310-454523/1-A	Method Blank	Total/NA	Water	8270E	454523
LCS 310-454523/2-A	Lab Control Sample	Total/NA	Water	8270E	454523
LCSD 310-454523/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	454523

Analysis Batch: 454749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-10	MW-1A	Total/NA	Water	8270E	454523
310-306065-11	MW-2A-97	Total/NA	Water	8270E	454523
310-306065-12	MW-25A-00	Total/NA	Water	8270E	454523
310-306065-13	MW-23A	Total/NA	Water	8270E	454523

Analysis Batch: 454804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	8270E	454523
310-306065-3	MW-215A	Total/NA	Water	8270E	454523
310-306065-5	MW-24A	Total/NA	Water	8270E	454523
MB 310-454523/1-A	Method Blank	Total/NA	Water	8270E	454523
LCS 310-454523/2-A	Lab Control Sample	Total/NA	Water	8270E	454523
LCSD 310-454523/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	454523

Analysis Batch: 455173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-10	MW-1A	Total/NA	Water	8270E	454523
310-306065-11	MW-2A-97	Total/NA	Water	8270E	454523
310-306065-12	MW-25A-00	Total/NA	Water	8270E	454523
310-306065-13	MW-23A	Total/NA	Water	8270E	454523

Analysis Batch: 455360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	8270E	454523
310-306065-3	MW-215A	Total/NA	Water	8270E	454523
310-306065-5	MW-24A	Total/NA	Water	8270E	454523
MB 310-454523/1-A	Method Blank	Total/NA	Water	8270E	454523
LCS 310-454523/2-A	Lab Control Sample	Total/NA	Water	8270E	454523
LCSD 310-454523/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	454523

Analysis Batch: 455490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-10	MW-1A	Total/NA	Water	8270E	454523
310-306065-11	MW-2A-97	Total/NA	Water	8270E	454523
310-306065-12	MW-25A-00	Total/NA	Water	8270E	454523
310-306065-13	MW-23A	Total/NA	Water	8270E	454523

GC Semi VOA

Analysis Batch: 454625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	8082A	454688
310-306065-3	MW-215A	Total/NA	Water	8082A	454688
310-306065-5	MW-24A	Total/NA	Water	8082A	454688
310-306065-10	MW-1A	Total/NA	Water	8082A	454688
310-306065-11	MW-2A-97	Total/NA	Water	8082A	454688
310-306065-12	MW-25A-00	Total/NA	Water	8082A	454688
310-306065-13	MW-23A	Total/NA	Water	8082A	454688
MB 310-454688/1-A	Method Blank	Total/NA	Water	8082A	454688
LCS 310-454688/31-A	Lab Control Sample	Total/NA	Water	8082A	454688
310-306065-3 MS	MW-215A	Total/NA	Water	8082A	454688
310-306065-3 MSD	MW-215A	Total/NA	Water	8082A	454688

Analysis Batch: 454627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	8081B	454688
310-306065-3	MW-215A	Total/NA	Water	8081B	454688
310-306065-5	MW-24A	Total/NA	Water	8081B	454688
310-306065-10	MW-1A	Total/NA	Water	8081B	454688
310-306065-11	MW-2A-97	Total/NA	Water	8081B	454688
310-306065-12	MW-25A-00	Total/NA	Water	8081B	454688
310-306065-13	MW-23A	Total/NA	Water	8081B	454688
MB 310-454688/1-A	Method Blank	Total/NA	Water	8081B	454688
LCS 310-454688/2-A	Lab Control Sample	Total/NA	Water	8081B	454688
310-306065-1 MS	MW-31B	Total/NA	Water	8081B	454688
310-306065-1 MSD	MW-31B	Total/NA	Water	8081B	454688

Prep Batch: 454688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	3511	
310-306065-3	MW-215A	Total/NA	Water	3511	
310-306065-5	MW-24A	Total/NA	Water	3511	
310-306065-10	MW-1A	Total/NA	Water	3511	
310-306065-11	MW-2A-97	Total/NA	Water	3511	
310-306065-12	MW-25A-00	Total/NA	Water	3511	
310-306065-13	MW-23A	Total/NA	Water	3511	
MB 310-454688/1-A	Method Blank	Total/NA	Water	3511	
LCS 310-454688/2-A	Lab Control Sample	Total/NA	Water	3511	
LCS 310-454688/31-A	Lab Control Sample	Total/NA	Water	3511	
310-306065-1 MS	MW-31B	Total/NA	Water	3511	
310-306065-1 MSD	MW-31B	Total/NA	Water	3511	
310-306065-3 MS	MW-215A	Total/NA	Water	3511	
310-306065-3 MSD	MW-215A	Total/NA	Water	3511	

Analysis Batch: 455047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	8015C	
310-306065-3	MW-215A	Total/NA	Water	8015C	
310-306065-5	MW-24A	Total/NA	Water	8015C	
310-306065-10	MW-1A	Total/NA	Water	8015C	
310-306065-11	MW-2A-97	Total/NA	Water	8015C	
310-306065-12	MW-25A-00	Total/NA	Water	8015C	

GC Semi VOA (Continued)

Analysis Batch: 455047 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-13	MW-23A	Total/NA	Water	8015C	
MB 310-455047/4	Method Blank	Total/NA	Water	8015C	
LCS 310-455047/5	Lab Control Sample	Total/NA	Water	8015C	
310-306065-1 MS	MW-31B	Total/NA	Water	8015C	
310-306065-1 MSD	MW-31B	Total/NA	Water	8015C	

Prep Batch: 644073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	8151A	
310-306065-3	MW-215A	Total/NA	Water	8151A	
310-306065-5	MW-24A	Total/NA	Water	8151A	
310-306065-10	MW-1A	Total/NA	Water	8151A	
310-306065-11	MW-2A-97	Total/NA	Water	8151A	
310-306065-12	MW-25A-00	Total/NA	Water	8151A	
310-306065-13	MW-23A	Total/NA	Water	8151A	
MB 410-644073/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-644073/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	
LCS 410-644073/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-644073/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	
LCSD 410-644073/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 644309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	8151A	644073
310-306065-3	MW-215A	Total/NA	Water	8151A	644073
310-306065-5	MW-24A	Total/NA	Water	8151A	644073
310-306065-10	MW-1A	Total/NA	Water	8151A	644073
310-306065-11	MW-2A-97	Total/NA	Water	8151A	644073
310-306065-12	MW-25A-00	Total/NA	Water	8151A	644073
310-306065-13	MW-23A	Total/NA	Water	8151A	644073
MB 410-644073/1-A	Method Blank	Total/NA	Water	8151A	644073
LCS 410-644073/2-A	Lab Control Sample	Total/NA	Water	8151A	644073
LCS 410-644073/2-A - DL	Lab Control Sample	Total/NA	Water	8151A	644073
LCSD 410-644073/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	644073
LCSD 410-644073/3-A - DL	Lab Control Sample Dup	Total/NA	Water	8151A	644073

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Analysis Batch: 454543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-10	MW-1A	Total/NA	Water	9056A	
310-306065-10	MW-1A	Total/NA	Water	9056A	
310-306065-11	MW-2A-97	Total/NA	Water	9056A	
MB 310-454543/3	Method Blank	Total/NA	Water	9056A	
LCS 310-454543/4	Lab Control Sample	Total/NA	Water	9056A	
310-306065-10 MS	MW-1A	Total/NA	Water	9056A	
310-306065-10 MS	MW-1A	Total/NA	Water	9056A	
310-306065-10 MSD	MW-1A	Total/NA	Water	9056A	
310-306065-10 MSD	MW-1A	Total/NA	Water	9056A	

Metals

Prep Batch: 454569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	3005A	
310-306065-2	Dup-2	Total/NA	Water	3005A	
310-306065-3	MW-215A	Total/NA	Water	3005A	
310-306065-4	MW-12B	Total/NA	Water	3005A	
310-306065-5	MW-24A	Total/NA	Water	3005A	
310-306065-6	Dup-1	Total/NA	Water	3005A	
310-306065-7	MW-216A	Total/NA	Water	3005A	
310-306065-8	MW-217A	Total/NA	Water	3005A	
310-306065-9	MW-218A	Total/NA	Water	3005A	
310-306065-10	MW-1A	Total/NA	Water	3005A	
310-306065-11	MW-2A-97	Total/NA	Water	3005A	
310-306065-12	MW-25A-00	Total/NA	Water	3005A	
310-306065-13	MW-23A	Total/NA	Water	3005A	
310-306065-15	MW-410	Total/NA	Water	3005A	
MB 310-454569/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-454569/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-306065-8 DU	MW-217A	Total/NA	Water	3005A	

Prep Batch: 454661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	7470A	
MB 310-454661/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-454661/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 454864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-3	MW-215A	Total/NA	Water	7470A	
310-306065-5	MW-24A	Total/NA	Water	7470A	
310-306065-10	MW-1A	Total/NA	Water	7470A	
310-306065-11	MW-2A-97	Total/NA	Water	7470A	
310-306065-12	MW-25A-00	Total/NA	Water	7470A	
310-306065-13	MW-23A	Total/NA	Water	7470A	
MB 310-454864/1-A	Method Blank	Total/NA	Water	7470A	
LCS 310-454864/2-A	Lab Control Sample	Total/NA	Water	7470A	
310-306065-3 MS	MW-215A	Total/NA	Water	7470A	
310-306065-3 MSD	MW-215A	Total/NA	Water	7470A	

Analysis Batch: 454894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	6020B	454569
310-306065-2	Dup-2	Total/NA	Water	6020B	454569
310-306065-3	MW-215A	Total/NA	Water	6020B	454569
310-306065-4	MW-12B	Total/NA	Water	6020B	454569
310-306065-5	MW-24A	Total/NA	Water	6020B	454569
310-306065-6	Dup-1	Total/NA	Water	6020B	454569
310-306065-7	MW-216A	Total/NA	Water	6020B	454569
310-306065-8	MW-217A	Total/NA	Water	6020B	454569
310-306065-9	MW-218A	Total/NA	Water	6020B	454569
310-306065-10	MW-1A	Total/NA	Water	6020B	454569
310-306065-11	MW-2A-97	Total/NA	Water	6020B	454569
310-306065-12	MW-25A-00	Total/NA	Water	6020B	454569

Metals (Continued)

Analysis Batch: 454894 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-13	MW-23A	Total/NA	Water	6020B	454569
310-306065-15	MW-410	Total/NA	Water	6020B	454569
MB 310-454569/1-A	Method Blank	Total/NA	Water	6020B	454569
LCS 310-454569/2-A	Lab Control Sample	Total/NA	Water	6020B	454569
310-306065-8 DU	MW-217A	Total/NA	Water	6020B	454569

Analysis Batch: 454962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	7470A	454661
MB 310-454661/1-A	Method Blank	Total/NA	Water	7470A	454661
LCS 310-454661/2-A	Lab Control Sample	Total/NA	Water	7470A	454661

Analysis Batch: 455111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-3	MW-215A	Total/NA	Water	7470A	454864
310-306065-5	MW-24A	Total/NA	Water	7470A	454864
310-306065-10	MW-1A	Total/NA	Water	7470A	454864
310-306065-11	MW-2A-97	Total/NA	Water	7470A	454864
310-306065-12	MW-25A-00	Total/NA	Water	7470A	454864
310-306065-13	MW-23A	Total/NA	Water	7470A	454864
MB 310-454864/1-A	Method Blank	Total/NA	Water	7470A	454864
LCS 310-454864/2-A	Lab Control Sample	Total/NA	Water	7470A	454864
310-306065-3 MS	MW-215A	Total/NA	Water	7470A	454864
310-306065-3 MSD	MW-215A	Total/NA	Water	7470A	454864

General Chemistry

Analysis Batch: 454461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	I-3765-85	
310-306065-2	Dup-2	Total/NA	Water	I-3765-85	
310-306065-7	MW-216A	Total/NA	Water	I-3765-85	
310-306065-8	MW-217A	Total/NA	Water	I-3765-85	
310-306065-9	MW-218A	Total/NA	Water	I-3765-85	
MB 310-454461/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-454461/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 454504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-3	MW-215A	Total/NA	Water	I-3765-85	
310-306065-4	MW-12B	Total/NA	Water	I-3765-85	
310-306065-5	MW-24A	Total/NA	Water	I-3765-85	
310-306065-6	Dup-1	Total/NA	Water	I-3765-85	
310-306065-12	MW-25A-00	Total/NA	Water	I-3765-85	
310-306065-13	MW-23A	Total/NA	Water	I-3765-85	
310-306065-15	MW-410	Total/NA	Water	I-3765-85	
MB 310-454504/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-454504/2	Lab Control Sample	Total/NA	Water	I-3765-85	
310-306065-6 DU	Dup-1	Total/NA	Water	I-3765-85	

General Chemistry

Analysis Batch: 454650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-10	MW-1A	Total/NA	Water	I-3765-85	
310-306065-11	MW-2A-97	Total/NA	Water	I-3765-85	
MB 310-454650/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-454650/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 454963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-10	MW-1A	Total/NA	Water	9060A	
310-306065-11	MW-2A-97	Total/NA	Water	9060A	
MB 310-454963/11	Method Blank	Total/NA	Water	9060A	
LCS 310-454963/12	Lab Control Sample	Total/NA	Water	9060A	

Prep Batch: 455052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	9012B	
310-306065-3	MW-215A	Total/NA	Water	9012B	
310-306065-5	MW-24A	Total/NA	Water	9012B	
310-306065-10	MW-1A	Total/NA	Water	9012B	
MB 310-455052/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-455052/2-A	Lab Control Sample	Total/NA	Water	9012B	
310-306065-1 MS	MW-31B	Total/NA	Water	9012B	
310-306065-1 MSD	MW-31B	Total/NA	Water	9012B	

Analysis Batch: 455131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	9012B	455052
310-306065-3	MW-215A	Total/NA	Water	9012B	455052
310-306065-5	MW-24A	Total/NA	Water	9012B	455052
310-306065-10	MW-1A	Total/NA	Water	9012B	455052
MB 310-455052/1-A	Method Blank	Total/NA	Water	9012B	455052
LCS 310-455052/2-A	Lab Control Sample	Total/NA	Water	9012B	455052
310-306065-1 MS	MW-31B	Total/NA	Water	9012B	455052
310-306065-1 MSD	MW-31B	Total/NA	Water	9012B	455052

Prep Batch: 455184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-11	MW-2A-97	Total/NA	Water	9012B	
310-306065-12	MW-25A-00	Total/NA	Water	9012B	
310-306065-13	MW-23A	Total/NA	Water	9012B	
MB 310-455184/1-A	Method Blank	Total/NA	Water	9012B	
LCS 310-455184/2-A	Lab Control Sample	Total/NA	Water	9012B	
310-306065-12 MS	MW-25A-00	Total/NA	Water	9012B	
310-306065-12 MSD	MW-25A-00	Total/NA	Water	9012B	

Analysis Batch: 455272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-11	MW-2A-97	Total/NA	Water	9012B	455184
310-306065-12	MW-25A-00	Total/NA	Water	9012B	455184
310-306065-13	MW-23A	Total/NA	Water	9012B	455184
MB 310-455184/1-A	Method Blank	Total/NA	Water	9012B	455184
LCS 310-455184/2-A	Lab Control Sample	Total/NA	Water	9012B	455184

General Chemistry (Continued)

Analysis Batch: 455272 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-12 MS	MW-25A-00	Total/NA	Water	9012B	455184
310-306065-12 MSD	MW-25A-00	Total/NA	Water	9012B	455184

Analysis Batch: 817552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306065-1	MW-31B	Total/NA	Water	9034	
310-306065-3	MW-215A	Total/NA	Water	9034	
310-306065-5	MW-24A	Total/NA	Water	9034	
310-306065-10	MW-1A	Total/NA	Water	9034	
310-306065-11	MW-2A-97	Total/NA	Water	9034	
310-306065-12	MW-25A-00	Total/NA	Water	9034	
310-306065-13	MW-23A	Total/NA	Water	9034	
MB 500-817552/1	Method Blank	Total/NA	Water	9034	
LCS 500-817552/2	Lab Control Sample	Total/NA	Water	9034	

Client Sample ID: MW-31B
Lab Sample ID: 310-306065-1

Date Collected: 05/07/25 07:42
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454398	WSE8	EET CF	05/13/25 13:32
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	454804	V7YZ	EET CF	05/15/25 21:20
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	455360	V7YZ	EET CF	05/21/25 19:38
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	454595	V7YZ	EET CF	05/14/25 16:46
Total/NA	Analysis	8015C		1	455047	BW2O	EET CF	05/19/25 12:16
Total/NA	Prep	3511			454688	BW2O	EET CF	05/14/25 12:40
Total/NA	Analysis	8081B		1	454627	BW2O	EET CF	05/14/25 18:11
Total/NA	Prep	3511			454688	BW2O	EET CF	05/14/25 12:40
Total/NA	Analysis	8082A		1	454625	BW2O	EET CF	05/14/25 18:11
Total/NA	Prep	8151A			644073	QJZ6	ELLE	05/14/25 15:21
Total/NA	Analysis	8151A		1	644309	UAMZ	ELLE	05/15/25 08:56
Total/NA	Prep	3005A			454569	QTZ5	EET CF	05/14/25 09:00
Total/NA	Analysis	6020B		1	454894	NFT2	EET CF	05/15/25 17:10
Total/NA	Prep	7470A			454661	F5MW	EET CF	05/15/25 12:44
Total/NA	Analysis	7470A		1	454962	F5MW	EET CF	05/16/25 12:33
Total/NA	Prep	9012B			455052	ENB7	EET CF	05/19/25 09:47
Total/NA	Analysis	9012B		1	455131	ZJX4	EET CF	05/19/25 21:27
Total/NA	Analysis	9034		1	817552	CLB	EET CHI	05/14/25 00:24 - 05/14/25 00:28 [1]
Total/NA	Analysis	I-3765-85		1	454461	MDU9	EET CF	05/12/25 20:44

Client Sample ID: Dup-2
Lab Sample ID: 310-306065-2

Date Collected: 05/07/25 07:42
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454398	WSE8	EET CF	05/13/25 13:54
Total/NA	Prep	3005A			454569	QTZ5	EET CF	05/14/25 09:00
Total/NA	Analysis	6020B		1	454894	NFT2	EET CF	05/15/25 17:13
Total/NA	Analysis	I-3765-85		1	454461	MDU9	EET CF	05/12/25 20:44

Client Sample ID: MW-215A
Lab Sample ID: 310-306065-3

Date Collected: 05/07/25 08:33
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454398	WSE8	EET CF	05/13/25 14:16
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	454804	V7YZ	EET CF	05/15/25 21:46
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	455360	V7YZ	EET CF	05/21/25 19:57

Lab Chronicle

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-215A
Lab Sample ID: 310-306065-3
Date Collected: 05/07/25 08:33
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	454595	V7YZ	EET CF	05/14/25 17:17
Total/NA	Analysis	8015C		1	455047	BW2O	EET CF	05/19/25 12:36
Total/NA	Prep	3511			454688	BW2O	EET CF	05/14/25 12:40
Total/NA	Analysis	8081B		1	454627	BW2O	EET CF	05/14/25 19:03
Total/NA	Prep	3511			454688	BW2O	EET CF	05/14/25 12:40
Total/NA	Analysis	8082A		1	454625	BW2O	EET CF	05/14/25 19:03
Total/NA	Prep	8151A			644073	QJZ6	ELLE	05/14/25 15:21
Total/NA	Analysis	8151A		1	644309	UAMZ	ELLE	05/15/25 09:24
Total/NA	Prep	3005A			454569	QTZ5	EET CF	05/14/25 09:00
Total/NA	Analysis	6020B		1	454894	NFT2	EET CF	05/15/25 17:21
Total/NA	Prep	7470A			454864	F5MW	EET CF	05/16/25 11:31
Total/NA	Analysis	7470A		1	455111	F5MW	EET CF	05/19/25 11:10
Total/NA	Prep	9012B			455052	ENB7	EET CF	05/19/25 09:47
Total/NA	Analysis	9012B		1	455131	ZJX4	EET CF	05/19/25 21:46
Total/NA	Analysis	9034		1	817552	CLB	EET CHI	05/14/25 00:28 - 05/14/25 00:32 [1]
Total/NA	Analysis	I-3765-85		1	454504	HE7K	EET CF	05/13/25 10:13

Client Sample ID: MW-12B
Lab Sample ID: 310-306065-4
Date Collected: 05/07/25 09:32
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	454595	V7YZ	EET CF	05/14/25 17:48
Total/NA	Prep	3005A			454569	QTZ5	EET CF	05/14/25 09:00
Total/NA	Analysis	6020B		1	454894	NFT2	EET CF	05/15/25 17:24
Total/NA	Analysis	I-3765-85		1	454504	HE7K	EET CF	05/13/25 10:13

Client Sample ID: MW-24A
Lab Sample ID: 310-306065-5
Date Collected: 05/07/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454398	WSE8	EET CF	05/13/25 14:39
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	454804	V7YZ	EET CF	05/15/25 22:39
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	455360	V7YZ	EET CF	05/21/25 20:17
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	454595	V7YZ	EET CF	05/14/25 18:18
Total/NA	Analysis	8015C		1	455047	BW2O	EET CF	05/19/25 12:56
Total/NA	Prep	3511			454688	BW2O	EET CF	05/14/25 12:40
Total/NA	Analysis	8081B		1	454627	BW2O	EET CF	05/14/25 19:17

Client Sample ID: MW-24A
Lab Sample ID: 310-306065-5

Date Collected: 05/07/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3511			454688	BW2O	EET CF	05/14/25 12:40
Total/NA	Analysis	8082A		1	454625	BW2O	EET CF	05/14/25 19:17
Total/NA	Prep	8151A			644073	QJZ6	ELLE	05/14/25 15:21
Total/NA	Analysis	8151A		1	644309	UAMZ	ELLE	05/15/25 09:53
Total/NA	Prep	3005A			454569	QTZ5	EET CF	05/14/25 09:00
Total/NA	Analysis	6020B		1	454894	NFT2	EET CF	05/15/25 17:26
Total/NA	Prep	7470A			454864	F5MW	EET CF	05/16/25 11:31
Total/NA	Analysis	7470A		1	455111	F5MW	EET CF	05/19/25 11:21
Total/NA	Prep	9012B			455052	ENB7	EET CF	05/19/25 09:47
Total/NA	Analysis	9012B		1	455131	ZJX4	EET CF	05/19/25 21:47
Total/NA	Analysis	9034		1	817552	CLB	EET CHI	05/14/25 00:32 - 05/14/25 00:36 [1]
Total/NA	Analysis	I-3765-85		1	454504	HE7K	EET CF	05/13/25 10:13

Client Sample ID: Dup-1
Lab Sample ID: 310-306065-6

Date Collected: 05/07/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454398	WSE8	EET CF	05/13/25 15:01
Total/NA	Prep	3005A			454569	QTZ5	EET CF	05/14/25 09:00
Total/NA	Analysis	6020B		1	454894	NFT2	EET CF	05/15/25 17:29
Total/NA	Analysis	I-3765-85		1	454504	HE7K	EET CF	05/13/25 10:13

Client Sample ID: MW-216A
Lab Sample ID: 310-306065-7

Date Collected: 05/07/25 12:27
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454398	WSE8	EET CF	05/13/25 15:24
Total/NA	Prep	3005A			454569	QTZ5	EET CF	05/14/25 09:00
Total/NA	Analysis	6020B		1	454894	NFT2	EET CF	05/15/25 17:32
Total/NA	Analysis	I-3765-85		1	454461	MDU9	EET CF	05/12/25 20:44

Client Sample ID: MW-217A
Lab Sample ID: 310-306065-8

Date Collected: 05/07/25 12:56
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454398	WSE8	EET CF	05/13/25 15:47
Total/NA	Prep	3005A			454569	QTZ5	EET CF	05/14/25 09:00
Total/NA	Analysis	6020B		1	454894	NFT2	EET CF	05/15/25 17:35
Total/NA	Analysis	I-3765-85		1	454461	MDU9	EET CF	05/12/25 20:44

Lab Chronicle

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-218A
Lab Sample ID: 310-306065-9
Date Collected: 05/07/25 13:30
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454398	WSE8	EET CF	05/13/25 16:09
Total/NA	Prep	3005A			454569	QTZ5	EET CF	05/14/25 09:00
Total/NA	Analysis	6020B		1	454894	NFT2	EET CF	05/15/25 17:40
Total/NA	Analysis	I-3765-85		1	454461	MDU9	EET CF	05/12/25 20:44

Client Sample ID: MW-1A
Lab Sample ID: 310-306065-10
Date Collected: 05/08/25 07:37
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454398	WSE8	EET CF	05/13/25 16:32
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	455173	V7YZ	EET CF	05/20/25 13:43
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	455490	D2YP	EET CF	05/23/25 03:26
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	454749	V7YZ	EET CF	05/15/25 16:26
Total/NA	Analysis	8015C		1	455047	BW2O	EET CF	05/19/25 13:16
Total/NA	Prep	3511			454688	BW2O	EET CF	05/14/25 12:40
Total/NA	Analysis	8081B		1	454627	BW2O	EET CF	05/14/25 19:30
Total/NA	Prep	3511			454688	BW2O	EET CF	05/14/25 12:40
Total/NA	Analysis	8082A		1	454625	BW2O	EET CF	05/14/25 19:30
Total/NA	Prep	8151A			644073	QJZ6	ELLE	05/14/25 15:21
Total/NA	Analysis	8151A		1	644309	UAMZ	ELLE	05/15/25 10:21
Total/NA	Analysis	9056A		1	454543	QTZ5	EET CF	05/09/25 22:15
Total/NA	Analysis	9056A		20	454543	QTZ5	EET CF	05/12/25 11:25
Total/NA	Prep	3005A			454569	QTZ5	EET CF	05/14/25 09:00
Total/NA	Analysis	6020B		1	454894	NFT2	EET CF	05/15/25 17:43
Total/NA	Prep	7470A			454864	F5MW	EET CF	05/16/25 11:31
Total/NA	Analysis	7470A		1	455111	F5MW	EET CF	05/19/25 11:23
Total/NA	Prep	9012B			455052	ENB7	EET CF	05/19/25 09:47
Total/NA	Analysis	9012B		1	455131	ZJX4	EET CF	05/19/25 21:47
Total/NA	Analysis	9034		1	817552	CLB	EET CHI	05/14/25 00:36 - 05/14/25 00:40 [1]
Total/NA	Analysis	9060A		1	454963	HE7K	EET CF	05/16/25 02:01
Total/NA	Analysis	I-3765-85		1	454650	HE7K	EET CF	05/14/25 09:45

Client Sample ID: MW-2A-97
Lab Sample ID: 310-306065-11
Date Collected: 05/08/25 08:52
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454398	WSE8	EET CF	05/13/25 16:55
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	455173	V7YZ	EET CF	05/20/25 14:10

Client Sample ID: MW-2A-97
Lab Sample ID: 310-306065-11

Date Collected: 05/08/25 08:52
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	455490	D2YP	EET CF	05/23/25 03:45
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	454749	V7YZ	EET CF	05/15/25 16:56
Total/NA	Analysis	8015C		1	455047	BW2O	EET CF	05/19/25 13:36
Total/NA	Prep	3511			454688	BW2O	EET CF	05/14/25 12:40
Total/NA	Analysis	8081B		1	454627	BW2O	EET CF	05/14/25 19:43
Total/NA	Prep	3511			454688	BW2O	EET CF	05/14/25 12:40
Total/NA	Analysis	8082A		1	454625	BW2O	EET CF	05/14/25 19:43
Total/NA	Prep	8151A			644073	QJZ6	ELLE	05/14/25 15:21
Total/NA	Analysis	8151A		1	644309	UAMZ	ELLE	05/15/25 10:49
Total/NA	Analysis	9056A		1	454543	QTZ5	EET CF	05/09/25 22:54
Total/NA	Prep	3005A			454569	QTZ5	EET CF	05/14/25 09:00
Total/NA	Analysis	6020B		1	454894	NFT2	EET CF	05/15/25 17:45
Total/NA	Prep	7470A			454864	F5MW	EET CF	05/16/25 11:31
Total/NA	Analysis	7470A		1	455111	F5MW	EET CF	05/19/25 11:25
Total/NA	Prep	9012B			455184	ENB7	EET CF	05/20/25 10:08
Total/NA	Analysis	9012B		1	455272	ZJX4	EET CF	05/20/25 18:14
Total/NA	Analysis	9034		1	817552	CLB	EET CHI	05/14/25 00:40 - 05/14/25 00:44 [1]
Total/NA	Analysis	9060A		1	454963	HE7K	EET CF	05/16/25 02:38
Total/NA	Analysis	I-3765-85		1	454650	HE7K	EET CF	05/14/25 09:45

Client Sample ID: MW-25A-00
Lab Sample ID: 310-306065-12

Date Collected: 05/08/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454398	WSE8	EET CF	05/13/25 17:17
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	455173	V7YZ	EET CF	05/20/25 14:36
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	455490	D2YP	EET CF	05/23/25 04:05
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	454749	V7YZ	EET CF	05/15/25 17:26
Total/NA	Analysis	8015C		1	455047	BW2O	EET CF	05/19/25 13:58
Total/NA	Prep	3511			454688	BW2O	EET CF	05/14/25 12:40
Total/NA	Analysis	8081B		1	454627	BW2O	EET CF	05/14/25 19:55
Total/NA	Prep	3511			454688	BW2O	EET CF	05/14/25 12:40
Total/NA	Analysis	8082A		1	454625	BW2O	EET CF	05/14/25 19:55
Total/NA	Prep	8151A			644073	QJZ6	ELLE	05/14/25 15:21
Total/NA	Analysis	8151A		1	644309	UAMZ	ELLE	05/15/25 12:43
Total/NA	Prep	3005A			454569	QTZ5	EET CF	05/14/25 09:00
Total/NA	Analysis	6020B		1	454894	NFT2	EET CF	05/15/25 17:53

Lab Chronicle

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-25A-00
Lab Sample ID: 310-306065-12

Date Collected: 05/08/25 10:15
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			454864	F5MW	EET CF	05/16/25 11:31
Total/NA	Analysis	7470A		1	455111	F5MW	EET CF	05/19/25 11:27
Total/NA	Prep	9012B			455184	ENB7	EET CF	05/20/25 10:08
Total/NA	Analysis	9012B		1	455272	ZJX4	EET CF	05/20/25 18:06
Total/NA	Analysis	9034		1	817552	CLB	EET CHI	05/14/25 00:44 - 05/14/25 00:48 [1]
Total/NA	Analysis	I-3765-85		1	454504	HE7K	EET CF	05/13/25 10:13

Client Sample ID: MW-23A
Lab Sample ID: 310-306065-13

Date Collected: 05/08/25 12:32
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454398	WSE8	EET CF	05/13/25 17:40
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	455173	V7YZ	EET CF	05/20/25 15:03
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	455490	D2YP	EET CF	05/23/25 04:24
Total/NA	Prep	3510C			454523	J5BR	EET CF	05/13/25 11:58
Total/NA	Analysis	8270E		1	454749	V7YZ	EET CF	05/15/25 17:57
Total/NA	Analysis	8015C		1	455047	BW2O	EET CF	05/19/25 14:19
Total/NA	Prep	3511			454688	BW2O	EET CF	05/14/25 12:40
Total/NA	Analysis	8081B		1	454627	BW2O	EET CF	05/14/25 20:08
Total/NA	Prep	3511			454688	BW2O	EET CF	05/14/25 12:40
Total/NA	Analysis	8082A		1	454625	BW2O	EET CF	05/14/25 20:08
Total/NA	Prep	8151A			644073	QJZ6	ELLE	05/14/25 15:21
Total/NA	Analysis	8151A		1	644309	UAMZ	ELLE	05/15/25 13:11
Total/NA	Prep	3005A			454569	QTZ5	EET CF	05/14/25 09:00
Total/NA	Analysis	6020B		1	454894	NFT2	EET CF	05/15/25 17:56
Total/NA	Prep	7470A			454864	F5MW	EET CF	05/16/25 11:31
Total/NA	Analysis	7470A		1	455111	F5MW	EET CF	05/19/25 11:29
Total/NA	Prep	9012B			455184	ENB7	EET CF	05/20/25 10:08
Total/NA	Analysis	9012B		1	455272	ZJX4	EET CF	05/20/25 18:10
Total/NA	Analysis	9034		1	817552	CLB	EET CHI	05/14/25 00:48 - 05/14/25 00:51 [1]
Total/NA	Analysis	I-3765-85		1	454504	HE7K	EET CF	05/13/25 10:13

Client Sample ID: MW-404
Lab Sample ID: 310-306065-14

Date Collected: 05/08/25 13:31
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454418	FE5V	EET CF	05/13/25 06:41

Lab Chronicle

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-410
Lab Sample ID: 310-306065-15

Date Collected: 05/08/25 14:06
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454525	WSE8	EET CF	05/14/25 01:55
Total/NA	Prep	3005A			454569	QTZ5	EET CF	05/14/25 09:00
Total/NA	Analysis	6020B		1	454894	NFT2	EET CF	05/15/25 17:58
Total/NA	Analysis	I-3765-85		1	454504	HE7K	EET CF	05/13/25 10:13

Client Sample ID: Trip Blank
Lab Sample ID: 310-306065-16

Date Collected: 05/08/25 00:00
Matrix: Water
Date Received: 05/09/25 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454398	WSE8	EET CF	05/13/25 12:46

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,2,4-Trichlorobenzene
8260D		Water	Allyl chloride
8260D		Water	Ethyl methacrylate

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	05-19-25
A2LA	Dept. of Energy	0001.01	05-19-25
A2LA	ISO/IEC 17025	0001.01	05-19-25
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	05-18-25
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	05-18-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	05-18-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	05-18-25
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	05-15-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	05-19-25
Kentucky (WW)	State	KY90088	05-18-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	05-18-25
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	05-15-25

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	05-20-25
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	05-18-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	05-18-25
Oregon	NELAP	PA200001	05-18-25
Pennsylvania	NELAP	36-00037	05-18-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	05-15-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	05-18-25
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	05-19-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8015C	Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)	SW846	EET CF
8081B	Organochlorine Pesticides (GC)	SW846	EET CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
8151A	Herbicides (GC)	SW846	ELLE
9056A	Anions, Ion Chromatography	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
9012B	Cyanide, Total andor Amenable	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
9060A	Organic Carbon, Total (TOC)	SW846	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CF
3511	Microextraction of Organic Compounds	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF
7470A	Preparation, Mercury	SW846	EET CF
8151A	Extraction (Herbicides)	SW846	ELLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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310-306065 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR Inc.

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 5.9.25 | TIME 1430 | Received By: CGC

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other.

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID: 5.9.25

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 1 of 4 ~~4~~ 6

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☒ Yes ☐ No *If yes:* Which VOA samples are in cooler? ↓

MW-216A, MW-217A, Dup 1, Dup 2

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): | Corrected Temp (°C):

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:	1L Plastic Unpreserved	
Uncorrected Temp (°C):	4.3	
Corrected Temp (°C):	4.3	

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (*e.g.*, bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Only unpreserved trip blanks received

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR Inc.

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 5.9.25 | TIME 1430 | Received By: CGC

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 2 of 4 CCL 5.9.25 6

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.4 | Corrected Temp (°C): 1.4

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR Inc.

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 5.9.25 | TIME 1430 | Received By: CGC

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 3 of 4 CGC 5.9.25 6

Cooler Custody Seals Present? ☐ Yes ☑ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☑ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant. ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other _____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.6 | Corrected Temp (°C): 1.6

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR. Inc.

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 5.9.25 | TIME 1430 | Received By: CGC

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other.

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes:* Cooler ID.

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 4 of 4 CGC 5.9.25 6

Cooler Custody Seals Present? ☐ Yes ☑ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☑ Yes CGC 5.9.25 ☑ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: ☐ NONE

Thermometer ID: R | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.5 | Corrected Temp (°C): 1.5

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C).		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g , *bulging septa, broken/cracked bottles, frozen solid?*) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR Inc.

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 5.9.25 | TIME 1430 | Received By: CGC

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 5 of 6

Cooler Custody Seals Present? ☐ Yes ☑ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☑ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 2.1 | Corrected Temp (°C): 2.1

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C).		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

eurofins | Environment Testing America

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR Inc.

City/State: CITY | STATE | Project:

Receipt Information

Date/Time Received: DATE 5.9.25 | TIME 1430 | Received By: CGC

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☑ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☑ Yes ☐ No *If yes:* Cooler # 6 of 6

Cooler Custody Seals Present? ☐ Yes ☑ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☑ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☑ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☑ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE

Thermometer ID: R | Correction Factor (°C): 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.6 | Corrected Temp (°C): 1.8

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

COPY

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

Client Information	Sampler: Joel Fuhrmeister	Lab PM: Calhoun Conner M	Carrier Tracking No(s):	COC No: 310-105392-28018 1
Client Contact: Richard Wilson	Phone: 319-936-5194	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin:	Page: Page of
Company: HDR Inc	PWSID:	Analysis Requested		Job #:
Address: 1917 S 67th Street	Due Date Requested:			Preservation Codes: A HCL, N None, D HNO3, B NaOH, CB ZnAcetate/NaOH
City: Omaha	TAT Requested (days):			
State, Zip: NE, 68106	Compliance Project: Δ Yes Δ No			
Phone: 402-392-6714(Tel)	PO #:			
Email: richard.wilson2@hdrinc.com	WO #:			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			Other:
Site	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix 1	Appendix 2	TSS	Metals List- As, Ba, Co, Cu, Pb, Ni	App 1 VOCs Only	Sulfide	Natural Attenuation- Nitrate, sulfate, TOC, Fe, Mn	Dichlorodifluoromethane 8260D	Bis(2-ethylhexyl) phthalate 8270E	Arsenic	Cobalt	Benzene only	Tetrachloroethene, trichloroethene, vinyl chloride 8260D	Total Number of containers	Special Instructions/Note
			Preservation Code:																	
MW-31B	5-7-25	7:42	G	Water				X	X											Natural Attenuation – NITRATE, Sulfate, TOC, 6020- Fe, Mn
DUP-2	5-7-25	7:42	G	Water			X		X											
MW-215A	5-7-25	8:33	G	Water				X	X											
MW-12B	5-7-25	9:32	G	Water					X	X					X					
MW-~~23A~~ MW-24A	5-7-25	10:15	G	Water				X	X											
DUP 1	5-7-25	10,15	G	Water			X		X											
MW-216A	5-7-25	1227	G	Water			X		X											
MW-217A	5-7-25	1256	G	Water			X		X											
MW-218A	5-7-25	1330	G	Water			X		X											
MW-1A	5-8-25	7:37	G	Water				X	X				X							
MW-2A-97	5-8-25	8:54	G	Water				X	X				X							

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological	Return To Client Disposal By Lab Archive For Months
Deliverable Requested I II III IV Other (specify)	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	5-9-25/1270	Cote	Ken Henze	5/9/25 1230	Eurofins
Relinquished by	Date/Time	Company	Received by	Date/Time 6-9-25 1430	Company
Relinquished by	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) oC and Other Remarks.

Ver: 05/06/2024

COPY

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

Client Information	Sampler: Jack Fuhrmeister	Lab PM: Calhoun Conner M	Carrier Tracking No(s):	COC No: 310-105392-28018 1
Client Contact: Richard Wilson	Phone: 319-936-5194	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin:	Page: Page of
Company: HDR Inc	PWSID:			Job #:
Address: 1917 S 67th Street	Due Date Requested:			
City: Omaha	TAT Requested (days):			
State, Zip: NE, 68106	Compliance Project: \ Yes \ No			
Phone: 402-392-6714(Tel)	PO #:			
Email: richard.wilson2@hdrinc.com	WO #:			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL
N None
D HNO3
B NaOH
CB ZnAcetate/NaOH
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid O=waste/oil,	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix 1	Appendix 2	TSS	Metals List: As, Ba, Co, Cu, Pb, Ni	App 1 VOCs Only	Sulfide	Natural Attenuation: Nitrate, sulfate, TOC, Fe, Mn	Dichlorodifluoromethane 8260D	Bis[2-ethylhexyl] phthalate 8270E	Arsenic	Cobalt	Benzene only	Tetrachloroethene, trichloroethene, vinyl chloride 8260D	Total Number of containers	Special Instructions/Note
			Preservation Code:																		
MW-25A-00	5-8-25	1015	G	Water				X	X												Natural Attenuation = NITRATE, Sulfate, TOC, 6020- Fe, Mn
MW-23A	5-8-25	1232	G	Water				X	X												
MW-404	5-8-25	1331	G	Water															X		
MW-410	5-8-25	1436	G	Water			X		X												
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	

Possible Hazard Identification
Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client Disposal By Lab Archive For Months

Deliverable Requested: I II III IV Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
	5-9-25/1230	CFC	Kaitlyn Zo	5/9/25 1230	Eurofins
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
				5-9-25 1430	
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) oC and Other Remarks:

Ver: 05/06/2024

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-82911.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State - Iowa; State Program - Iowa		Job #: 310-306065-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/22/2025			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_AP Appendix II Herbicides	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-31B (310-306065-1)	5/7/25	07:42 Central	G	Water			X	2	
MW-215A (310-306065-3)	5/7/25	08:33 Central	G	Water			X	2	
MW-24A (310-306065-5)	5/7/25	10:15 Central	G	Water			X	2	
MW-1A (310-306065-10)	5/8/25	07:37 Central	G	Water			X	2	
MW-2A-97 (310-306065-11)	5/8/25	08:52 Central	G	Water			X	2	
MW-25A-00 (310-306065-12)	5/8/25	10:15 Central	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5/9/25 1600				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/10/25 10:00	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.3/1.3 1.4/1.2

Ver: 10/10/2022

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-82912.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State - Iowa; State Program - Iowa		Job #: 310-306065-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/22/2025			
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8151A/8151A_AP Appendix II Herbicides	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-23A (310-306065-13)	5/8/25	12:32 Central	G	Water			X	2	

Note: Since laboratory accreditations are subject to change. Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		5/9/25 1600				
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/10/25 10:00	Company: ELLET

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.3/1.3

Ver: 10/10/2024

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax: 319-277-2425

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-82908 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et.eurofinsus com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State - Iowa, State Program - Iowa		Job #: 310-306065-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 5/22/2025			
City: Tinley Park	TAT Requested (days): N/A			
State Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

Analysis Requested

310-306065 COC

Preservation Codes

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code.						
MW-31B (310-306065-1)	5/7/25	07 42 Central	G	Water			X	1	
MW-215A (310-306065-3)	5/7/25	08 33 Central	G	Water			X	1	
MW-24A (310-306065-5)	5/7/25	10 15 Central	G	Water			X	1	
MW-1A (310-306065-10)	5/8/25	07 37 Central	G	Water			X	1	
MW-2A-97 (310-306065-11)	5/8/25	08 52 Central	G	Water			X	1	
MW-25A-00 (310-306065-12)	5/8/25	10 15 Central	G	Water			X	1	
MW-23A (310-306065-13)	5/8/25	12 32 Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central LLC

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		5/8/25 1555		Stephanie Hernandez	5/10/25 1050	EEA
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		-0.1+0.5

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-306065-1
SDG Number:

Login Number: 306065
List Number: 1
Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-306065-1
SDG Number:

Login Number: 306065
List Number: 3
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago
List Creation: 05/10/25 11:52 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-306065-1
SDG Number:

Login Number: 306065
List Number: 2
Creator: McCaskey, Jonathan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 05/10/25 12:23 PM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Quantitation Limit Exceptions Summary

Client: HDR Inc
Job ID: 310-306065-1
Project/Site: Iowa City Landfill Spring 2025

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260D	1,2-Dibromo-3-Chloropropane	Water	Total/NA	ug/L	1.20	5
8260D	1,2-Dibromoethane (EDB)	Water	Total/NA	ug/L	0.340	1

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ANALYTICAL REPORT

PREPARED FOR

Attn: Richard Wilson
HDR Inc
1917 S 67th Street
Omaha, Nebraska 68106

Generated 5/23/2025 1:38:49 PM

JOB DESCRIPTION

Iowa City Landfill Spring 2025

JOB NUMBER

310-306180-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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Authorized for release by
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Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 5
Detection Summary 6
Client Sample Results 7
Definitions 19
Surrogate Summary 20
QC Sample Results 21
QC Association 32
Chronicle 34
Certification Summary 36
Method Summary 37
Chain of Custody 38
Receipt Checklists 42
Detection Limit Exceptions Summary 44

Job Narrative
310-306180-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/13/2025 3:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.7°C and 1.1°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 310-454639 recovered outside of the control limits for Bromomethane (-28.6%D) and Vinyl chloride (-21.9%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 310-454639/4).

Method 8260D: The continuing calibration verification (CCV) associated with batch 310-454675 recovered outside of the control limits for Vinyl chloride (-23.2%D), Chloroethane (-20.3%D), and Bromomethane (-32.9%D). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 310-454675/4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6020B: The laboratory control sample (LCS) for preparation batch 310-454919 and analytical batch 310-455152 recovered outside control limits for the following analytes: silver. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-306180-1	MW-219A	Water	05/09/25 08:05	05/13/25 15:25
310-306180-2	MW-220A	Water	05/09/25 08:30	05/13/25 15:25
310-306180-3	MW-407	Water	05/09/25 10:15	05/13/25 15:25
310-306180-4	MW-34A	Water	05/09/25 09:30	05/13/25 15:25
310-306180-5	MW-7C	Water	05/09/25 10:52	05/13/25 15:25
310-306180-6	MW-2C-97	Water	05/09/25 12:37	05/13/25 15:25
310-306180-7	MW-213A	Water	05/09/25 13:03	05/13/25 15:25
310-306180-8	MW-38A	Water	05/09/25 13:48	05/13/25 15:25

Detection Summary

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-219A — Lab Sample ID: 310-306180-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.617		0.00200	0.000660	mg/L	1		6020B	Total/NA
Total Suspended Solids	2.88		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-220A — Lab Sample ID: 310-306180-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.317		0.00200	0.000660	mg/L	1		6020B	Total/NA

Client Sample ID: MW-407 — Lab Sample ID: 310-306180-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	0.349	J	1.00	0.231	mg/L	1		9034	Total/NA
Total Suspended Solids	1.63	J	1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-34A — Lab Sample ID: 310-306180-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000541	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.339		0.00200	0.000660	mg/L	1		6020B	Total/NA

Client Sample ID: MW-7C — Lab Sample ID: 310-306180-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00277		0.00200	0.000530	mg/L	1		6020B	Total/NA
Total Suspended Solids	18.0		3.75	2.63	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-2C-97 — Lab Sample ID: 310-306180-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.00545		0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	6.75		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-213A — Lab Sample ID: 310-306180-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.000614	J	0.00200	0.000530	mg/L	1		6020B	Total/NA
Barium	0.0461		0.00200	0.000660	mg/L	1		6020B	Total/NA
Cobalt	0.000417	J	0.000500	0.000170	mg/L	1		6020B	Total/NA
Total Suspended Solids	5.75		1.88	1.31	mg/L	1		I-3765-85	Total/NA

Client Sample ID: MW-38A — Lab Sample ID: 310-306180-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.321		0.00200	0.000660	mg/L	1		6020B	Total/NA
Chromium	0.00258	J	0.00500	0.00180	mg/L	1		6020B	Total/NA
Nickel	0.00278	J	0.00500	0.00230	mg/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-219A
Lab Sample ID: 310-306180-1
Date Collected: 05/09/25 08:05
Matrix: Water
Date Received: 05/13/25 15:25

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/14/25 18:43	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/14/25 18:43	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/14/25 18:43	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/14/25 18:43	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/14/25 18:43	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/14/25 18:43	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/14/25 18:43	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/14/25 18:43	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/14/25 18:43	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/14/25 18:43	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/14/25 18:43	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/14/25 18:43	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/14/25 18:43	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/14/25 18:43	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/14/25 18:43	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/14/25 18:43	1
Acetone	<10.0		10.0	3.10	ug/L			05/14/25 18:43	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/14/25 18:43	1
Benzene	<0.500		0.500	0.220	ug/L			05/14/25 18:43	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/14/25 18:43	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/14/25 18:43	1
Bromoform	<5.00		5.00	0.780	ug/L			05/14/25 18:43	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/14/25 18:43	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/14/25 18:43	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/14/25 18:43	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/14/25 18:43	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/14/25 18:43	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/14/25 18:43	1
Chloroform	<3.00		3.00	1.30	ug/L			05/14/25 18:43	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/14/25 18:43	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/14/25 18:43	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/14/25 18:43	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/14/25 18:43	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/14/25 18:43	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/14/25 18:43	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/14/25 18:43	1
Styrene	<1.00		1.00	0.370	ug/L			05/14/25 18:43	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/14/25 18:43	1
Toluene	<1.00		1.00	0.430	ug/L			05/14/25 18:43	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/14/25 18:43	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/14/25 18:43	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/14/25 18:43	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/14/25 18:43	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/14/25 18:43	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/14/25 18:43	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/14/25 18:43	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/14/25 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*114*		*76 - 130*		*05/14/25 18:43*	*1*

Client Sample ID: MW-219A
Lab Sample ID: 310-306180-1
Date Collected: 05/09/25 08:05
Matrix: Water
Date Received: 05/13/25 15:25

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/14/25 18:43*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/14/25 18:43*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/19/25 08:30	05/19/25 20:19	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/19/25 08:30	05/19/25 20:19	1
Barium	**0.617**		0.00200	0.000660	mg/L		05/19/25 08:30	05/19/25 20:19	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/19/25 08:30	05/19/25 20:19	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/19/25 08:30	05/19/25 20:19	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/19/25 08:30	05/19/25 20:19	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/19/25 08:30	05/19/25 20:19	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/19/25 08:30	05/19/25 20:19	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/19/25 08:30	05/19/25 20:19	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/19/25 08:30	05/19/25 20:19	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/19/25 08:30	05/19/25 20:19	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/19/25 08:30	05/19/25 20:19	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/19/25 08:30	05/19/25 20:19	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/19/25 08:30	05/19/25 20:19	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/19/25 08:30	05/19/25 20:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	**2.88**		1.88	1.31	mg/L			05/14/25 09:45	1

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-220A
Lab Sample ID: 310-306180-2
Date Collected: 05/09/25 08:30
Matrix: Water
Date Received: 05/13/25 15:25

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/14/25 23:58	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/14/25 23:58	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/14/25 23:58	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/14/25 23:58	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/14/25 23:58	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/14/25 23:58	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/14/25 23:58	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/14/25 23:58	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/14/25 23:58	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/14/25 23:58	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/14/25 23:58	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/14/25 23:58	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/14/25 23:58	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/14/25 23:58	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/14/25 23:58	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/14/25 23:58	1
Acetone	<10.0		10.0	3.10	ug/L			05/14/25 23:58	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/14/25 23:58	1
Benzene	<0.500		0.500	0.220	ug/L			05/14/25 23:58	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/14/25 23:58	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/14/25 23:58	1
Bromoform	<5.00		5.00	0.780	ug/L			05/14/25 23:58	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/14/25 23:58	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/14/25 23:58	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/14/25 23:58	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/14/25 23:58	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/14/25 23:58	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/14/25 23:58	1
Chloroform	<3.00		3.00	1.30	ug/L			05/14/25 23:58	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/14/25 23:58	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/14/25 23:58	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/14/25 23:58	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/14/25 23:58	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/14/25 23:58	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/14/25 23:58	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/14/25 23:58	1
Styrene	<1.00		1.00	0.370	ug/L			05/14/25 23:58	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/14/25 23:58	1
Toluene	<1.00		1.00	0.430	ug/L			05/14/25 23:58	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/14/25 23:58	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/14/25 23:58	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/14/25 23:58	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/14/25 23:58	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/14/25 23:58	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/14/25 23:58	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/14/25 23:58	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/14/25 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*76 - 130*		*05/14/25 23:58*	*1*

Client Sample ID: MW-220A
Lab Sample ID: 310-306180-2
Date Collected: 05/09/25 08:30
Matrix: Water
Date Received: 05/13/25 15:25

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/14/25 23:58*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/14/25 23:58*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/19/25 08:30	05/19/25 19:57	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/19/25 08:30	05/19/25 19:57	1
Barium	**0.317**		0.00200	0.000660	mg/L		05/19/25 08:30	05/19/25 19:57	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/19/25 08:30	05/19/25 19:57	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/19/25 08:30	05/19/25 19:57	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/19/25 08:30	05/19/25 19:57	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/19/25 08:30	05/19/25 19:57	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/19/25 08:30	05/19/25 19:57	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/19/25 08:30	05/19/25 19:57	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/19/25 08:30	05/19/25 19:57	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/19/25 08:30	05/19/25 19:57	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/19/25 08:30	05/19/25 19:57	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/19/25 08:30	05/19/25 19:57	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/19/25 08:30	05/19/25 19:57	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/19/25 08:30	05/19/25 19:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			05/14/25 09:45	1

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-407
Lab Sample ID: 310-306180-3
Date Collected: 05/09/25 10:15
Matrix: Water
Date Received: 05/13/25 15:25

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.500		0.500	0.220	ug/L			05/14/25 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*76 - 130*		*05/14/25 13:09*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/14/25 13:09*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/14/25 13:09*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/19/25 08:30	05/19/25 18:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	0.349	J	1.00	0.231	mg/L			05/16/25 02:21	1
Total Suspended Solids (USGS I-3765-85)	1.63	J	1.88	1.31	mg/L			05/14/25 09:45	1

Client: HDR Inc
Project/Site: Iowa City Landfill Spring 2025

Job ID: 310-306180-1

Client Sample ID: MW-34A
Date Collected: 05/09/25 09:30
Date Received: 05/13/25 15:25

Lab Sample ID: 310-306180-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/15/25 00:20	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/15/25 00:20	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/15/25 00:20	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/15/25 00:20	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/15/25 00:20	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/15/25 00:20	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/15/25 00:20	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/15/25 00:20	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/15/25 00:20	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/15/25 00:20	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/15/25 00:20	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/15/25 00:20	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/15/25 00:20	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/15/25 00:20	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/15/25 00:20	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/15/25 00:20	1
Acetone	<10.0		10.0	3.10	ug/L			05/15/25 00:20	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/15/25 00:20	1
Benzene	<0.500		0.500	0.220	ug/L			05/15/25 00:20	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/15/25 00:20	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/15/25 00:20	1
Bromoform	<5.00		5.00	0.780	ug/L			05/15/25 00:20	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/15/25 00:20	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/15/25 00:20	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/15/25 00:20	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/15/25 00:20	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/15/25 00:20	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/15/25 00:20	1
Chloroform	<3.00		3.00	1.30	ug/L			05/15/25 00:20	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/15/25 00:20	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/15/25 00:20	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/15/25 00:20	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/15/25 00:20	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/15/25 00:20	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/15/25 00:20	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/15/25 00:20	1
Styrene	<1.00		1.00	0.370	ug/L			05/15/25 00:20	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/15/25 00:20	1
Toluene	<1.00		1.00	0.430	ug/L			05/15/25 00:20	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/15/25 00:20	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/15/25 00:20	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/15/25 00:20	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/15/25 00:20	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/15/25 00:20	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/15/25 00:20	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/15/25 00:20	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/15/25 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*76 - 130*		*05/15/25 00:20*	*1*

Client Sample ID: MW-34A
Lab Sample ID: 310-306180-4
Date Collected: 05/09/25 09:30
Matrix: Water
Date Received: 05/13/25 15:25

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/15/25 00:20*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/15/25 00:20*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/19/25 08:30	05/19/25 18:30	1
Arsenic	**0.000541**	**J**	0.00200	0.000530	mg/L		05/19/25 08:30	05/19/25 18:30	1
Barium	**0.339**		0.00200	0.000660	mg/L		05/19/25 08:30	05/19/25 18:30	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/19/25 08:30	05/19/25 18:30	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/19/25 08:30	05/19/25 18:30	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/19/25 08:30	05/19/25 18:30	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/19/25 08:30	05/19/25 18:30	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/19/25 08:30	05/19/25 18:30	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/19/25 08:30	05/19/25 18:30	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/19/25 08:30	05/19/25 18:30	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/19/25 08:30	05/19/25 18:30	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/19/25 08:30	05/19/25 18:30	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/19/25 08:30	05/19/25 18:30	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/19/25 08:30	05/19/25 18:30	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/19/25 08:30	05/19/25 18:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			05/14/25 09:45	1

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-7C
Lab Sample ID: 310-306180-5
Date Collected: 05/09/25 10:52
Matrix: Water
Date Received: 05/13/25 15:25

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00277		0.00200	0.000530	mg/L		05/19/25 08:30	05/19/25 19:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	18.0		3.75	2.63	mg/L			05/14/25 09:45	1

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-2C-97
Lab Sample ID: 310-306180-6
Date Collected: 05/09/25 12:37
Matrix: Water
Date Received: 05/13/25 15:25

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00545		0.000500	0.000170	mg/L		05/19/25 08:30	05/19/25 18:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	6.75		1.88	1.31	mg/L			05/14/25 09:45	1

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-213A
Lab Sample ID: 310-306180-7
Date Collected: 05/09/25 13:03
Matrix: Water
Date Received: 05/13/25 15:25

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.000614	J	0.00200	0.000530	mg/L		05/19/25 08:30	05/19/25 20:22	1
Barium	0.0461		0.00200	0.000660	mg/L		05/19/25 08:30	05/19/25 20:22	1
Cobalt	0.000417	J	0.000500	0.000170	mg/L		05/19/25 08:30	05/19/25 20:22	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/19/25 08:30	05/19/25 20:22	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/19/25 08:30	05/19/25 20:22	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/19/25 08:30	05/19/25 20:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	5.75		1.88	1.31	mg/L			05/14/25 09:45	1

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-38A
Lab Sample ID: 310-306180-8
Date Collected: 05/09/25 13:48
Matrix: Water
Date Received: 05/13/25 15:25

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/15/25 00:43	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/15/25 00:43	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/15/25 00:43	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/15/25 00:43	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/15/25 00:43	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/15/25 00:43	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/15/25 00:43	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/15/25 00:43	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/15/25 00:43	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/15/25 00:43	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/15/25 00:43	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/15/25 00:43	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/15/25 00:43	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/15/25 00:43	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/15/25 00:43	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/15/25 00:43	1
Acetone	<10.0		10.0	3.10	ug/L			05/15/25 00:43	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/15/25 00:43	1
Benzene	<0.500		0.500	0.220	ug/L			05/15/25 00:43	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/15/25 00:43	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/15/25 00:43	1
Bromoform	<5.00		5.00	0.780	ug/L			05/15/25 00:43	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/15/25 00:43	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/15/25 00:43	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/15/25 00:43	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/15/25 00:43	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/15/25 00:43	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/15/25 00:43	1
Chloroform	<3.00		3.00	1.30	ug/L			05/15/25 00:43	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/15/25 00:43	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/15/25 00:43	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/15/25 00:43	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/15/25 00:43	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/15/25 00:43	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/15/25 00:43	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/15/25 00:43	1
Styrene	<1.00		1.00	0.370	ug/L			05/15/25 00:43	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/15/25 00:43	1
Toluene	<1.00		1.00	0.430	ug/L			05/15/25 00:43	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/15/25 00:43	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/15/25 00:43	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/15/25 00:43	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/15/25 00:43	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/15/25 00:43	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/15/25 00:43	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/15/25 00:43	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/15/25 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*05/15/25 00:43*	*1*

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-38A
Lab Sample ID: 310-306180-8
Date Collected: 05/09/25 13:48
Matrix: Water
Date Received: 05/13/25 15:25

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/15/25 00:43*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/15/25 00:43*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/19/25 08:30	05/19/25 19:59	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/19/25 08:30	05/19/25 19:59	1
Barium	**0.321**		0.00200	0.000660	mg/L		05/19/25 08:30	05/19/25 19:59	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/19/25 08:30	05/19/25 19:59	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/19/25 08:30	05/19/25 19:59	1
Chromium	**0.00258**	**J**	0.00500	0.00180	mg/L		05/19/25 08:30	05/19/25 19:59	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/19/25 08:30	05/19/25 19:59	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/19/25 08:30	05/19/25 19:59	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/19/25 08:30	05/19/25 19:59	1
Nickel	**0.00278**	**J**	0.00500	0.00230	mg/L		05/19/25 08:30	05/19/25 19:59	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/19/25 08:30	05/19/25 19:59	1
Silver	<0.00100	*+	0.00100	0.000500	mg/L		05/19/25 08:30	05/19/25 19:59	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/19/25 08:30	05/19/25 19:59	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/19/25 08:30	05/19/25 19:59	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/19/25 08:30	05/19/25 19:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	<1.88		1.88	1.31	mg/L			05/14/25 09:45	1

Definitions/Glossary

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Qualifiers

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	TOL	BFB
Lab Sample ID	Client Sample ID	(76-130)	(80-120)	(80-120)
310-306180-1	MW-219A	114	96	98
310-306180-1 MS	MW-219A	93	100	99
310-306180-1 MSD	MW-219A	96	100	99
310-306180-2	MW-220A	106	95	100
310-306180-3	MW-407	110	97	98
310-306180-4	MW-34A	110	92	96
310-306180-8	MW-38A	113	96	99
LCS 310-454639/7	Lab Control Sample	94	101	103
LCS 310-454639/8	Lab Control Sample	109	94	101
LCS 310-454672/6	Lab Control Sample	102	100	98
LCS 310-454675/7	Lab Control Sample	98	102	96
LCS 310-454675/8	Lab Control Sample	109	93	97
MB 310-454639/6	Method Blank	113	95	99
MB 310-454672/5	Method Blank	110	97	98
MB 310-454675/6	Method Blank	111	93	97

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 310-454639/6
Matrix: Water
Analysis Batch: 454639

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/14/25 10:04	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/14/25 10:04	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/14/25 10:04	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/14/25 10:04	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/14/25 10:04	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/14/25 10:04	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/14/25 10:04	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/14/25 10:04	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/14/25 10:04	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/14/25 10:04	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/14/25 10:04	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/14/25 10:04	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/14/25 10:04	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/14/25 10:04	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/14/25 10:04	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/14/25 10:04	1
Acetone	<10.0		10.0	3.10	ug/L			05/14/25 10:04	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/14/25 10:04	1
Benzene	<0.500		0.500	0.220	ug/L			05/14/25 10:04	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/14/25 10:04	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/14/25 10:04	1
Bromoform	<5.00		5.00	0.780	ug/L			05/14/25 10:04	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/14/25 10:04	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/14/25 10:04	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/14/25 10:04	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/14/25 10:04	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/14/25 10:04	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/14/25 10:04	1
Chloroform	<3.00		3.00	1.30	ug/L			05/14/25 10:04	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/14/25 10:04	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/14/25 10:04	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/14/25 10:04	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/14/25 10:04	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/14/25 10:04	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/14/25 10:04	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/14/25 10:04	1
Styrene	<1.00		1.00	0.370	ug/L			05/14/25 10:04	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/14/25 10:04	1
Toluene	<1.00		1.00	0.430	ug/L			05/14/25 10:04	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/14/25 10:04	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/14/25 10:04	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/14/25 10:04	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/14/25 10:04	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/14/25 10:04	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/14/25 10:04	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/14/25 10:04	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/14/25 10:04	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-454639/6
Matrix: Water
Analysis Batch: 454639

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*113*		*76 - 130*		*05/14/25 10:04*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/14/25 10:04*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/14/25 10:04*	*1*

Lab Sample ID: LCS 310-454639/7
Matrix: Water
Analysis Batch: 454639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.14		ug/L		96	70 - 121
1,1,1-Trichloroethane	20.0	19.21		ug/L		96	69 - 130
1,1,2,2-Tetrachloroethane	20.0	18.25		ug/L		91	70 - 122
1,1,2-Trichloroethane	20.0	18.80		ug/L		94	75 - 121
1,1-Dichloroethane	20.0	20.15		ug/L		101	69 - 127
1,1-Dichloroethene	20.0	20.47		ug/L		102	64 - 134
1,2,3-Trichloropropane	20.0	17.88		ug/L		89	70 - 122
1,2-Dibromo-3-Chloropropane	20.0	19.87		ug/L		99	62 - 132
1,2-Dibromoethane (EDB)	20.0	17.57		ug/L		88	74 - 122
1,2-Dichlorobenzene	20.0	18.64		ug/L		93	74 - 120
1,2-Dichloroethane	20.0	19.77		ug/L		99	68 - 125
1,2-Dichloropropane	20.0	19.35		ug/L		97	72 - 128
1,4-Dichlorobenzene	20.0	18.63		ug/L		93	72 - 120
2-Butanone (MEK)	40.0	44.15		ug/L		110	60 - 134
2-Hexanone	40.0	36.84		ug/L		92	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	41.44		ug/L		104	62 - 136
Acetone	40.0	40.01		ug/L		100	59 - 136
Acrylonitrile	200	199.5		ug/L		100	50 - 150
Benzene	20.0	19.39		ug/L		97	71 - 125
Bromochloromethane	20.0	19.66		ug/L		98	69 - 131
Bromodichloromethane	20.0	18.40		ug/L		92	70 - 122
Bromoform	20.0	17.97		ug/L		90	62 - 122
Carbon disulfide	20.0	20.72		ug/L		104	58 - 137
Carbon tetrachloride	20.0	19.87		ug/L		99	63 - 136
Chlorobenzene	20.0	19.00		ug/L		95	74 - 120
Chlorodibromomethane	20.0	17.08		ug/L		85	69 - 121
Chloroform	20.0	20.34		ug/L		102	72 - 122
cis-1,2-Dichloroethene	20.0	19.23		ug/L		96	72 - 123
cis-1,3-Dichloropropene	20.0	17.89		ug/L		89	72 - 123
Dibromomethane	20.0	20.61		ug/L		103	72 - 122
Ethylbenzene	20.0	19.51		ug/L		98	75 - 120
Iodomethane	20.0	12.47		ug/L		62	18 - 150
Methylene Chloride	20.0	20.28		ug/L		101	72 - 128
Styrene	20.0	17.80		ug/L		89	74 - 122
Tetrachloroethene	20.0	19.67		ug/L		98	70 - 128
Toluene	20.0	19.80		ug/L		99	74 - 120
trans-1,2-Dichloroethene	20.0	20.04		ug/L		100	67 - 127
trans-1,3-Dichloropropene	20.0	17.47		ug/L		87	67 - 123
trans-1,4-Dichloro-2-butene	20.0	19.22		ug/L		96	50 - 150

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454639/7
Matrix: Water
Analysis Batch: 454639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Trichloroethene			20.0	18.12		ug/L		91	70 - 128		
Vinyl acetate			40.0	32.49		ug/L		81	50 - 150		
Xylenes, Total			40.0	39.15		ug/L		98	74 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*76 - 130*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*

Lab Sample ID: LCS 310-454639/8
Matrix: Water
Analysis Batch: 454639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromomethane			20.0	11.54		ug/L		58	33 - 138		
Chloroethane			20.0	14.91		ug/L		75	59 - 139		
Chloromethane			20.0	15.67		ug/L		78	52 - 146		
Trichlorofluoromethane			20.0	15.83		ug/L		79	55 - 150		
Vinyl chloride			20.0	14.59		ug/L		73	60 - 142		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*109*		*76 - 130*
Toluene-d8 (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: 310-306180-1 MS
Matrix: Water
Analysis Batch: 454639

Client Sample ID: MW-219A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	<1.00		25.0	21.10		ug/L		84	55 - 121		
1,1,1-Trichloroethane	<1.00		25.0	20.40		ug/L		82	53 - 130		
1,1,2,2-Tetrachloroethane	<1.00		25.0	21.05		ug/L		84	55 - 123		
1,1,2-Trichloroethane	<1.00		25.0	20.49		ug/L		82	60 - 121		
1,1-Dichloroethane	<1.00		25.0	21.13		ug/L		85	53 - 127		
1,1-Dichloroethene	<2.00		25.0	22.80		ug/L		91	51 - 134		
1,2,3-Trichloropropane	<1.00		25.0	20.96		ug/L		84	56 - 122		
1,2-Dibromo-3-Chloropropane	<1.20		25.0	22.82		ug/L		91	44 - 138		
1,2-Dibromoethane (EDB)	<0.340		25.0	19.04		ug/L		76	60 - 122		
1,2-Dichlorobenzene	<1.00		25.0	21.63		ug/L		87	60 - 120		
1,2-Dichloroethane	<1.00		25.0	21.77		ug/L		87	48 - 128		
1,2-Dichloropropane	<1.00		25.0	21.80		ug/L		87	59 - 128		
1,4-Dichlorobenzene	<1.00		25.0	20.95		ug/L		84	58 - 120		
2-Butanone (MEK)	<10.0		50.0	46.60		ug/L		93	46 - 134		
2-Hexanone	<10.0		50.0	42.40		ug/L		85	46 - 141		
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	46.10		ug/L		92	49 - 138		
Acetone	<10.0		50.0	47.16		ug/L		94	39 - 141		
Acrylonitrile	<5.00		250	215.0		ug/L		86	41 - 150		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-306180-1 MS
Matrix: Water
Analysis Batch: 454639

Client Sample ID: MW-219A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.500		25.0	21.17		ug/L		85	48 - 125
Bromochloromethane	<5.00		25.0	21.95		ug/L		88	55 - 131
Bromodichloromethane	<1.00		25.0	20.28		ug/L		81	53 - 122
Bromoform	<5.00		25.0	20.76		ug/L		83	47 - 122
Carbon disulfide	<1.00		25.0	25.64		ug/L		103	45 - 137
Carbon tetrachloride	<2.00		25.0	22.17		ug/L		89	45 - 136
Chlorobenzene	<1.00		25.0	21.09		ug/L		84	59 - 120
Chlorodibromomethane	<5.00		25.0	19.52		ug/L		78	53 - 121
Chloroform	<3.00		25.0	22.08		ug/L		88	52 - 122
cis-1,2-Dichloroethene	<1.00		25.0	21.49		ug/L		86	51 - 123
cis-1,3-Dichloropropene	<5.00		25.0	19.25		ug/L		77	55 - 123
Dibromomethane	<1.00		25.0	22.18		ug/L		89	57 - 122
Ethylbenzene	<1.00		25.0	21.24		ug/L		85	53 - 120
Iodomethane	<10.0		25.0	12.82		ug/L		51	18 - 150
Methylene Chloride	<5.00		25.0	22.18		ug/L		89	59 - 128
Styrene	<1.00		25.0	19.27		ug/L		77	50 - 125
Tetrachloroethene	<1.00		25.0	21.25		ug/L		85	51 - 128
Toluene	<1.00		25.0	21.61		ug/L		86	52 - 120
trans-1,2-Dichloroethene	<1.00		25.0	22.13		ug/L		89	53 - 127
trans-1,3-Dichloropropene	<5.00		25.0	18.58		ug/L		74	50 - 123
trans-1,4-Dichloro-2-butene	<10.0		25.0	21.97		ug/L		88	28 - 150
Trichloroethene	<1.00		25.0	19.36		ug/L		77	50 - 128
Vinyl acetate	<10.0		50.0	36.15		ug/L		72	31 - 150
Xylenes, Total	<3.00		50.0	42.37		ug/L		85	50 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*93*		*76 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: 310-306180-1 MSD
Matrix: Water
Analysis Batch: 454639

Client Sample ID: MW-219A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<1.00		25.0	21.16		ug/L		85	55 - 121	0	20
1,1,1-Trichloroethane	<1.00		25.0	20.04		ug/L		80	53 - 130	2	20
1,1,2,2-Tetrachloroethane	<1.00		25.0	20.07		ug/L		80	55 - 123	5	20
1,1,2-Trichloroethane	<1.00		25.0	20.02		ug/L		80	60 - 121	2	20
1,1-Dichloroethane	<1.00		25.0	21.39		ug/L		86	53 - 127	1	20
1,1-Dichloroethene	<2.00		25.0	22.19		ug/L		89	51 - 134	3	20
1,2,3-Trichloropropane	<1.00		25.0	19.43		ug/L		78	56 - 122	8	21
1,2-Dibromo-3-Chloropropane	<1.20		25.0	23.10		ug/L		92	44 - 138	1	24
1,2-Dibromoethane (EDB)	<0.340		25.0	18.71		ug/L		75	60 - 122	2	20
1,2-Dichlorobenzene	<1.00		25.0	21.69		ug/L		87	60 - 120	0	20
1,2-Dichloroethane	<1.00		25.0	22.00		ug/L		88	48 - 128	1	20
1,2-Dichloropropane	<1.00		25.0	20.67		ug/L		83	59 - 128	5	20
1,4-Dichlorobenzene	<1.00		25.0	20.67		ug/L		83	58 - 120	1	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 310-306180-1 MSD
Client Sample ID: MW-219A
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454639

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Butanone (MEK)	<10.0		50.0	44.98		ug/L		90	46 - 134	4	23
2-Hexanone	<10.0		50.0	43.62		ug/L		87	46 - 141	3	20
4-Methyl-2-pentanone (MIBK)	<10.0		50.0	45.01		ug/L		90	49 - 138	2	20
Acetone	<10.0		50.0	48.32		ug/L		97	39 - 141	2	23
Acrylonitrile	<5.00		250	216.8		ug/L		87	41 - 150	1	20
Benzene	<0.500		25.0	20.65		ug/L		83	48 - 125	3	20
Bromochloromethane	<5.00		25.0	21.10		ug/L		84	55 - 131	4	21
Bromodichloromethane	<1.00		25.0	20.34		ug/L		81	53 - 122	0	20
Bromoform	<5.00		25.0	19.86		ug/L		79	47 - 122	4	20
Carbon disulfide	<1.00		25.0	21.84		ug/L		87	45 - 137	16	24
Carbon tetrachloride	<2.00		25.0	22.08		ug/L		88	45 - 136	0	20
Chlorobenzene	<1.00		25.0	20.04		ug/L		80	59 - 120	5	20
Chlorodibromomethane	<5.00		25.0	18.97		ug/L		76	53 - 121	3	20
Chloroform	<3.00		25.0	20.99		ug/L		84	52 - 122	5	20
cis-1,2-Dichloroethene	<1.00		25.0	20.96		ug/L		84	51 - 123	2	20
cis-1,3-Dichloropropene	<5.00		25.0	19.27		ug/L		77	55 - 123	0	20
Dibromomethane	<1.00		25.0	21.62		ug/L		86	57 - 122	3	20
Ethylbenzene	<1.00		25.0	20.61		ug/L		82	53 - 120	3	20
Iodomethane	<10.0		25.0	16.51		ug/L		66	18 - 150	25	32
Methylene Chloride	<5.00		25.0	21.72		ug/L		87	59 - 128	2	20
Styrene	<1.00		25.0	18.96		ug/L		76	50 - 125	2	20
Tetrachloroethene	<1.00		25.0	21.21		ug/L		85	51 - 128	0	20
Toluene	<1.00		25.0	21.35		ug/L		85	52 - 120	1	20
trans-1,2-Dichloroethene	<1.00		25.0	20.71		ug/L		83	53 - 127	7	20
trans-1,3-Dichloropropene	<5.00		25.0	18.40		ug/L		74	50 - 123	1	20
trans-1,4-Dichloro-2-butene	<10.0		25.0	18.90		ug/L		76	28 - 150	15	24
Trichloroethene	<1.00		25.0	19.11		ug/L		76	50 - 128	1	20
Vinyl acetate	<10.0		50.0	36.72		ug/L		73	31 - 150	2	25
Xylenes, Total	<3.00		50.0	41.26		ug/L		83	50 - 122	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*76 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 310-454672/5
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454672

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.500		0.500	0.220	ug/L			05/14/25 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*76 - 130*		*05/14/25 11:37*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/14/25 11:37*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/14/25 11:37*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454672/6
Matrix: Water
Analysis Batch: 454672

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	20.13		ug/L		101	71 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*76 - 130*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 310-454675/6
Matrix: Water
Analysis Batch: 454675

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00	0.380	ug/L			05/14/25 21:42	1
1,1,1-Trichloroethane	<1.00		1.00	0.190	ug/L			05/14/25 21:42	1
1,1,2,2-Tetrachloroethane	<1.00		1.00	0.470	ug/L			05/14/25 21:42	1
1,1,2-Trichloroethane	<1.00		1.00	0.450	ug/L			05/14/25 21:42	1
1,1-Dichloroethane	<1.00		1.00	0.220	ug/L			05/14/25 21:42	1
1,1-Dichloroethene	<2.00		2.00	0.560	ug/L			05/14/25 21:42	1
1,2,3-Trichloropropane	<1.00		1.00	0.590	ug/L			05/14/25 21:42	1
1,2-Dibromo-3-Chloropropane	<1.20		1.20	1.20	ug/L			05/14/25 21:42	1
1,2-Dibromoethane (EDB)	<0.340		0.340	0.340	ug/L			05/14/25 21:42	1
1,2-Dichlorobenzene	<1.00		1.00	0.370	ug/L			05/14/25 21:42	1
1,2-Dichloroethane	<1.00		1.00	0.390	ug/L			05/14/25 21:42	1
1,2-Dichloropropane	<1.00		1.00	0.270	ug/L			05/14/25 21:42	1
1,4-Dichlorobenzene	<1.00		1.00	0.230	ug/L			05/14/25 21:42	1
2-Butanone (MEK)	<10.0		10.0	2.10	ug/L			05/14/25 21:42	1
2-Hexanone	<10.0		10.0	2.00	ug/L			05/14/25 21:42	1
4-Methyl-2-pentanone (MIBK)	<10.0		10.0	2.10	ug/L			05/14/25 21:42	1
Acetone	<10.0		10.0	3.10	ug/L			05/14/25 21:42	1
Acrylonitrile	<5.00		5.00	2.20	ug/L			05/14/25 21:42	1
Benzene	<0.500		0.500	0.220	ug/L			05/14/25 21:42	1
Bromochloromethane	<5.00		5.00	0.540	ug/L			05/14/25 21:42	1
Bromodichloromethane	<1.00		1.00	0.390	ug/L			05/14/25 21:42	1
Bromoform	<5.00		5.00	0.780	ug/L			05/14/25 21:42	1
Bromomethane	<4.00		4.00	1.10	ug/L			05/14/25 21:42	1
Carbon disulfide	<1.00		1.00	0.450	ug/L			05/14/25 21:42	1
Carbon tetrachloride	<2.00		2.00	0.650	ug/L			05/14/25 21:42	1
Chlorobenzene	<1.00		1.00	0.400	ug/L			05/14/25 21:42	1
Chlorodibromomethane	<5.00		5.00	0.750	ug/L			05/14/25 21:42	1
Chloroethane	<4.00		4.00	0.790	ug/L			05/14/25 21:42	1
Chloroform	<3.00		3.00	1.30	ug/L			05/14/25 21:42	1
Chloromethane	<3.00		3.00	0.610	ug/L			05/14/25 21:42	1
cis-1,2-Dichloroethene	<1.00		1.00	0.210	ug/L			05/14/25 21:42	1
cis-1,3-Dichloropropene	<5.00		5.00	0.250	ug/L			05/14/25 21:42	1
Dibromomethane	<1.00		1.00	0.330	ug/L			05/14/25 21:42	1
Ethylbenzene	<1.00		1.00	0.310	ug/L			05/14/25 21:42	1
Iodomethane	<10.0		10.0	7.00	ug/L			05/14/25 21:42	1
Methylene Chloride	<5.00		5.00	1.70	ug/L			05/14/25 21:42	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 310-454675/6
Matrix: Water
Analysis Batch: 454675

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<1.00		1.00	0.370	ug/L			05/14/25 21:42	1
Tetrachloroethene	<1.00		1.00	0.480	ug/L			05/14/25 21:42	1
Toluene	<1.00		1.00	0.430	ug/L			05/14/25 21:42	1
trans-1,2-Dichloroethene	<1.00		1.00	0.270	ug/L			05/14/25 21:42	1
trans-1,3-Dichloropropene	<5.00		5.00	0.560	ug/L			05/14/25 21:42	1
trans-1,4-Dichloro-2-butene	<10.0		10.0	1.10	ug/L			05/14/25 21:42	1
Trichloroethene	<1.00		1.00	0.430	ug/L			05/14/25 21:42	1
Trichlorofluoromethane	<4.00		4.00	0.380	ug/L			05/14/25 21:42	1
Vinyl acetate	<10.0		10.0	2.50	ug/L			05/14/25 21:42	1
Vinyl chloride	<1.00		1.00	0.180	ug/L			05/14/25 21:42	1
Xylenes, Total	<3.00		3.00	0.400	ug/L			05/14/25 21:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*76 - 130*		*05/14/25 21:42*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/14/25 21:42*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/14/25 21:42*	*1*

Lab Sample ID: LCS 310-454675/7
Matrix: Water
Analysis Batch: 454675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.93		ug/L		100	70 - 121
1,1,1-Trichloroethane	20.0	20.28		ug/L		101	69 - 130
1,1,2,2-Tetrachloroethane	20.0	18.10		ug/L		90	70 - 122
1,1,2-Trichloroethane	20.0	18.25		ug/L		91	75 - 121
1,1-Dichloroethane	20.0	20.96		ug/L		105	69 - 127
1,1-Dichloroethene	20.0	21.89		ug/L		109	64 - 134
1,2,3-Trichloropropane	20.0	18.38		ug/L		92	70 - 122
1,2-Dibromo-3-Chloropropane	20.0	19.16		ug/L		96	62 - 132
1,2-Dibromoethane (EDB)	20.0	17.38		ug/L		87	74 - 122
1,2-Dichlorobenzene	20.0	19.36		ug/L		97	74 - 120
1,2-Dichloroethane	20.0	20.93		ug/L		105	68 - 125
1,2-Dichloropropane	20.0	20.22		ug/L		101	72 - 128
1,4-Dichlorobenzene	20.0	18.73		ug/L		94	72 - 120
2-Butanone (MEK)	40.0	38.50		ug/L		96	60 - 134
2-Hexanone	40.0	37.41		ug/L		94	62 - 139
4-Methyl-2-pentanone (MIBK)	40.0	38.64		ug/L		97	62 - 136
Acetone	40.0	45.06		ug/L		113	59 - 136
Acrylonitrile	200	200.3		ug/L		100	50 - 150
Benzene	20.0	20.36		ug/L		102	71 - 125
Bromochloromethane	20.0	20.53		ug/L		103	69 - 131
Bromodichloromethane	20.0	19.41		ug/L		97	70 - 122
Bromoform	20.0	18.48		ug/L		92	62 - 122
Carbon disulfide	20.0	21.98		ug/L		110	58 - 137
Carbon tetrachloride	20.0	21.52		ug/L		108	63 - 136
Chlorobenzene	20.0	19.81		ug/L		99	74 - 120
Chlorodibromomethane	20.0	17.70		ug/L		89	69 - 121

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-454675/7
Matrix: Water
Analysis Batch: 454675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	20.0	21.64		ug/L		108	72 - 122
cis-1,2-Dichloroethene	20.0	20.60		ug/L		103	72 - 123
cis-1,3-Dichloropropene	20.0	17.90		ug/L		89	72 - 123
Dibromomethane	20.0	21.25		ug/L		106	72 - 122
Ethylbenzene	20.0	20.16		ug/L		101	75 - 120
Iodomethane	20.0	13.28		ug/L		66	18 - 150
Methylene Chloride	20.0	21.37		ug/L		107	72 - 128
Styrene	20.0	18.21		ug/L		91	74 - 122
Tetrachloroethene	20.0	21.06		ug/L		105	70 - 128
Toluene	20.0	21.01		ug/L		105	74 - 120
trans-1,2-Dichloroethene	20.0	21.11		ug/L		106	67 - 127
trans-1,3-Dichloropropene	20.0	17.45		ug/L		87	67 - 123
trans-1,4-Dichloro-2-butene	20.0	17.51		ug/L		88	50 - 150
Trichloroethene	20.0	18.97		ug/L		95	70 - 128
Vinyl acetate	40.0	33.18		ug/L		83	50 - 150
Xylenes, Total	40.0	40.93		ug/L		102	74 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*76 - 130*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*

Lab Sample ID: LCS 310-454675/8
Matrix: Water
Analysis Batch: 454675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	11.78		ug/L		59	33 - 138
Chloroethane	20.0	15.04		ug/L		75	59 - 139
Chloromethane	20.0	15.43		ug/L		77	52 - 146
Trichlorofluoromethane	20.0	16.22		ug/L		81	55 - 150
Vinyl chloride	20.0	14.42		ug/L		72	60 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*109*		*76 - 130*
Toluene-d8 (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 310-454919/1-A
Matrix: Water
Analysis Batch: 455152

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/19/25 08:30	05/19/25 19:04	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/19/25 08:30	05/19/25 19:04	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/19/25 08:30	05/19/25 19:04	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 310-454919/1-A
Matrix: Water
Analysis Batch: 455152

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/19/25 08:30	05/19/25 19:04	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/19/25 08:30	05/19/25 19:04	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/19/25 08:30	05/19/25 19:04	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/19/25 08:30	05/19/25 19:04	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/19/25 08:30	05/19/25 19:04	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/19/25 08:30	05/19/25 19:04	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/19/25 08:30	05/19/25 19:04	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/19/25 08:30	05/19/25 19:04	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/19/25 08:30	05/19/25 19:04	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/19/25 08:30	05/19/25 19:04	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/19/25 08:30	05/19/25 19:04	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/19/25 08:30	05/19/25 19:04	1

Lab Sample ID: LCS 310-454919/2-A
Matrix: Water
Analysis Batch: 455152

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.2133		mg/L		107	80 - 120
Arsenic	0.200	0.2092		mg/L		105	80 - 120
Barium	0.100	0.1033		mg/L		103	80 - 120
Beryllium	0.100	0.09167		mg/L		92	80 - 120
Cadmium	0.100	0.09807		mg/L		98	80 - 120
Chromium	0.100	0.1007		mg/L		101	80 - 120
Cobalt	0.100	0.1092		mg/L		109	80 - 120
Copper	0.200	0.2179		mg/L		109	80 - 120
Lead	0.200	0.2163		mg/L		108	80 - 120
Nickel	0.200	0.2098		mg/L		105	80 - 120
Selenium	0.400	0.3932		mg/L		98	80 - 120
Silver	0.100	0.1224	*+	mg/L		122	80 - 120
Thallium	0.100	0.08205		mg/L		82	80 - 120
Vanadium	0.100	0.09935		mg/L		99	80 - 120
Zinc	0.200	0.1871		mg/L		94	80 - 120

Lab Sample ID: 310-306180-5 DU
Matrix: Water
Analysis Batch: 455152

Client Sample ID: MW-7C
Prep Type: Total/NA
Prep Batch: 454919

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.00200		<0.00200		mg/L		NC	20
Arsenic	0.00277		0.002733		mg/L		1	20
Barium	0.569		0.5738		mg/L		0.9	20
Beryllium	<0.00100		<0.00100		mg/L		NC	20
Cadmium	0.000420		0.0004220		mg/L		0.5	20
Chromium	<0.00500		<0.00500		mg/L		NC	20
Cobalt	<0.000500		<0.000500		mg/L		NC	20
Copper	<0.00500		<0.00500		mg/L		NC	20
Lead	<0.000500		<0.000500		mg/L		NC	20
Nickel	<0.00500		<0.00500		mg/L		NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 310-306180-5 DU
Matrix: Water
Analysis Batch: 455152

Client Sample ID: MW-7C
Prep Type: Total/NA
Prep Batch: 454919

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Selenium	<0.00500		<0.00500		mg/L		NC	20
Thallium	<0.00100		<0.00100		mg/L		NC	20
Vanadium	<0.00500		<0.00500		mg/L		NC	20
Zinc	<0.0200		<0.0200		mg/L		NC	20

Lab Sample ID: MB 310-454928/1-A
Matrix: Water
Analysis Batch: 455177

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 454928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00200		0.00200	0.00100	mg/L		05/19/25 08:30	05/19/25 17:45	1
Arsenic	<0.00200		0.00200	0.000530	mg/L		05/19/25 08:30	05/19/25 17:45	1
Barium	<0.00200		0.00200	0.000660	mg/L		05/19/25 08:30	05/19/25 17:45	1
Beryllium	<0.00100		0.00100	0.000330	mg/L		05/19/25 08:30	05/19/25 17:45	1
Cadmium	<0.000200		0.000200	0.000100	mg/L		05/19/25 08:30	05/19/25 17:45	1
Chromium	<0.00500		0.00500	0.00180	mg/L		05/19/25 08:30	05/19/25 17:45	1
Cobalt	<0.000500		0.000500	0.000170	mg/L		05/19/25 08:30	05/19/25 17:45	1
Copper	<0.00500		0.00500	0.00320	mg/L		05/19/25 08:30	05/19/25 17:45	1
Lead	<0.000500		0.000500	0.000330	mg/L		05/19/25 08:30	05/19/25 17:45	1
Nickel	<0.00500		0.00500	0.00230	mg/L		05/19/25 08:30	05/19/25 17:45	1
Selenium	<0.00500		0.00500	0.00140	mg/L		05/19/25 08:30	05/19/25 17:45	1
Silver	<0.00100		0.00100	0.000500	mg/L		05/19/25 08:30	05/19/25 17:45	1
Thallium	<0.00100		0.00100	0.000570	mg/L		05/19/25 08:30	05/19/25 17:45	1
Vanadium	<0.00500		0.00500	0.00170	mg/L		05/19/25 08:30	05/19/25 17:45	1
Zinc	<0.0200		0.0200	0.0130	mg/L		05/19/25 08:30	05/19/25 17:45	1

Lab Sample ID: LCS 310-454928/2-A
Matrix: Water
Analysis Batch: 455177

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 454928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.200	0.1951		mg/L		98	80 - 120
Arsenic	0.200	0.1895		mg/L		95	80 - 120
Barium	0.100	0.09908		mg/L		99	80 - 120
Beryllium	0.100	0.09468		mg/L		95	80 - 120
Cadmium	0.100	0.09634		mg/L		96	80 - 120
Chromium	0.100	0.09844		mg/L		98	80 - 120
Cobalt	0.100	0.1001		mg/L		100	80 - 120
Copper	0.200	0.1997		mg/L		100	80 - 120
Lead	0.200	0.1986		mg/L		99	80 - 120
Nickel	0.200	0.1970		mg/L		99	80 - 120
Selenium	0.400	0.3812		mg/L		95	80 - 120
Silver	0.100	0.1177		mg/L		118	80 - 120
Thallium	0.100	0.09095		mg/L		91	80 - 120
Vanadium	0.100	0.09717		mg/L		97	80 - 120
Zinc	0.200	0.1837		mg/L		92	80 - 120

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-817916/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 817916

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.00		1.00	0.231	mg/L			05/16/25 02:09	1

Lab Sample ID: LCS 500-817916/2
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 817916

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	3.97	3.698		mg/L		93	80 - 120

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-454650/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454650

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00	3.50	mg/L			05/14/25 09:45	1

Lab Sample ID: LCS 310-454650/2
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 454650

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	100.0		mg/L		100	81 - 116

GC/MS VOA

Analysis Batch: 454639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306180-1	MW-219A	Total/NA	Water	8260D	
MB 310-454639/6	Method Blank	Total/NA	Water	8260D	
LCS 310-454639/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-454639/8	Lab Control Sample	Total/NA	Water	8260D	
310-306180-1 MS	MW-219A	Total/NA	Water	8260D	
310-306180-1 MSD	MW-219A	Total/NA	Water	8260D	

Analysis Batch: 454672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306180-3	MW-407	Total/NA	Water	8260D	
MB 310-454672/5	Method Blank	Total/NA	Water	8260D	
LCS 310-454672/6	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 454675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306180-2	MW-220A	Total/NA	Water	8260D	
310-306180-4	MW-34A	Total/NA	Water	8260D	
310-306180-8	MW-38A	Total/NA	Water	8260D	
MB 310-454675/6	Method Blank	Total/NA	Water	8260D	
LCS 310-454675/7	Lab Control Sample	Total/NA	Water	8260D	
LCS 310-454675/8	Lab Control Sample	Total/NA	Water	8260D	

Metals

Prep Batch: 454919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306180-1	MW-219A	Total/NA	Water	3005A	
310-306180-2	MW-220A	Total/NA	Water	3005A	
310-306180-5	MW-7C	Total/NA	Water	3005A	
310-306180-7	MW-213A	Total/NA	Water	3005A	
310-306180-8	MW-38A	Total/NA	Water	3005A	
MB 310-454919/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-454919/2-A	Lab Control Sample	Total/NA	Water	3005A	
310-306180-5 DU	MW-7C	Total/NA	Water	3005A	

Prep Batch: 454928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306180-3	MW-407	Total/NA	Water	3005A	
310-306180-4	MW-34A	Total/NA	Water	3005A	
310-306180-6	MW-2C-97	Total/NA	Water	3005A	
MB 310-454928/1-A	Method Blank	Total/NA	Water	3005A	
LCS 310-454928/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 455152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306180-1	MW-219A	Total/NA	Water	6020B	454919
310-306180-2	MW-220A	Total/NA	Water	6020B	454919
310-306180-5	MW-7C	Total/NA	Water	6020B	454919
310-306180-7	MW-213A	Total/NA	Water	6020B	454919
310-306180-8	MW-38A	Total/NA	Water	6020B	454919
MB 310-454919/1-A	Method Blank	Total/NA	Water	6020B	454919

Metals (Continued)

Analysis Batch: 455152 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-454919/2-A	Lab Control Sample	Total/NA	Water	6020B	454919
310-306180-5 DU	MW-7C	Total/NA	Water	6020B	454919

Analysis Batch: 455177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306180-3	MW-407	Total/NA	Water	6020B	454928
310-306180-4	MW-34A	Total/NA	Water	6020B	454928
310-306180-6	MW-2C-97	Total/NA	Water	6020B	454928
MB 310-454928/1-A	Method Blank	Total/NA	Water	6020B	454928
LCS 310-454928/2-A	Lab Control Sample	Total/NA	Water	6020B	454928

General Chemistry

Analysis Batch: 454650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306180-1	MW-219A	Total/NA	Water	I-3765-85	
310-306180-2	MW-220A	Total/NA	Water	I-3765-85	
310-306180-3	MW-407	Total/NA	Water	I-3765-85	
310-306180-4	MW-34A	Total/NA	Water	I-3765-85	
310-306180-5	MW-7C	Total/NA	Water	I-3765-85	
310-306180-6	MW-2C-97	Total/NA	Water	I-3765-85	
310-306180-7	MW-213A	Total/NA	Water	I-3765-85	
310-306180-8	MW-38A	Total/NA	Water	I-3765-85	
MB 310-454650/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-454650/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 817916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-306180-3	MW-407	Total/NA	Water	9034	
MB 500-817916/1	Method Blank	Total/NA	Water	9034	
LCS 500-817916/2	Lab Control Sample	Total/NA	Water	9034	

Lab Chronicle

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-219A
Lab Sample ID: 310-306180-1
Date Collected: 05/09/25 08:05
Matrix: Water
Date Received: 05/13/25 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454639	WSE8	EET CF	05/14/25 18:43
Total/NA	Prep	3005A			454919	QTZ5	EET CF	05/19/25 08:30
Total/NA	Analysis	6020B		1	455152	NFT2	EET CF	05/19/25 20:19
Total/NA	Analysis	I-3765-85		1	454650	HE7K	EET CF	05/14/25 09:45

Client Sample ID: MW-220A
Lab Sample ID: 310-306180-2
Date Collected: 05/09/25 08:30
Matrix: Water
Date Received: 05/13/25 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454675	WSE8	EET CF	05/14/25 23:58
Total/NA	Prep	3005A			454919	QTZ5	EET CF	05/19/25 08:30
Total/NA	Analysis	6020B		1	455152	NFT2	EET CF	05/19/25 19:57
Total/NA	Analysis	I-3765-85		1	454650	HE7K	EET CF	05/14/25 09:45

Client Sample ID: MW-407
Lab Sample ID: 310-306180-3
Date Collected: 05/09/25 10:15
Matrix: Water
Date Received: 05/13/25 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454672	FE5V	EET CF	05/14/25 13:09
Total/NA	Prep	3005A			454928	QTZ5	EET CF	05/19/25 08:30
Total/NA	Analysis	6020B		1	455177	ZRI4	EET CF	05/19/25 18:27
Total/NA	Analysis	9034		1	817916	CLB	EET CHI	05/16/25 02:21 - 05/16/25 02:27 [1]
Total/NA	Analysis	I-3765-85		1	454650	HE7K	EET CF	05/14/25 09:45

Client Sample ID: MW-34A
Lab Sample ID: 310-306180-4
Date Collected: 05/09/25 09:30
Matrix: Water
Date Received: 05/13/25 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454675	WSE8	EET CF	05/15/25 00:20
Total/NA	Prep	3005A			454928	QTZ5	EET CF	05/19/25 08:30
Total/NA	Analysis	6020B		1	455177	ZRI4	EET CF	05/19/25 18:30
Total/NA	Analysis	I-3765-85		1	454650	HE7K	EET CF	05/14/25 09:45

Client Sample ID: MW-7C
Lab Sample ID: 310-306180-5
Date Collected: 05/09/25 10:52
Matrix: Water
Date Received: 05/13/25 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			454919	QTZ5	EET CF	05/19/25 08:30
Total/NA	Analysis	6020B		1	455152	NFT2	EET CF	05/19/25 19:52
Total/NA	Analysis	I-3765-85		1	454650	HE7K	EET CF	05/14/25 09:45

Lab Chronicle

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Client Sample ID: MW-2C-97
Lab Sample ID: 310-306180-6
Date Collected: 05/09/25 12:37
Matrix: Water
Date Received: 05/13/25 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			454928	QTZ5	EET CF	05/19/25 08:30
Total/NA	Analysis	6020B		1	455177	ZRI4	EET CF	05/19/25 18:44
Total/NA	Analysis	I-3765-85		1	454650	HE7K	EET CF	05/14/25 09:45

Client Sample ID: MW-213A
Lab Sample ID: 310-306180-7
Date Collected: 05/09/25 13:03
Matrix: Water
Date Received: 05/13/25 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			454919	QTZ5	EET CF	05/19/25 08:30
Total/NA	Analysis	6020B		1	455152	NFT2	EET CF	05/19/25 20:22
Total/NA	Analysis	I-3765-85		1	454650	HE7K	EET CF	05/14/25 09:45

Client Sample ID: MW-38A
Lab Sample ID: 310-306180-8
Date Collected: 05/09/25 13:48
Matrix: Water
Date Received: 05/13/25 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	454675	WSE8	EET CF	05/15/25 00:43
Total/NA	Prep	3005A			454919	QTZ5	EET CF	05/19/25 08:30
Total/NA	Analysis	6020B		1	455152	NFT2	EET CF	05/19/25 19:59
Total/NA	Analysis	I-3765-85		1	454650	HE7K	EET CF	05/14/25 09:45

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Accreditation/Certification Summary

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Laboratory: Eurofins Cedar Falls

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-01-25

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Iowa	State	082	05-01-26

Method Summary

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
3005A	Preparation, Total Metals	SW846	EET CF
5030B	Purge and Trap	SW846	EET CF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

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310-306180 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY | STATE | Project: IA City Landfill

Receipt Information

Date/Time Received: DATE 5 13 25 | TIME 1525 | Received By: CC

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID.

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 1 of 2

Cooler Custody Seals Present? ☐ Yes ☒ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other._____ ☐ NONE

Thermometer ID: 2 | Correction Factor (°C): 0.0

• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 1.1 | Corrected Temp (°C): 1.1

• Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes.* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

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Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: HDR

City/State: CITY | STATE | Project: IA City Landfill

Receipt Information

Date/Time Received: DATE 5-13-25 | TIME 1525 | Received By: CC

Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☑ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID

Multiple Coolers? ☒ Yes ☐ No *If yes:* Cooler # 2 of 2

Cooler Custody Seals Present? ☐ Yes ☑ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: 2 | Correction Factor (°C): C 0

• **Temp Blank Temperature** – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 0.7 | Corrected Temp (°C): 0.7

• **Sample Container Temperature**

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g , bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE If yes, contact PM before proceeding If no, proceed with login

Additional Comments

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613
Phone (319) 277-2401 Phone (319) 277-2425

Chain of Custody Record

Client Information	Sampler: Joel Fuhrmeister	Lab PM: Calhoun, Conner M	Carrier Tracking No(s):	COC No: 310-105392-28018.1
Client Contact: Richard Wilson	Phone: 319-936-5194	E-Mail: Conner.Calhoun@et.eurofinsus.com	State of Origin:	Page: Page of
Company: HDR Inc	PWSID:	Analysis Requested		Job #:
Address: 1917 S 67th Street	Due Date Requested:			Preservation Codes: A HCL, N None, D HNO3, B NaOH, CB ZnAcetate/NaOH
City: Omaha	TAT Requested (days):			
State, Zip: NE, 68106	Compliance Project: \ Yes \ No			
Phone: 402-392-6714(Tel)	PO #:			
Email: richard.wilson2@hdrinc.com	WO #:			Other:
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil,	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Appendix 1	Appendix 2	TSS	Metals List: As, Ba, Co, Cu, Pb, Ni	App I VOCs Only	Sulfide	Natural Attenuation: Nitrate, sulfate, TOC, Fe, Mn	Dichlorodifluoromethane 8260D	Bis(2-ethylhexyl) phthalate 8270E	Arsenic	Cobalt	Benzene only	Tetrachloroethene, trichloroethene, vinyl chloride-8260D	Total Number of containers	Special Instructions/Note.
			Preservation Code:																	
MW-219A	5-9-25	9:05	G	Water			X		X											Natural Attenuation = NITRATE, Sulfate, TOC, 6020- Fe, Mn
MW-223A	5-9-25	8:30	G	Water			X		X											
MW-407	5-9-25	1015	G	Water					X			X				X		X		
MW-34A	5-9-25	9:30	G	Water			X		X											
MW-7C	5-9-25	1052	G	Water					X							X				
MW-2C-97	5-9-25	1237	G	Water					X								X			
MW-213A	5-9-25	1303	G	Water					X	X										
MW-38A	5-9-25	1348	G	Water			X		X											
				Water																
				Water																
				Water																

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Non-Hazard, Flammable, Skin Irritant, Poison B, Unknown, Radiological	Return To Client, Disposal By Lab, Archive For, Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5-13-25 1503	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No:	Cooler Temperature(s) oC and Other Remarks:

Ver: 05/06/2024

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone 319-277-2401 Fax 319-277-2425

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Calhoun, Conner M	Carrier Tracking No(s): N/A	COC No: 310-83042 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Conner Calhoun@et.eurofinsus com	State of Origin: Iowa	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): State - Iowa, State Program - Iowa		Job #: 310-306180-1
Address: 18410 Crossing Drive, Suite E,	Due Date Requested: 5/27/2025			
City: Tinley Park	TAT Requested (days): N/A			
State Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Iowa City Landfill Spring 2025	Project #: 31018052			
Site: N/A	SSOW#: N/A			

310-306180 COC

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9034_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code.						
MW-407 (310-306180-3)	5/9/25	10 15 Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing North Central LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing North Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing North Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	5/9/25 1320			5/15/25 0940	EETA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time:	Company	Received by	Date/Time	Company

Custody Seals Intact. ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		0.6-7.2

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-306180-1
SDG Number:

Login Number: 306180
List Number: 1
Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HDR Inc

Job Number: 310-306180-1
SDG Number:

Login Number: 306180
List Number: 2
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 05/15/25 05:27 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Quantitation Limit Exceptions Summary

Client: HDR Inc
Job ID: 310-306180-1
Project/Site: Iowa City Landfill Spring 2025

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260D	1,2-Dibromo-3-Chloropropane	Water	Total/NA	ug/L	1.20	5
8260D	1,2-Dibromoethane (EDB)	Water	Total/NA	ug/L	0.340	1

Appendix D

Historical Groundwater Analytical Data Summary

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Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	7/7/2009										<1	<1	<1	<1			<1	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	9/2/2009										<1	<1	<1	<1			<1	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/25/2009	<2		<5	<2	<2	<1	<5			<2	<2	<2	<1			<1	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1/2/2010										<5	<4	<5	<4			<5	<5					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/3/2010									<2	<2	<2	<2	<2	<2	<2	<2	<2					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/10/2010	<4		<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	7/8/2010									<1					<1	<1							
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	9/13/2010									<5					<5	<5							
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1/10/2011									<1					<1	<1							
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/4/2011									<1					<1	<1							
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	12/5/2011				<2													<2					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	6/25/2012					<1		<1															
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	7/10/2013																		<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/20/2018											<1					<1	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/25/2018						<1																
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/30/2018			<1	<1	<1										<1							
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/1/2018								<1										<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/2/2018																				<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	6/24/2020		<1																				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1/21/2021		<1																				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/9/2024		<1.00								<1.00												
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/10/2024						<1.00			<1.00													
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/15/2024																				<1.00		<1.00
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/23/2025	<1.00										<1.00					<1.00						
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/24/2025													<1.00									
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/30/2025		<1.00							<1.00													
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/5/2025						<1.00																
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/6/2025										<1.00		<1.00										
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/8/2025			<1.00		<1.00																	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
1,1,1-Trichloroethane	71-55-6	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
1,1,1-Trichloroethane	71-55-6	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
1,1,1-Trichloroethane	71-55-6	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
1,1,1-Trichloroethane	71-55-6	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
1,1,1-Trichloroethane	71-55-6	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
1,1,1-Trichloroethane	71-55-6	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
1,1,1-Trichloroethane	71-55-6	ug/L	7/7/2009							<1			<1	<1	<1	<1			<1	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	9/2/2009							<1			<1	<1	<1	<1			<1	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	10/25/2009	<1		<1	<1	<1	<1	<1			<1	<1	<1	<1			<1	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	1/2/2010							<10			<10	<4	<10	<4			<10	<10					
1,1,1-Trichloroethane	71-55-6	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	5/10/2010	<4		<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4					
1,1,1-Trichloroethane	71-55-6	ug/L	7/8/2010									<1					<1	<1							
1,1,1-Trichloroethane	71-55-6	ug/L	9/13/2010									<1					<1	<1							
1,1,1-Trichloroethane	71-55-6	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
1,1,1-Trichloroethane	71-55-6	ug/L	1/10/2011									<1					<1	<1							
1,1,1-Trichloroethane	71-55-6	ug/L	4/4/2011							<1		<1					<1	<1							
1,1,1-Trichloroethane	71-55-6	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
1,1,1-Trichloroethane	71-55-6	ug/L	12/5/2011				<1													<1					

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
1,1,1-Trichloroethane	71-55-6	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	6/25/2012					<1		<1															
1,1,1-Trichloroethane	71-55-6	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	7/10/2013																		<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/20/2018											<1					<1	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
1,1,1-Trichloroethane	71-55-6	ug/L	4/25/2018						<1																
1,1,1-Trichloroethane	71-55-6	ug/L	4/30/2018			<1	<1	<1										<1							
1,1,1-Trichloroethane	71-55-6	ug/L	5/1/2018								<1										<1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	5/2/2018																				<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	6/24/2020		<1																				
1,1,1-Trichloroethane	71-55-6	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	1/21/2021		<1																				
1,1,1-Trichloroethane	71-55-6	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/9/2024		<1.00								<1.00												
1,1,1-Trichloroethane	71-55-6	ug/L	10/10/2024						<1.00			<1.00													
1,1,1-Trichloroethane	71-55-6	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
1,1,1-Trichloroethane	71-55-6	ug/L	10/15/2024																				<1.00		<1.00
1,1,1-Trichloroethane	71-55-6	ug/L	4/23/2025	<1.00										<1.00					<1.00						
1,1,1-Trichloroethane	71-55-6	ug/L	4/24/2025													<1.00									
1,1,1-Trichloroethane	71-55-6	ug/L	4/30/2025		<1.00							<1.00													
1,1,1-Trichloroethane	71-55-6	ug/L	5/5/2025						<1.00																
1,1,1-Trichloroethane	71-55-6	ug/L	5/6/2025										<1.00		<1.00										
1,1,1-Trichloroethane	71-55-6	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
1,1,1-Trichloroethane	71-55-6	ug/L	5/8/2025			<1.00		<1.00																	
1,1,1-Trichloroethane	71-55-6	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	7/7/2009										<1	<1	<1	<1			<1	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	9/2/2009										<1	<1	<1	<1			<1	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/25/2009	<2		<1	<2	<2	<1	<1			<2	<2	<2	<1			<1	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	1/2/2010										<1	<1	<1	<1			<1	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/3/2010									<2	<2	<2	<2	<2	<2	<2	<2	<2					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	7/8/2010									<1					<1	<1							
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	9/13/2010									<1					<1	<1							
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	1/10/2011									<1					<1	<1							
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/4/2011									<1					<1	<4							
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	12/5/2011				<1													<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	6/25/2012					<1		<1															
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	7/10/2013																		<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/20/2018											<1					<1	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/25/2018						<1																
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/30/2018			<1	<1	<1										<1							
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/1/2018								<1										<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/2/2018																				<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	6/24/2020		<1																				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	1/21/2021		<1																				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/9/2024		<1.00								<1.00												
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/10/2024						<1.00			<1.00													
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/15/2024																				<1.00		<1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/23/2025	<1.00										<1.00					<1.00						
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/24/2025													<1.00									
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/30/2025		<1.00							<1.00													
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/5/2025						<1.00																
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/6/2025										<1.00		<1.00										
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/8/2025			<1.00		<1.00																	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
1,1,2-Trichloroethane	79-00-5	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
1,1,2-Trichloroethane	79-00-5	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
1,1,2-Trichloroethane	79-00-5	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
1,1,2-Trichloroethane	79-00-5	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
1,1,2-Trichloroethane	79-00-5	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
1,1,2-Trichloroethane	79-00-5	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
1,1,2-Trichloroethane	79-00-5	ug/L	7/7/2009										<1	<1	<1	<1			<1	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	9/2/2009										<1	<1	<1	<1			<1	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	10/25/2009	<2		<1	<2	<2	<1	<1			<2	<2	<2	<1			<1	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	1/2/2010										<1	<1	<1	<1			<1	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	7/8/2010									<1					<1	<1							
1,1,2-Trichloroethane	79-00-5	ug/L	9/13/2010									<1					<1	<1							
1,1,2-Trichloroethane	79-00-5	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
1,1,2-Trichloroethane	79-00-5	ug/L	1/10/2011									<1					<1	<1							
1,1,2-Trichloroethane	79-00-5	ug/L	4/4/2011									<1					<1	<1							
1,1,2-Trichloroethane	79-00-5	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
1,1,2-Trichloroethane	79-00-5	ug/L	12/5/2011				<1													<1					
1,1,2-Trichloroethane	79-00-5	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	6/25/2012					<1		<1															
1,1,2-Trichloroethane	79-00-5	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/11/2012	<2		<1	<1	<1	<1		<1	<2		<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	7/10/2013																		<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/20/2018											<1					<1	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
1,1,2-Trichloroethane	79-00-5	ug/L	4/25/2018						<1																
1,1,2-Trichloroethane	79-00-5	ug/L	4/30/2018			<1	<1	<1										<1							
1,1,2-Trichloroethane	79-00-5	ug/L	5/1/2018								<1										<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	5/2/2018																				<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	6/24/2020		<1																				
1,1,2-Trichloroethane	79-00-5	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	1/21/2021		<1																				
1,1,2-Trichloroethane	79-00-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/9/2024		<1.00								<1.00												

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
1,1,2-Trichloroethane	79-00-5	ug/L	10/10/2024						<1.00			<1.00													
1,1,2-Trichloroethane	79-00-5	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
1,1,2-Trichloroethane	79-00-5	ug/L	10/15/2024																				<1.00		<1.00
1,1,2-Trichloroethane	79-00-5	ug/L	4/23/2025	<1.00										<1.00					<1.00						
1,1,2-Trichloroethane	79-00-5	ug/L	4/24/2025													<1.00									
1,1,2-Trichloroethane	79-00-5	ug/L	4/30/2025		<1.00							<1.00													
1,1,2-Trichloroethane	79-00-5	ug/L	5/5/2025						<1.00																
1,1,2-Trichloroethane	79-00-5	ug/L	5/6/2025										<1.00		<1.00										
1,1,2-Trichloroethane	79-00-5	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
1,1,2-Trichloroethane	79-00-5	ug/L	5/8/2025			<1.00		<1.00																	
1,1,2-Trichloroethane	79-00-5	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
1,1-Dichloroethane	75-34-3	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
1,1-Dichloroethane	75-34-3	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
1,1-Dichloroethane	75-34-3	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
1,1-Dichloroethane	75-34-3	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
1,1-Dichloroethane	75-34-3	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
1,1-Dichloroethane	75-34-3	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
1,1-Dichloroethane	75-34-3	ug/L	7/7/2009							<1			6.37	<1	<1	<1			<1	<1					
1,1-Dichloroethane	75-34-3	ug/L	9/2/2009							<1			3.35	<1	<1	<1			<1	<1					
1,1-Dichloroethane	75-34-3	ug/L	10/25/2009	<1		<1	<1	<1	<1	<1			1.03	<1	<1	<1			<1	<1					
1,1-Dichloroethane	75-34-3	ug/L	1/2/2010							<1			1.07	<1	<1	<1			<1	<1					
1,1-Dichloroethane	75-34-3	ug/L	3/3/2010									<1	3.32	<1	<1	<1	<1	<1	<1	<1					
1,1-Dichloroethane	75-34-3	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,1-Dichloroethane	75-34-3	ug/L	7/8/2010							<1		<1					<1	<1							
1,1-Dichloroethane	75-34-3	ug/L	9/13/2010							<1		<1					<1	<1							
1,1-Dichloroethane	75-34-3	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
1,1-Dichloroethane	75-34-3	ug/L	1/10/2011							<1		<1					<1	<1							
1,1-Dichloroethane	75-34-3	ug/L	4/4/2011							<1		<1					<1	<1							
1,1-Dichloroethane	75-34-3	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
1,1-Dichloroethane	75-34-3	ug/L	12/5/2011				<1													<1					
1,1-Dichloroethane	75-34-3	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	1.1	<1	<1	<1	<1	<1	<1	<1					
1,1-Dichloroethane	75-34-3	ug/L	6/25/2012				<1			<1															
1,1-Dichloroethane	75-34-3	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	7/10/2013																		<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	2.45	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	0.876J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	0.273J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	1.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/20/2018											<1					<1	<1					
1,1-Dichloroethane	75-34-3	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
1,1-Dichloroethane	75-34-3	ug/L	4/25/2018						<1																
1,1-Dichloroethane	75-34-3	ug/L	4/30/2018			<1	<1	<1										<1							
1,1-Dichloroethane	75-34-3	ug/L	5/1/2018								<1										<1	<1			
1,1-Dichloroethane	75-34-3	ug/L	5/2/2018																				<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	3/30/2020	<1	1.19	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	6/24/2020		1																				
1,1-Dichloroethane	75-34-3	ug/L	10/7/2020	<1	0.927J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	1/21/2021		<1																				
1,1-Dichloroethane	75-34-3	ug/L	4/13/2021	<1	1.1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/20/2021		0.5J			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	5/2/2022		0.8J			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/14/2022		0.4J			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	5/1/2023	<1	0.523J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/16/2023		0.468J			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/29/2024		0.528J			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/9/2024		0.481J								0.416J												
1,1-Dichloroethane	75-34-3	ug/L	10/10/2024						<1.00			<1.00													
1,1-Dichloroethane	75-34-3	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
1,1-Dichloroethane	75-34-3	ug/L	10/15/2024																				<1.00		<1.00
1,1-Dichloroethane	75-34-3	ug/L	4/23/2025	<1.00										<1.00					<1.00						
1,1-Dichloroethane	75-34-3	ug/L	4/24/2025													<1.00									
1,1-Dichloroethane	75-34-3	ug/L	4/30/2025		<1.00							<1.00													
1,1-Dichloroethane	75-34-3	ug/L	5/5/2025						<1.00																
1,1-Dichloroethane	75-34-3	ug/L	5/6/2025										<1.00		<1.00										
1,1-Dichloroethane	75-34-3	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
1,1-Dichloroethane	75-34-3	ug/L	5/8/2025			<1.00		<1.00																	
1,1-Dichloroethane	75-34-3	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
1,1-Dichloroethene	75-35-4	ug/L	2/27/2008	<2		<2	<2	<2	<2	<2															
1,1-Dichloroethene	75-35-4	ug/L	5/12/2008	<2		<2	<2	<2	<2	<2															
1,1-Dichloroethene	75-35-4	ug/L	7/13/2008	<2		<2	<2	<2	<2	<2															
1,1-Dichloroethene	75-35-4	ug/L	9/14/2008	<2		<2	<2	<2	<2	<2															
1,1-Dichloroethene	75-35-4	ug/L	11/17/2008	<2		<2	<2	<2	<2	<2															
1,1-Dichloroethene	75-35-4	ug/L	4/14/2009	<2		<2	<2	<2	<2	<2															
1,1-Dichloroethene	75-35-4	ug/L	7/7/2009							<2			<2	<2	<2	<2			<2	<2					
1,1-Dichloroethene	75-35-4	ug/L	9/2/2009							<2			<2	<2	<2	<2			<2	<2					

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
1,1-Dichloroethene	75-35-4	ug/L	10/25/2009	<2		<2	<2	<2	<2	<2			<2	<2	<2	<2			<2	<2					
1,1-Dichloroethene	75-35-4	ug/L	1/2/2010							<2			<2	<2	<2	<2			<2	<2					
1,1-Dichloroethene	75-35-4	ug/L	3/3/2010									<2	<2	<2	<2	<2	<2	<2	<2	<2					
1,1-Dichloroethene	75-35-4	ug/L	5/10/2010	<2		<2	<2	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2					
1,1-Dichloroethene	75-35-4	ug/L	7/8/2010									<2					<2	<2							
1,1-Dichloroethene	75-35-4	ug/L	9/13/2010									<2					<2	<2							
1,1-Dichloroethene	75-35-4	ug/L	11/1/2010	<2		<2		<2	<2	<2			<2	<2	<2	<2									
1,1-Dichloroethene	75-35-4	ug/L	1/10/2011									<2					<2	<2							
1,1-Dichloroethene	75-35-4	ug/L	4/4/2011							<2		<2					<2	<2							
1,1-Dichloroethene	75-35-4	ug/L	10/13/2011	<2		<2		<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2						
1,1-Dichloroethene	75-35-4	ug/L	12/5/2011				<2													<2					
1,1-Dichloroethene	75-35-4	ug/L	4/11/2012	<2		<2	<2	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2					
1,1-Dichloroethene	75-35-4	ug/L	6/25/2012					<2		<2															
1,1-Dichloroethene	75-35-4	ug/L	8/1/2012							<2	<2										<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/11/2012	<2		<2	<2	<2	<2		<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	12/13/2012								<2										<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	2/4/2013								<2										<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	3/30/2013	<2		<2	<2	<2	<2		<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	7/10/2013																		<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/7/2013	<2		<2			<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	6/2/2014	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/15/2014	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/6/2015	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/5/2015	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/4/2016	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/17/2016	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/17/2017	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/11/2017	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/20/2018											<2					<2	<2					
1,1-Dichloroethene	75-35-4	ug/L	4/23/2018	<2								<2	<2		<2	<2	<2								
1,1-Dichloroethene	75-35-4	ug/L	4/25/2018						<2																
1,1-Dichloroethene	75-35-4	ug/L	4/30/2018			<2	<2	<2										<2							
1,1-Dichloroethene	75-35-4	ug/L	5/1/2018								<2										<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	5/2/2018																				<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/16/2018	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/16/2019	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/1/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	3/30/2020	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	6/24/2020		<2																				
1,1-Dichloroethene	75-35-4	ug/L	10/7/2020	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	1/21/2021		<1																				
1,1-Dichloroethene	75-35-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	75-35-4	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
1,1-Dichloroethene	75-35-4	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,1-Dichloroethene	75-35-4	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,1-Dichloroethene	75-35-4	ug/L	5/1/2023	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/16/2023		<2			<2	<2			<2	<2								<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/29/2024		<2			<2	<2	<2	<2	<2	<2								<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/9/2024		<2.00								<2.00												
1,1-Dichloroethene	75-35-4	ug/L	10/10/2024						<2.00			<2.00													
1,1-Dichloroethene	75-35-4	ug/L	10/14/2024																		<2.00	<2.00		<2.00	
1,1-Dichloroethene	75-35-4	ug/L	10/15/2024																				<2.00		<2.00
1,1-Dichloroethene	75-35-4	ug/L	4/23/2025	<2.00										<2.00					<2.00						
1,1-Dichloroethene	75-35-4	ug/L	4/24/2025													<2.00									
1,1-Dichloroethene	75-35-4	ug/L	4/30/2025		<2.00							<2.00													
1,1-Dichloroethene	75-35-4	ug/L	5/5/2025						<2.00																
1,1-Dichloroethene	75-35-4	ug/L	5/6/2025										<2.00		<2.00										
1,1-Dichloroethene	75-35-4	ug/L	5/7/2025				<2.00													<2.00	<2.00	<2.00	<2.00		
1,1-Dichloroethene	75-35-4	ug/L	5/8/2025			<2.00		<2.00																	
1,1-Dichloroethene	75-35-4	ug/L	5/9/2025							<2.00	<2.00													<2.00	<2.00
1,1-Dichloropropene	563-58-6	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
1,1-Dichloropropene	563-58-6	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1			<1	<1	<1	<1			<1	<1					
1,1-Dichloropropene	563-58-6	ug/L	4/4/2011									<1					<1	<1							
1,1-Dichloropropene	563-58-6	ug/L	10/11/2012								<1														
1,1-Dichloropropene	563-58-6	ug/L	7/10/2013																		<1	<1	<1	<1	<1
1,1-Dichloropropene	563-58-6	ug/L	10/5/2015	<1		<1	<1	<1	<1				<1	<1	<1	<1			<1	<1					
1,1-Dichloropropene	563-58-6	ug/L	4/4/2016									<1					<1	<1							
1,1-Dichloropropene	563-58-6	ug/L	5/1/2018																		<1	<1			
1,1-Dichloropropene	563-58-6	ug/L	5/2/2018																				<1	<1	<1
1,1-Dichloropropene	563-58-6	ug/L	3/30/2020	<1		<1	<1	<1	<1				<1	<1	<1	<1			<1	<1					
1,1-Dichloropropene	563-58-6	ug/L	6/24/2020		<1																				
1,1-Dichloropropene	563-58-6	ug/L	10/20/2021		<1							<1					<1	<1							
1,1-Dichloropropene	563-58-6	ug/L	5/1/2023																		<1	<1	<1	<1	<1
1,1-Dichloropropene	563-58-6	ug/L	4/23/2025	<1.00										<1.00					<1.00						
1,1-Dichloropropene	563-58-6	ug/L	4/24/2025													<1.00									
1,1-Dichloropropene	563-58-6	ug/L	5/5/2025						<1.00																
1,1-Dichloropropene	563-58-6	ug/L	5/6/2025										<1.00		<1.00										
1,1-Dichloropropene	563-58-6	ug/L	5/7/2025				<1.00													<1.00					
1,1-Dichloropropene	563-58-6	ug/L	5/8/2025			<1.00		<1.00																	
1,2,3-Trichloropropane	96-18-4	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
1,2,3-Trichloropropane	96-18-4	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
1,2,3-Trichloropropane	96-18-4	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
1,2,3-Trichloropropane	96-18-4	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
1,2,3-Trichloropropane	96-18-4	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
1,2,3-Trichloropropane	96-18-4	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
1,2,3-Trichloropropane	96-18-4	ug/L	7/7/2009										<1	<1	<1	<1			<1	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	9/2/2009										<1	<1	<1	<1			<1	<1					

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
1,2,3-Trichloropropane	96-18-4	ug/L	10/25/2009	<2		<1	<2	<2	<1	<1			<2	<2	<2	<1			<1	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	1/2/2010										<1	<1	<1	<1			<1	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	3/3/2010									<2	<2	<2	<2	<2	<2	<2	<2	<2					
1,2,3-Trichloropropane	96-18-4	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	7/8/2010									<1					<1	<1							
1,2,3-Trichloropropane	96-18-4	ug/L	9/13/2010									<1					<1	<1							
1,2,3-Trichloropropane	96-18-4	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
1,2,3-Trichloropropane	96-18-4	ug/L	1/10/2011									<1					<1	<1							
1,2,3-Trichloropropane	96-18-4	ug/L	4/4/2011									<1					<1	<1							
1,2,3-Trichloropropane	96-18-4	ug/L	10/13/2011	<1		<1		<4	<4	<1		<1	<1	<1	<1	<1	<1	<4	<4						
1,2,3-Trichloropropane	96-18-4	ug/L	12/5/2011				<1													<1					
1,2,3-Trichloropropane	96-18-4	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	6/25/2012					<1		<1															
1,2,3-Trichloropropane	96-18-4	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	7/10/2013																		<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/20/2018											<1					<1	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
1,2,3-Trichloropropane	96-18-4	ug/L	4/25/2018						<1																
1,2,3-Trichloropropane	96-18-4	ug/L	4/30/2018			<1	<1	<1										<1							
1,2,3-Trichloropropane	96-18-4	ug/L	5/1/2018								<1										<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	5/2/2018																				<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	6/24/2020		<1																				
1,2,3-Trichloropropane	96-18-4	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	1/21/2021		<1																				
1,2,3-Trichloropropane	96-18-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/9/2024		<1.00								<1.00												
1,2,3-Trichloropropane	96-18-4	ug/L	10/10/2024						<1.00			<1.00													
1,2,3-Trichloropropane	96-18-4	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
1,2,3-Trichloropropane	96-18-4	ug/L	10/15/2024																				<1.00		<1.00
1,2,3-Trichloropropane	96-18-4	ug/L	4/23/2025	<1.00										<1.00					<1.00						
1,2,3-Trichloropropane	96-18-4	ug/L	4/24/2025													<1.00									
1,2,3-Trichloropropane	96-18-4	ug/L	4/30/2025		<1.00							<1.00													
1,2,3-Trichloropropane	96-18-4	ug/L	5/5/2025						<1.00																
1,2,3-Trichloropropane	96-18-4	ug/L	5/6/2025										<1.00		<1.00										
1,2,3-Trichloropropane	96-18-4	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
1,2,3-Trichloropropane	96-18-4	ug/L	5/8/2025			<1.00		<1.00																	
1,2,3-Trichloropropane	96-18-4	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/4/2011									<10					<10	<10							
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	6/2/2014																					<10.1	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	10/15/2014																					<10	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/4/2016									<10					<10	<10							
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/1/2018																		<10.4	<10.3			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/2/2018																				<10.4	<10.5	<10.4
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	6/24/2020		<10.4																				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	10/20/2021		<8							<8					<8	<8							
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/23/2025	<10.4										<10.4					<10.4						
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/24/2025													<10.4									
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/5/2025						<10.2																
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/6/2025										<10.4		<10.6										
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/7/2025				<10.2													<10.6					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/8/2025			<9.80		<10.6																	
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/14/2009	<5		<5	<5	<5	<5	<5															
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/4/2011									<5					<5	<5							
1,2,4-Trichlorobenzene	120-82-1	ug/L	10/11/2012								<5														
1,2,4-Trichlorobenzene	120-82-1	ug/L	7/10/2013																		<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	120-82-1	ug/L	10/5/2015	<5		<5	<5	<5	<5				<5	<5	<5	<5			<5	<5					
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/4/2016									<5					<5	<5							

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/1/2018																		<5	<5			
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/2/2018																				<5	<5	<5
1,2,4-Trichlorobenzene	120-82-1	ug/L	3/30/2020	<5		<5	<5	<5	<5				<5	<5	<5	<5			<5	<5					
1,2,4-Trichlorobenzene	120-82-1	ug/L	6/24/2020		<5																				
1,2,4-Trichlorobenzene	120-82-1	ug/L	10/20/2021		<1							<1					<1	<1							
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/1/2023																		<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/23/2025	<5.00										<5.00					<5.00						
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/24/2025													<5.00									
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/5/2025						<5.00																
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/6/2025										<5.00		<5.00										
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/7/2025				<5.00													<5.00					
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/8/2025			<5.00		<5.00																	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	2/27/2008	<10		<10	<10	<10	<10	<10															
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/12/2008	<10		<10	<10	<10	<10	<10															
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	7/13/2008	<10		<10	<10	<10	<10	<10															
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	9/14/2008	<10		<10	<10	<10	<10	<10															
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	11/17/2008	<10		<10	<10	<10	<10	<10															
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	7/7/2009										<10	<10	<10	<10			<10	<10					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	9/2/2009										<10	<10	<10	<10			<10	<10					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/25/2009	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	1/2/2010										<10	<10	<10	<10			<10	<10					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/3/2010									<10	<10	<10	<10	<10	<10	<10	<10	<10					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	7/8/2010									<10					<10	<10							
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	9/13/2010									<10					<10	<10							
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	11/1/2010	<10		<10		<10	<10	<10			<10	<10	<10	<10									
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	1/10/2011									<10					<10	<10							
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/4/2011									<10					<10	<10							
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/13/2011	<10		<10		<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10						
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	12/5/2011				<10													<10					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/11/2012	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	6/25/2012					<10		<10															
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	8/1/2012							<10	<10										<10	<10	<10	<10	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/11/2012	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	12/13/2012								<10										<10	<10	<10	<10	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	2/4/2013								<10										<10	<10	<10	<10	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/30/2013	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	7/10/2013																		<10	<10	<10	<10	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/7/2013	<10		<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	6/2/2014	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/15/2014	<0.12		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/6/2015	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/5/2015	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/4/2016	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/17/2016	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/17/2017	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/11/2017	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/20/2018											<0.5					<0.5	<0.5					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/23/2018	<0.5								<0.5	<0.5		<0.5	<0.5	<0.5								
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/25/2018						<0.5																
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/30/2018			<0.5	<0.5	<0.5										<0.5							
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/1/2018								<0.5										<0.5	<0.5			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/2/2018																				<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/16/2018	<1.2		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/16/2019	<1.2		<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/1/2019	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/30/2020	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	6/24/2020		<1.2																				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/7/2020	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	1/21/2021		<5																				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/13/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/20/2021		<1			<0.02	<0.02			<1	<0.02				<1	<1			<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/2/2022		<0.02			<0.02	<0.02	<0.02	<0.02	<0.02	<0.02								<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/14/2022		<0.02; <5			<0.02	<0.02			<5; <0.02	<5; <0.02								<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/1/2023	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2			<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/16/2023		<1.2			<1.2	<1.2			<1.2	<1.2								<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/29/2024		<1.2			<1.2	<1.2	<1.2	<1.2	<1.2	<1.2								<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/9/2024		<1.20								<1.20												
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/10/2024						<1.20			<1.20													
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/14/2024																		<1.20	<1.20		<1.20	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/15/2024																				<1.20		<1.20
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/23/2025	<1.20										<1.20					<1.20						
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/24/2025													<1.20									
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/30/2025		<1.20							<1.20													
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/5/2025						<1.20																
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/6/2025										<1.20		<1.20										
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/7/2025				<1.20													<1.20	<1.20	<1.20	<1.20		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/8/2025			<1.20		<1.20																	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/9/2025							<1.20	<1.20													<1.20	<1.20
1,2-Dibromoethane (EDB)	106-93-4	ug/L	2/27/2008	<10		<10	<10	<10	<10	<10															
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/12/2008	<10		<10	<10	<10	<10	<10															
1,2-Dibromoethane (EDB)	106-93-4	ug/L	7/13/2008	<10		<10	<10	<10	<10	<10															
1,2-Dibromoethane (EDB)	106-93-4	ug/L	9/14/2008	<10		<10	<10	<10	<10	<10															
1,2-Dibromoethane (EDB)	106-93-4	ug/L	11/17/2008	<10		<10	<10	<10	<10	<10															
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
1,2-Dibromoethane (EDB)	106-93-4	ug/L	7/7/2009										<10	<10	<10	<10			<10	<10					

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
1,2-Dibromoethane (EDB)	106-93-4	ug/L	9/2/2009										<10	<10	<10	<10			<10	<10					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/25/2009	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	1/2/2010										<10	<10	<10	<10			<10	<10					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	3/3/2010									<10	<10	<10	<10	<10	<10	<10	<10	<10					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	7/8/2010									<10					<10	<10							
1,2-Dibromoethane (EDB)	106-93-4	ug/L	9/13/2010									<10					<10	<10							
1,2-Dibromoethane (EDB)	106-93-4	ug/L	11/1/2010	<10		<10		<10	<10	<10			<10	<10	<10	<10									
1,2-Dibromoethane (EDB)	106-93-4	ug/L	1/10/2011									<10					<10	<10							
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/4/2011									<10					<10	<10							
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/13/2011	<10		<10		<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10						
1,2-Dibromoethane (EDB)	106-93-4	ug/L	12/5/2011				<10													<10					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/11/2012	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	6/25/2012					<10		<10															
1,2-Dibromoethane (EDB)	106-93-4	ug/L	8/1/2012							<10	<10										<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/11/2012	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	12/13/2012								<10										<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	2/4/2013								<10										<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	3/30/2013	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	7/10/2013																		<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/7/2013	<10		<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	6/2/2014	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/15/2014	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/6/2015	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/5/2015	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/4/2016	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/17/2016	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/17/2017	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/11/2017	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/20/2018											<0.13					<0.13	<0.13					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/23/2018	<0.13								<0.13	<0.13		<0.13	<0.13	<0.13								
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/25/2018						<0.13																
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/30/2018			<0.13	<0.13	<0.13										<0.13							
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/1/2018								<0.13										<0.13	<0.13			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/2/2018																				<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/16/2018	<0.34		<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/16/2019	<0.34		<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/1/2019	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	3/30/2020	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	6/24/2020		<0.34																				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/7/2020	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	1/21/2021		<0.02																				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/13/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/20/2021		<1			<0.02	<0.02			<1	<0.02				<1	<1			<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/2/2022		<0.02			<0.02	<0.02	<0.02	<0.02	<0.02	<0.02								<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/14/2022		<0.02			<0.02	<0.02			<0.02	<0.02								<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/1/2023	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34			<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/16/2023		<0.34			<0.34	<0.34			<0.34	<0.34								<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/29/2024		<0.34			<0.34	<0.34	<0.34	<0.34	<0.34	<0.34								<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/9/2024		<0.340								<0.340												
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/10/2024						<0.340			<0.340													
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/14/2024																		<0.340	<0.340		<0.340	
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/15/2024																				<0.340		<0.340
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/23/2025	<0.340										<0.340					<0.340						
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/24/2025													<0.340									
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/30/2025		<0.340							<0.340													
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/5/2025						<0.340																
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/6/2025										<0.340		<0.340										
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/7/2025				<0.340													<0.340	<0.340	<0.340	<0.340		
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/8/2025			<0.340		<0.340																	
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/9/2025							<0.340	<0.340													<0.340	<0.340
1,2-Dichlorobenzene	95-50-1	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichlorobenzene	95-50-1	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichlorobenzene	95-50-1	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichlorobenzene	95-50-1	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichlorobenzene	95-50-1	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichlorobenzene	95-50-1	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
1,2-Dichlorobenzene	95-50-1	ug/L	7/7/2009										<1	<1	<1	<1			<1	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	9/2/2009										<1	<1	<1	<1			<1	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	10/25/2009	<2		<1	<2	<2	<1	<1			<2	<2	<2	<1			<1	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	1/2/2010										<1	<1	<1	<1			<1	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	7/8/2010									<1					<1	<1							
1,2-Dichlorobenzene	95-50-1	ug/L	9/13/2010									<1					<1	<1							
1,2-Dichlorobenzene	95-50-1	ug/L	11/1/2010	<1		<1		<1	<1	<2			<1	<1	<1	<1									
1,2-Dichlorobenzene	95-50-1	ug/L	1/10/2011									<4					<4	<4							
1,2-Dichlorobenzene	95-50-1	ug/L	4/4/2011									<1					<1	<1							
1,2-Dichlorobenzene	95-50-1	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
1,2-Dichlorobenzene	95-50-1	ug/L	12/5/2011				<1													<1					
1,2-Dichlorobenzene	95-50-1	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	6/25/2012					<1		<1															
1,2-Dichlorobenzene	95-50-1	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
1,2-Dichlorobenzene	95-50-1	ug/L	7/10/2013																		<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/20/2018											<1					<1	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
1,2-Dichlorobenzene	95-50-1	ug/L	4/25/2018						<1																
1,2-Dichlorobenzene	95-50-1	ug/L	4/30/2018			<1	<1	<1										<1							
1,2-Dichlorobenzene	95-50-1	ug/L	5/1/2018								<1										<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	5/2/2018																				<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	6/24/2020		<1																				
1,2-Dichlorobenzene	95-50-1	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	1/21/2021		<1																				
1,2-Dichlorobenzene	95-50-1	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/9/2024		<1.00								<1.00												
1,2-Dichlorobenzene	95-50-1	ug/L	10/10/2024						<1.00			<1.00													
1,2-Dichlorobenzene	95-50-1	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
1,2-Dichlorobenzene	95-50-1	ug/L	10/15/2024																				<1.00		<1.00
1,2-Dichlorobenzene	95-50-1	ug/L	4/23/2025	<1.00										<1.00					<1.00						
1,2-Dichlorobenzene	95-50-1	ug/L	4/24/2025													<1.00									
1,2-Dichlorobenzene	95-50-1	ug/L	4/30/2025		<1.00							<1.00													
1,2-Dichlorobenzene	95-50-1	ug/L	5/5/2025						<1.00																
1,2-Dichlorobenzene	95-50-1	ug/L	5/6/2025										<1.00		<1.00										
1,2-Dichlorobenzene	95-50-1	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
1,2-Dichlorobenzene	95-50-1	ug/L	5/8/2025			<1.00		<1.00																	
1,2-Dichlorobenzene	95-50-1	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
1,2-Dichloroethane	107-06-2	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichloroethane	107-06-2	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichloroethane	107-06-2	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichloroethane	107-06-2	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichloroethane	107-06-2	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichloroethane	107-06-2	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
1,2-Dichloroethane	107-06-2	ug/L	7/7/2009							<1			<1	<1	<1	<1			<1	<1					
1,2-Dichloroethane	107-06-2	ug/L	9/2/2009							<1			<1	<1	<1	<1			<1	<1					
1,2-Dichloroethane	107-06-2	ug/L	10/25/2009	<2		<1	<2	<2	<1	<1			<2	<2	<2	<1			<1	<1					
1,2-Dichloroethane	107-06-2	ug/L	1/2/2010							<1			<1	<1	<1	<1			<1	<1					
1,2-Dichloroethane	107-06-2	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-Dichloroethane	107-06-2	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-Dichloroethane	107-06-2	ug/L	7/8/2010									<1					<1	<1							
1,2-Dichloroethane	107-06-2	ug/L	9/13/2010									<1					<1	<1							
1,2-Dichloroethane	107-06-2	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
1,2-Dichloroethane	107-06-2	ug/L	1/10/2011									<1					<1	<1							
1,2-Dichloroethane	107-06-2	ug/L	4/4/2011							<1		<1					<1	<1							
1,2-Dichloroethane	107-06-2	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
1,2-Dichloroethane	107-06-2	ug/L	12/5/2011				<1													<1					
1,2-Dichloroethane	107-06-2	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-Dichloroethane	107-06-2	ug/L	6/25/2012				<1			<1															
1,2-Dichloroethane	107-06-2	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	7/10/2013																		<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.339J	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.469J	0.43J	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/17/2017	0.188J		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.374J	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/20/2018											<1					<1	<1					
1,2-Dichloroethane	107-06-2	ug/L	4/23/2018	<1								<1	<1		0.204J	<1	<1								
1,2-Dichloroethane	107-06-2	ug/L	4/25/2018						<1																
1,2-Dichloroethane	107-06-2	ug/L	4/30/2018			<1	<1	<1										<1							
1,2-Dichloroethane	107-06-2	ug/L	5/1/2018								<1										<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	5/2/2018																				<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
1,2-Dichloroethane	107-06-2	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	6/24/2020		<1																				
1,2-Dichloroethane	107-06-2	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	1/21/2021		<1																				
1,2-Dichloroethane	107-06-2	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/9/2024		<1.00								<1.00												
1,2-Dichloroethane	107-06-2	ug/L	10/10/2024						<1.00			<1.00													
1,2-Dichloroethane	107-06-2	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
1,2-Dichloroethane	107-06-2	ug/L	10/15/2024																				<1.00		<1.00
1,2-Dichloroethane	107-06-2	ug/L	4/23/2025	<1.00										<1.00					<1.00						
1,2-Dichloroethane	107-06-2	ug/L	4/24/2025													<1.00									
1,2-Dichloroethane	107-06-2	ug/L	4/30/2025		<1.00							<1.00													
1,2-Dichloroethane	107-06-2	ug/L	5/5/2025						<1.00																
1,2-Dichloroethane	107-06-2	ug/L	5/6/2025										<1.00		<1.00										
1,2-Dichloroethane	107-06-2	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
1,2-Dichloroethane	107-06-2	ug/L	5/8/2025			<1.00		<1.00																	
1,2-Dichloroethane	107-06-2	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
1,2-Dichloropropane	78-87-5	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichloropropane	78-87-5	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichloropropane	78-87-5	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichloropropane	78-87-5	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichloropropane	78-87-5	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
1,2-Dichloropropane	78-87-5	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
1,2-Dichloropropane	78-87-5	ug/L	7/7/2009							<1			<1	<1	<1	1.91			<1	<1					
1,2-Dichloropropane	78-87-5	ug/L	9/2/2009							<1			<1	<1	<1	<1			<1	<1					
1,2-Dichloropropane	78-87-5	ug/L	10/25/2009	<2		<1	<1	<1	<1	<1			<1	<1	<1	<1			<1	<1					
1,2-Dichloropropane	78-87-5	ug/L	1/2/2010							<1			<1	<1	<1	<1			<1	<1					
1,2-Dichloropropane	78-87-5	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-Dichloropropane	78-87-5	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-Dichloropropane	78-87-5	ug/L	7/8/2010									<1					<1	<1							
1,2-Dichloropropane	78-87-5	ug/L	9/13/2010									<1					<1	<1							
1,2-Dichloropropane	78-87-5	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
1,2-Dichloropropane	78-87-5	ug/L	1/10/2011									<1					<1	<1							
1,2-Dichloropropane	78-87-5	ug/L	4/4/2011							<1		<1					<1	<1							
1,2-Dichloropropane	78-87-5	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	1.54	<1	<1	<1						
1,2-Dichloropropane	78-87-5	ug/L	12/5/2011				<1													<1					
1,2-Dichloropropane	78-87-5	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,2-Dichloropropane	78-87-5	ug/L	6/25/2012					<1		<1															
1,2-Dichloropropane	78-87-5	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	7/10/2013																		<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/20/2018											<1					<1	<1					
1,2-Dichloropropane	78-87-5	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
1,2-Dichloropropane	78-87-5	ug/L	4/25/2018						<1																
1,2-Dichloropropane	78-87-5	ug/L	4/30/2018			<1	<1	<1										<1							
1,2-Dichloropropane	78-87-5	ug/L	5/1/2018								<1										<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	5/2/2018																				<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	6/24/2020		<1																				
1,2-Dichloropropane	78-87-5	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	1/21/2021		<1																				
1,2-Dichloropropane	78-87-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/9/2024		<1.00								<1.00												
1,2-Dichloropropane	78-87-5	ug/L	10/10/2024						<1.00			<1.00													
1,2-Dichloropropane	78-87-5	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
1,2-Dichloropropane	78-87-5	ug/L	10/15/2024																				<1.00		<1.00
1,2-Dichloropropane	78-87-5	ug/L	4/23/2025	<1.00										<1.00					<1.00						
1,2-Dichloropropane	78-87-5	ug/L	4/24/2025													<1.00									
1,2-Dichloropropane	78-87-5	ug/L	4/30/2025		<1.00							<1.00													
1,2-Dichloropropane	78-87-5	ug/L	5/5/2025						<1.00																

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
1,2-Dichloropropane	78-87-5	ug/L	5/6/2025										<1.00		<1.00										
1,2-Dichloropropane	78-87-5	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
1,2-Dichloropropane	78-87-5	ug/L	5/8/2025			<1.00		<1.00																	
1,2-Dichloropropane	78-87-5	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/4/2011									<10					<10	<10							
1,3,5-Trinitrobenzene	99-35-4	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
1,3,5-Trinitrobenzene	99-35-4	ug/L	6/2/2014																					<10.1	
1,3,5-Trinitrobenzene	99-35-4	ug/L	10/15/2014																					<10	
1,3,5-Trinitrobenzene	99-35-4	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/4/2016									<10					<10	<10							
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/1/2018																		<10.4	<10.3			
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/2/2018																				<10.4	<10.5	<10.4
1,3,5-Trinitrobenzene	99-35-4	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
1,3,5-Trinitrobenzene	99-35-4	ug/L	6/24/2020		<10.4																				
1,3,5-Trinitrobenzene	99-35-4	ug/L	10/20/2021		<8							<8					<8	<8							
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/23/2025	<10.4										<10.4					<10.4						
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/24/2025													<10.4									
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/5/2025						<10.2																
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/6/2025										<10.4		<10.6										
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/7/2025				<10.2													<10.6					
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/8/2025			<9.80		<10.6																	
1,3-Dichlorobenzene	541-73-1	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
1,3-Dichlorobenzene	541-73-1	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1			<1	<1	<1	<1			<1	<1					
1,3-Dichlorobenzene	541-73-1	ug/L	4/4/2011									<1					<1	<4							
1,3-Dichlorobenzene	541-73-1	ug/L	10/11/2012								<1														
1,3-Dichlorobenzene	541-73-1	ug/L	7/10/2013																		<1	<1	<1	<1	<1
1,3-Dichlorobenzene	541-73-1	ug/L	10/5/2015	<1		<1	<1	<1	<1				<1	<1	<1	<1			<1	<1					
1,3-Dichlorobenzene	541-73-1	ug/L	4/4/2016									<1					<1	<1							
1,3-Dichlorobenzene	541-73-1	ug/L	5/1/2018																		<1	<1			
1,3-Dichlorobenzene	541-73-1	ug/L	5/2/2018																				<1	<1	<1
1,3-Dichlorobenzene	541-73-1	ug/L	3/30/2020	<1		<1	<1	<1	<1				<1	<1	<1	<1			<1	<1					
1,3-Dichlorobenzene	541-73-1	ug/L	6/24/2020		<1																				
1,3-Dichlorobenzene	541-73-1	ug/L	10/20/2021		<1							<1					<1	<1							
1,3-Dichlorobenzene	541-73-1	ug/L	5/1/2023																		<1	<1	<1	<1	<1
1,3-Dichlorobenzene	541-73-1	ug/L	4/23/2025	<1.00										<1.00					<1.00						
1,3-Dichlorobenzene	541-73-1	ug/L	4/24/2025													<1.00									
1,3-Dichlorobenzene	541-73-1	ug/L	5/5/2025						<1.00																
1,3-Dichlorobenzene	541-73-1	ug/L	5/6/2025										<1.00		<1.00										
1,3-Dichlorobenzene	541-73-1	ug/L	5/7/2025				<1.00													<1.00					
1,3-Dichlorobenzene	541-73-1	ug/L	5/8/2025			<1.00		<1.00																	
1,3-Dichloropropane	142-28-9	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
1,3-Dichloropropane	142-28-9	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1			<1	<1	<1	<1			<1	<1					
1,3-Dichloropropane	142-28-9	ug/L	4/4/2011									<1					<1	<1							
1,3-Dichloropropane	142-28-9	ug/L	10/11/2012								<1														
1,3-Dichloropropane	142-28-9	ug/L	7/10/2013																		<1	<1	<1	<1	<1
1,3-Dichloropropane	142-28-9	ug/L	10/5/2015	<1		<1	<1	<1	<1				<1	<1	<1	<1			<1	<1					
1,3-Dichloropropane	142-28-9	ug/L	4/4/2016									<1					<1	<1							
1,3-Dichloropropane	142-28-9	ug/L	5/1/2018																		<1	<1			
1,3-Dichloropropane	142-28-9	ug/L	5/2/2018																				<1	<1	<1
1,3-Dichloropropane	142-28-9	ug/L	3/30/2020	<1		<1	<1	<1	<1				<1	<1	<1	<1			<1	<1					
1,3-Dichloropropane	142-28-9	ug/L	6/24/2020		<1																				
1,3-Dichloropropane	142-28-9	ug/L	10/20/2021		<1							<1					<1	<1							
1,3-Dichloropropane	142-28-9	ug/L	5/1/2023																		<1	<1	<1	<1	<1
1,3-Dichloropropane	142-28-9	ug/L	4/23/2025	<1.00										<1.00					<1.00						
1,3-Dichloropropane	142-28-9	ug/L	4/24/2025													<1.00									
1,3-Dichloropropane	142-28-9	ug/L	5/5/2025						<1.00																
1,3-Dichloropropane	142-28-9	ug/L	5/6/2025										<1.00		<1.00										
1,3-Dichloropropane	142-28-9	ug/L	5/7/2025				<1.00													<1.00					
1,3-Dichloropropane	142-28-9	ug/L	5/8/2025			<1.00		<1.00																	
1,3-Dinitrobenzene	99-65-0	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
1,3-Dinitrobenzene	99-65-0	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
1,3-Dinitrobenzene	99-65-0	ug/L	4/4/2011									<10					<10	<10							
1,3-Dinitrobenzene	99-65-0	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
1,3-Dinitrobenzene	99-65-0	ug/L	6/2/2014																					<10.1	
1,3-Dinitrobenzene	99-65-0	ug/L	10/15/2014																					<10	
1,3-Dinitrobenzene	99-65-0	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
1,3-Dinitrobenzene	99-65-0	ug/L	4/4/2016									<10					<10	<10							
1,3-Dinitrobenzene	99-65-0	ug/L	5/1/2018																		<10.4	<10.3			
1,3-Dinitrobenzene	99-65-0	ug/L	5/2/2018																				<10.4	<10.5	<10.4
1,3-Dinitrobenzene	99-65-0	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
1,3-Dinitrobenzene	99-65-0	ug/L	6/24/2020		<10.4																				
1,3-Dinitrobenzene	99-65-0	ug/L	10/20/2021		<8							<8					<8	<8							
1,3-Dinitrobenzene	99-65-0	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
1,3-Dinitrobenzene	99-65-0	ug/L	4/23/2025	<10.4										<10.4					<10.4						
1,3-Dinitrobenzene	99-65-0	ug/L	4/24/2025													<10.4									
1,3-Dinitrobenzene	99-65-0	ug/L	5/5/2025						<10.2																
1,3-Dinitrobenzene	99-65-0	ug/L	5/6/2025										<10.4		<10.6										
1,3-Dinitrobenzene	99-65-0	ug/L	5/7/2025				<10.2													<10.6					
1,3-Dinitrobenzene	99-65-0	ug/L	5/8/2025			<9.80		<10.6																	
1,4-Dichlorobenzene	106-46-7	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
1,4-Dichlorobenzene	106-46-7	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
1,4-Dichlorobenzene	106-46-7	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
1,4-Dichlorobenzene	106-46-7	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
1,4-Dichlorobenzene	106-46-7	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
1,4-Dichlorobenzene	106-46-7	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
1,4-Dichlorobenzene	106-46-7	ug/L	7/7/2009										<1	<1	<1	1.34			<1	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	9/2/2009										<1	<1	<1	<1			<1	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	10/25/2009	<2		<1	<2	<2	<1	<1			<2	<2	<2	<1			<1	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	1/2/2010										<1	<1	<1	<1			<1	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	7/8/2010									<1					<1	<1							
1,4-Dichlorobenzene	106-46-7	ug/L	9/13/2010									<1					<1	<1							
1,4-Dichlorobenzene	106-46-7	ug/L	11/1/2010	<2		<1		<2	<2	<1			<2	<2	<2	<2									
1,4-Dichlorobenzene	106-46-7	ug/L	1/10/2011									<4					<4	<4							
1,4-Dichlorobenzene	106-46-7	ug/L	4/4/2011									<1					<1	<4							
1,4-Dichlorobenzene	106-46-7	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	1.44	<1	<1	<1						
1,4-Dichlorobenzene	106-46-7	ug/L	12/5/2011				<1													<1					
1,4-Dichlorobenzene	106-46-7	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	6/25/2012					<1		<1															
1,4-Dichlorobenzene	106-46-7	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	1.47	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	7/10/2013																		<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.465J	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.361J	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.368J	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/20/2018											<1					<1	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	4/23/2018	<1								<1	<1		<1	0.208J	<1								
1,4-Dichlorobenzene	106-46-7	ug/L	4/25/2018						<1																
1,4-Dichlorobenzene	106-46-7	ug/L	4/30/2018			<1	<1	<1										<1							
1,4-Dichlorobenzene	106-46-7	ug/L	5/1/2018								<1										<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	5/2/2018																				<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	6/24/2020		<1																				
1,4-Dichlorobenzene	106-46-7	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.23J	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	1/21/2021		<1																				
1,4-Dichlorobenzene	106-46-7	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/9/2024		<1.00								<1.00												
1,4-Dichlorobenzene	106-46-7	ug/L	10/10/2024						<1.00			<1.00													
1,4-Dichlorobenzene	106-46-7	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
1,4-Dichlorobenzene	106-46-7	ug/L	10/15/2024																				<1.00		<1.00
1,4-Dichlorobenzene	106-46-7	ug/L	4/23/2025	<1.00										<1.00					<1.00						
1,4-Dichlorobenzene	106-46-7	ug/L	4/24/2025													<1.00									
1,4-Dichlorobenzene	106-46-7	ug/L	4/30/2025		<1.00							<1.00													
1,4-Dichlorobenzene	106-46-7	ug/L	5/5/2025						<1.00																
1,4-Dichlorobenzene	106-46-7	ug/L	5/6/2025										<1.00		<1.00										
1,4-Dichlorobenzene	106-46-7	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
1,4-Dichlorobenzene	106-46-7	ug/L	5/8/2025			<1.00		<1.00																	
1,4-Dichlorobenzene	106-46-7	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
1,4-Naphthoquinone	130-15-4	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
1,4-Naphthoquinone	130-15-4	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
1,4-Naphthoquinone	130-15-4	ug/L	4/4/2011									<10					<10	<10							
1,4-Naphthoquinone	130-15-4	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
1,4-Naphthoquinone	130-15-4	ug/L	6/2/2014																					<10.1	
1,4-Naphthoquinone	130-15-4	ug/L	10/15/2014																					<10	
1,4-Naphthoquinone	130-15-4	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
1,4-Naphthoquinone	130-15-4	ug/L	4/4/2016									<10					<10	<10							
1,4-Naphthoquinone	130-15-4	ug/L	5/1/2018																		<10.4	<10.3			
1,4-Naphthoquinone	130-15-4	ug/L	5/2/2018																				<10.4	<10.5	<10.4
1,4-Naphthoquinone	130-15-4	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
1,4-Naphthoquinone	130-15-4	ug/L	6/24/2020		<10.4																				
1,4-Naphthoquinone	130-15-4	ug/L	10/20/2021		<8							<8					<8	<8							
1,4-Naphthoquinone	130-15-4	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
1,4-Naphthoquinone	130-15-4	ug/L	4/23/2025	<10.4										<10.4					<10.4						
1,4-Naphthoquinone	130-15-4	ug/L	4/24/2025													<10.4									
1,4-Naphthoquinone	130-15-4	ug/L	5/5/2025						<10.2																
1,4-Naphthoquinone	130-15-4	ug/L	5/6/2025										<10.4		<10.6										
1,4-Naphthoquinone	130-15-4	ug/L	5/7/2025				<10.2													<10.6					
1,4-Naphthoquinone	130-15-4	ug/L	5/8/2025			<9.80		<10.6																	
1,4-Phenylenediamine	106-50-3	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
1,4-Phenylenediamine	106-50-3	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
1,4-Phenylenediamine	106-50-3	ug/L	4/4/2011									<10					<10	<10							
1,4-Phenylenediamine	106-50-3	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
1,4-Phenylenediamine	106-50-3	ug/L	6/2/2014																					<10.1	
1,4-Phenylenediamine	106-50-3	ug/L	10/15/2014																					<10	
1,4-Phenylenediamine	106-50-3	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
1,4-Phenylenediamine	106-50-3	ug/L	4/4/2016									<10					<10	<10							
1,4-Phenylenediamine	106-50-3	ug/L	5/1/2018																		<10.4	<10.3			
1,4-Phenylenediamine	106-50-3	ug/L	5/2/2018																				<10.4	<10.5	<10.4
1,4-Phenylenediamine	106-50-3	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
1,4-Phenylenediamine	106-50-3	ug/L	6/24/2020		<10.4																				
1,4-Phenylenediamine	106-50-3	ug/L	10/20/2021		<8							<8					<8	<8							
1,4-Phenylenediamine	106-50-3	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
1,4-phenylenediamine	106-50-3	ug/L	4/23/2025	<10.4										<10.4					<10.4						
1,4-phenylenediamine	106-50-3	ug/L	4/24/2025													<10.4									
1,4-phenylenediamine	106-50-3	ug/L	5/5/2025						<10.2																
1,4-phenylenediamine	106-50-3	ug/L	5/6/2025										<10.4		<10.6										
1,4-phenylenediamine	106-50-3	ug/L	5/7/2025				<10.2													<10.6					
1,4-phenylenediamine	106-50-3	ug/L	5/8/2025			<9.80		<10.6																	
1-Naphthylamine	134-32-7	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
1-Naphthylamine	134-32-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
1-Naphthylamine	134-32-7	ug/L	4/4/2011									<10					<10	<10							
1-Naphthylamine	134-32-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
1-Naphthylamine	134-32-7	ug/L	6/2/2014																					<10.1	
1-Naphthylamine	134-32-7	ug/L	10/15/2014																					<10	
1-Naphthylamine	134-32-7	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
1-Naphthylamine	134-32-7	ug/L	4/4/2016									<10					<10	<10							
1-Naphthylamine	134-32-7	ug/L	5/1/2018																		<10.4	<10.3			
1-Naphthylamine	134-32-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
1-Naphthylamine	134-32-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
1-Naphthylamine	134-32-7	ug/L	6/24/2020		<10.4																				
1-Naphthylamine	134-32-7	ug/L	10/20/2021		<8							<8					<8	<8							
1-Naphthylamine	134-32-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
1-Naphthylamine	134-32-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
1-Naphthylamine	134-32-7	ug/L	4/24/2025													<10.4									
1-Naphthylamine	134-32-7	ug/L	5/5/2025						<10.2																
1-Naphthylamine	134-32-7	ug/L	5/6/2025										<10.4		<10.6										
1-Naphthylamine	134-32-7	ug/L	5/7/2025				<10.2													<10.6					
1-Naphthylamine	134-32-7	ug/L	5/8/2025			<9.80		<10.6																	
2,2-Dichloropropane	594-20-7	ug/L	4/14/2009	<4		<4	<4	<4	<4	<4															
2,2-Dichloropropane	594-20-7	ug/L	5/10/2010	<4		<4	<4	<4	<4	<4			<4	<4	<4	<4			<4	<4					
2,2-Dichloropropane	594-20-7	ug/L	4/4/2011									<4					<4	<4							
2,2-Dichloropropane	594-20-7	ug/L	10/11/2012								<4														
2,2-Dichloropropane	594-20-7	ug/L	7/10/2013																		<4	<4	<4	<4	<4
2,2-Dichloropropane	594-20-7	ug/L	10/5/2015	<4		<4	<4	<4	<4	<4			<4	<4	<4	<4			<4	<4					
2,2-Dichloropropane	594-20-7	ug/L	4/4/2016									<4					<4	<4							
2,2-Dichloropropane	594-20-7	ug/L	5/1/2018																		<4	<4			
2,2-Dichloropropane	594-20-7	ug/L	5/2/2018																				<4	<4	<4
2,2-Dichloropropane	594-20-7	ug/L	3/30/2020	<4		<4	<4	<4	<4				<4	<4	<4	<4			<4	<4					
2,2-Dichloropropane	594-20-7	ug/L	6/24/2020		<4																				
2,2-Dichloropropane	594-20-7	ug/L	10/20/2021		<1							<1					<1	<1							
2,2-Dichloropropane	594-20-7	ug/L	5/1/2023																		<4	<4	<4	<4	<4
2,2-Dichloropropane	594-20-7	ug/L	4/23/2025	<4.00										<4.00					<4.00						
2,2-Dichloropropane	594-20-7	ug/L	4/24/2025													<4.00									
2,2-Dichloropropane	594-20-7	ug/L	5/5/2025						<4.00																
2,2-Dichloropropane	594-20-7	ug/L	5/6/2025										<4.00		<4.00										
2,2-Dichloropropane	594-20-7	ug/L	5/7/2025				<4.00													<4.00					
2,2-Dichloropropane	594-20-7	ug/L	5/8/2025			<4.00		<4.00																	
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/4/2011									<10					<10	<10							
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	6/2/2014																					<10.1	
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	10/15/2014																					<10	
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/4/2016									<10					<10	<10							
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/1/2018																		<10.4	<10.3			
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	6/24/2020		<10.4																				
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	10/20/2021		<8							<8					<8	<8							
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/24/2025													<10.4									
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/5/2025						<10.2																
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/6/2025										<10.4		<10.6										
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/7/2025				<10.2													<10.6					
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/8/2025			<9.80		<10.6																	
2,4,5-T	93-76-5	ug/L	4/23/2025	<0.161										<0.166					<0.168						
2,4,5-T	93-76-5	ug/L	4/24/2025													<0.161									
2,4,5-T	93-76-5	ug/L	5/5/2025						<0.155																
2,4,5-T	93-76-5	ug/L	5/6/2025										<0.167		<0.162										
2,4,5-T	93-76-5	ug/L	5/7/2025				<0.171													<0.158					
2,4,5-T	93-76-5	ug/L	5/8/2025			<0.160		<0.164																	
2,4,5-T [2C]	93-76-5	ug/L	4/14/2009	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2															
2,4,5-T [2C]	93-76-5	ug/L	5/10/2010	<0.5		<0.5	<0.5	<0.5	<0.54	<0.5			<0.5	<0.5	<0.5	<0.5			<0.5	<0.5					
2,4,5-T [2C]	93-76-5	ug/L	4/4/2011									<0.5					<0.5	<0.54							
2,4,5-T [2C]	93-76-5	ug/L	10/11/2012								<1														
2,4,5-T [2C]	93-76-5	ug/L	7/10/2013																		<1.06	<1.02	<1.02	<1.14	<1.09
2,4,5-T [2C]	93-76-5	ug/L	10/5/2015	<1.02		<1.32	<1.1	<1.05	<1.02				<1.06	<1.02	<1.01	<1.02			<1	<1.02					

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
2,4,5-T [2C]	93-76-5	ug/L	4/4/2016									<1.04					<1.03	<1.01							
2,4,5-T [2C]	93-76-5	ug/L	5/1/2018																		<1.04	<1.03			
2,4,5-T [2C]	93-76-5	ug/L	5/2/2018																				<1.05	<1.11	<1.06
2,4,5-T [2C]	93-76-5	ug/L	3/30/2020	<1.04		<1.05	<1.04	<1.07	<1.04				<1.05	<1.05	<1.07	<1.04			<1.04	<1.04					
2,4,5-T [2C]	93-76-5	ug/L	6/24/2020		<1.05																				
2,4,5-T [2C]	93-76-5	ug/L	10/20/2021		<0.5							<0.5					0.1J	0.08J							
2,4,5-T [2C]	93-76-5	ug/L	5/1/2023																		<1.13	<1.13	<1.08	<1.09	<1.12
2,4,5-TP [Silvex]	93-72-1	ug/L	4/14/2009	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2															
2,4,5-TP [Silvex]	93-72-1	ug/L	9/2/2009							<0.2															
2,4,5-TP [Silvex]	93-72-1	ug/L	10/25/2009							<0.2															
2,4,5-TP [Silvex]	93-72-1	ug/L	1/2/2010							<0.2															
2,4,5-TP [Silvex]	93-72-1	ug/L	5/10/2010	<0.5		<0.5	<0.5	<0.5	<0.54	<0.5			<0.5	<0.5	<0.5	<0.5			<0.5	<0.5					
2,4,5-TP [Silvex]	93-72-1	ug/L	11/1/2010							<0.5															
2,4,5-TP [Silvex]	93-72-1	ug/L	4/4/2011							<0.48		<0.5					<0.5	<0.54							
2,4,5-TP [Silvex]	93-72-1	ug/L	10/13/2011							<1															
2,4,5-TP [Silvex]	93-72-1	ug/L	4/11/2012							<1															
2,4,5-TP [Silvex]	93-72-1	ug/L	10/11/2012								<1														
2,4,5-TP [Silvex]	93-72-1	ug/L	3/30/2013								<1														
2,4,5-TP [Silvex]	93-72-1	ug/L	7/10/2013																		<1.06	<1.02	<1.02	<1.14	<1.09
2,4,5-TP [Silvex]	93-72-1	ug/L	10/7/2013							<1.08	<1.04														
2,4,5-TP [Silvex]	93-72-1	ug/L	10/5/2015	<1.02		<1.32	<1.1	<1.05	<1.02				<1.06	<1.02	<1.01	<1.02			<1	<1.02					
2,4,5-TP [Silvex]	93-72-1	ug/L	4/4/2016									<1.04					<1.03	<1.01							
2,4,5-TP [Silvex]	93-72-1	ug/L	5/1/2018																		<1.04	<1.03			
2,4,5-TP [Silvex]	93-72-1	ug/L	5/2/2018																				<1.05	<1.11	<1.06
2,4,5-TP [Silvex]	93-72-1	ug/L	3/30/2020	<1.04		<1.05	<1.04	<1.07	<1.04				<1.05	<1.05	<1.07	<1.04			<1.04	<1.04					
2,4,5-TP [Silvex]	93-72-1	ug/L	6/24/2020		<1.05																				
2,4,5-TP [Silvex]	93-72-1	ug/L	10/20/2021		<0.5							<0.5					<0.5	<0.5							
2,4,5-TP [Silvex]	93-72-1	ug/L	5/1/2023																		<1.13	<1.13	<1.08	<1.09	<1.12
2,4,5-Trichlorophenol	95-95-4	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2,4,5-Trichlorophenol	95-95-4	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2,4,5-Trichlorophenol	95-95-4	ug/L	4/4/2011									<10					<10	<10							
2,4,5-Trichlorophenol	95-95-4	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
2,4,5-Trichlorophenol	95-95-4	ug/L	6/2/2014																					<10.1	
2,4,5-Trichlorophenol	95-95-4	ug/L	10/15/2014																					<10	
2,4,5-Trichlorophenol	95-95-4	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2,4,5-Trichlorophenol	95-95-4	ug/L	4/4/2016									<10					<10	<10							
2,4,5-Trichlorophenol	95-95-4	ug/L	5/1/2018																		1.04J	<10.3			
2,4,5-Trichlorophenol	95-95-4	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2,4,5-Trichlorophenol	95-95-4	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2,4,5-Trichlorophenol	95-95-4	ug/L	6/24/2020		<10.4																				
2,4,5-Trichlorophenol	95-95-4	ug/L	10/20/2021		<8							<8					<8	<8							
2,4,5-Trichlorophenol	95-95-4	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2,4,5-Trichlorophenol	95-95-4	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2,4,5-Trichlorophenol	95-95-4	ug/L	4/24/2025													<10.4									
2,4,5-Trichlorophenol	95-95-4	ug/L	5/5/2025						<10.2																
2,4,5-Trichlorophenol	95-95-4	ug/L	5/6/2025										<10.4		<10.6										
2,4,5-Trichlorophenol	95-95-4	ug/L	5/7/2025				<10.2													<10.6					
2,4,5-Trichlorophenol	95-95-4	ug/L	5/8/2025			<9.80		<10.6																	
2,4,6-Trichlorophenol	88-06-2	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2,4,6-Trichlorophenol	88-06-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2,4,6-Trichlorophenol	88-06-2	ug/L	4/4/2011									<10					<10	<10							
2,4,6-Trichlorophenol	88-06-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
2,4,6-Trichlorophenol	88-06-2	ug/L	6/2/2014																					<10.1	
2,4,6-Trichlorophenol	88-06-2	ug/L	10/15/2014																					<10	
2,4,6-Trichlorophenol	88-06-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2,4,6-Trichlorophenol	88-06-2	ug/L	4/4/2016									<10					<10	<10							
2,4,6-Trichlorophenol	88-06-2	ug/L	5/1/2018																		1.01J	<10.3			
2,4,6-Trichlorophenol	88-06-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2,4,6-Trichlorophenol	88-06-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2,4,6-Trichlorophenol	88-06-2	ug/L	6/24/2020		<10.4																				
2,4,6-Trichlorophenol	88-06-2	ug/L	10/20/2021		<8							<8					<8	<8							
2,4,6-Trichlorophenol	88-06-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2,4,6-Trichlorophenol	88-06-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2,4,6-Trichlorophenol	88-06-2	ug/L	4/24/2025													<10.4									
2,4,6-Trichlorophenol	88-06-2	ug/L	5/5/2025						<10.2																
2,4,6-Trichlorophenol	88-06-2	ug/L	5/6/2025										<10.4		<10.6										
2,4,6-Trichlorophenol	88-06-2	ug/L	5/7/2025				<10.2													<10.6					
2,4,6-Trichlorophenol	88-06-2	ug/L	5/8/2025			<9.80		<10.6																	
2,4-D	94-75-7	ug/L	4/23/2025	<0.645										<0.664					<0.671						
2,4-D	94-75-7	ug/L	4/24/2025													<0.643									
2,4-D	94-75-7	ug/L	5/5/2025						<0.618																
2,4-D	94-75-7	ug/L	5/6/2025										<0.668		<0.647										
2,4-D	94-75-7	ug/L	5/7/2025				<0.685													<0.631					
2,4-D	94-75-7	ug/L	5/8/2025			<0.639		<0.655																	
2,4-D [2C]	94-75-7	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
2,4-D [2C]	94-75-7	ug/L	5/10/2010	<1		<1	<1	<1	<1.1	<1			<1	<1	<1	<1			<1	<1					
2,4-D [2C]	94-75-7	ug/L	4/4/2011									<1					<1	<1.1							
2,4-D [2C]	94-75-7	ug/L	10/11/2012								<1														
2,4-D [2C]	94-75-7	ug/L	7/10/2013																		<1.06	<1.02	<1.02	<1.14	<1.09
2,4-D [2C]	94-75-7	ug/L	10/5/2015	<1.02		<1.32	<1.1	<1.05	<1.02				<1.06	<1.02	<1.01	<1.02			<1	<1.02					
2,4-D [2C]	94-75-7	ug/L	4/4/2016									<1.04					<1.03	<1.01							
2,4-D [2C]	94-75-7	ug/L	5/1/2018																		<1.04	<1.03			
2,4-D [2C]	94-75-7	ug/L	5/2/2018																				<1.05	<1.11	<1.06
2,4-D [2C]	94-75-7	ug/L	3/30/2020	<1.04		<1.05	<1.04	<1.07	<1.04				<1.05	<1.05	<1.07	<1.04			<1.04	<1.04					
2,4-D [2C]	94-75-7	ug/L	6/24/2020		<1.05																				
2,4-D [2C]	94-75-7	ug/L	10/20/2021		<2							<2					<2	<2							
2,4-D [2C]	94-75-7	ug/L	5/1/2023																		<1.13	<1.13	<1.08	<1.09	<1.12

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
2,4-Dichlorophenol	120-83-2	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2,4-Dichlorophenol	120-83-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2,4-Dichlorophenol	120-83-2	ug/L	4/4/2011									<10					<10	<10							
2,4-Dichlorophenol	120-83-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
2,4-Dichlorophenol	120-83-2	ug/L	6/2/2014																					<10.1	
2,4-Dichlorophenol	120-83-2	ug/L	10/15/2014																					<10	
2,4-Dichlorophenol	120-83-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2,4-Dichlorophenol	120-83-2	ug/L	4/4/2016									<10					<10	<10							
2,4-Dichlorophenol	120-83-2	ug/L	5/1/2018																		<10.4	<10.3			
2,4-Dichlorophenol	120-83-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2,4-Dichlorophenol	120-83-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2,4-Dichlorophenol	120-83-2	ug/L	6/24/2020		<10.4																				
2,4-Dichlorophenol	120-83-2	ug/L	10/20/2021		<8							<8					<8	<8							
2,4-Dichlorophenol	120-83-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2,4-Dichlorophenol	120-83-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2,4-Dichlorophenol	120-83-2	ug/L	4/24/2025													<10.4									
2,4-Dichlorophenol	120-83-2	ug/L	5/5/2025						<10.2																
2,4-Dichlorophenol	120-83-2	ug/L	5/6/2025										<10.4		<10.6										
2,4-Dichlorophenol	120-83-2	ug/L	5/7/2025				<10.2													<10.6					
2,4-Dichlorophenol	120-83-2	ug/L	5/8/2025			<9.80		<10.6																	
2,4-Dimethylphenol	105-67-9	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2,4-Dimethylphenol	105-67-9	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2,4-Dimethylphenol	105-67-9	ug/L	4/4/2011									<10					<10	<10							
2,4-Dimethylphenol	105-67-9	ug/L	7/10/2013																		<10.2	<10.1	<10.1	443	<10.3
2,4-Dimethylphenol	105-67-9	ug/L	10/7/2013							<10.2	<10.1													<10.1	
2,4-Dimethylphenol	105-67-9	ug/L	6/2/2014																					<10.1	
2,4-Dimethylphenol	105-67-9	ug/L	10/15/2014																					<10	
2,4-Dimethylphenol	105-67-9	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2,4-Dimethylphenol	105-67-9	ug/L	4/4/2016									<10					<10	<10							
2,4-Dimethylphenol	105-67-9	ug/L	5/1/2018																		<10.4	<10.3			
2,4-Dimethylphenol	105-67-9	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2,4-Dimethylphenol	105-67-9	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2,4-Dimethylphenol	105-67-9	ug/L	6/24/2020		<10.4																				
2,4-Dimethylphenol	105-67-9	ug/L	10/20/2021		<8							<8					<8	<8							
2,4-Dimethylphenol	105-67-9	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2,4-Dimethylphenol	105-67-9	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2,4-Dimethylphenol	105-67-9	ug/L	4/24/2025													<10.4									
2,4-Dimethylphenol	105-67-9	ug/L	5/5/2025						<10.2																
2,4-Dimethylphenol	105-67-9	ug/L	5/6/2025										<10.4		<10.6										
2,4-Dimethylphenol	105-67-9	ug/L	5/7/2025				<10.2													<10.6					
2,4-Dimethylphenol	105-67-9	ug/L	5/8/2025			<9.80		<10.6																	
2,4-Dinitrophenol	51-28-5	ug/L	4/14/2009	<20		<20	<20	<20	<20	<20															
2,4-Dinitrophenol	51-28-5	ug/L	5/10/2010	<20		<20	<20	<20	<20	<20			<20	<20	<20	<20			<20	<20					
2,4-Dinitrophenol	51-28-5	ug/L	4/4/2011									<20					<20	<20							
2,4-Dinitrophenol	51-28-5	ug/L	7/10/2013																		<20.4	<20.2	<20.2	<213	<20.6
2,4-Dinitrophenol	51-28-5	ug/L	6/2/2014																					<20.2	
2,4-Dinitrophenol	51-28-5	ug/L	10/15/2014																					<20	
2,4-Dinitrophenol	51-28-5	ug/L	10/5/2015	<20.8		<20	<21.1	<21.1	<20.2				<21.5	<21.3	<21.1	<20.6			<22.2	<20.2					
2,4-Dinitrophenol	51-28-5	ug/L	4/4/2016									<20					<20	<20							
2,4-Dinitrophenol	51-28-5	ug/L	5/1/2018																		<20.8	<20.6			
2,4-Dinitrophenol	51-28-5	ug/L	5/2/2018																				<20.8	<21.1	<20.8
2,4-Dinitrophenol	51-28-5	ug/L	3/30/2020	<20.8		<21.5	<20.6	<21.1	<20.6				<20.8	<20.8	<21.1	<20.2			<20.8	<20.8					
2,4-Dinitrophenol	51-28-5	ug/L	6/24/2020		<20.8																				
2,4-Dinitrophenol	51-28-5	ug/L	10/20/2021		<8							<8					<8	<8							
2,4-Dinitrophenol	51-28-5	ug/L	5/1/2023																		<21.3	<20	<19.6	<21.3	<20
2,4-Dinitrophenol	51-28-5	ug/L	4/23/2025	<20.8										<20.8					<20.8						
2,4-Dinitrophenol	51-28-5	ug/L	4/24/2025													<20.8									
2,4-Dinitrophenol	51-28-5	ug/L	5/5/2025						<20.4																
2,4-Dinitrophenol	51-28-5	ug/L	5/6/2025										<20.8		<21.3										
2,4-Dinitrophenol	51-28-5	ug/L	5/7/2025				<20.4													<21.3					
2,4-Dinitrophenol	51-28-5	ug/L	5/8/2025			<19.6		<21.3																	
2,4-Dinitrotoluene	121-14-2	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2,4-Dinitrotoluene	121-14-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2,4-Dinitrotoluene	121-14-2	ug/L	4/4/2011									<10					<10	<10							
2,4-Dinitrotoluene	121-14-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
2,4-Dinitrotoluene	121-14-2	ug/L	6/2/2014																					<10.1	
2,4-Dinitrotoluene	121-14-2	ug/L	10/15/2014																					<10	
2,4-Dinitrotoluene	121-14-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2,4-Dinitrotoluene	121-14-2	ug/L	4/4/2016									<10					<10	<10							
2,4-Dinitrotoluene	121-14-2	ug/L	5/1/2018																		<10.4	<10.3			
2,4-Dinitrotoluene	121-14-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2,4-Dinitrotoluene	121-14-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2,4-Dinitrotoluene	121-14-2	ug/L	6/24/2020		<10.4																				
2,4-Dinitrotoluene	121-14-2	ug/L	10/20/2021		<8							<8					<8	<8							
2,4-Dinitrotoluene	121-14-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2,4-Dinitrotoluene	121-14-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2,4-Dinitrotoluene	121-14-2	ug/L	4/24/2025													<10.4									
2,4-Dinitrotoluene	121-14-2	ug/L	5/5/2025						<10.2																
2,4-Dinitrotoluene	121-14-2	ug/L	5/6/2025										<10.4		<10.6										
2,4-Dinitrotoluene	121-14-2	ug/L	5/7/2025				<10.2													<10.6					
2,4-Dinitrotoluene	121-14-2	ug/L	5/8/2025			<9.80		<10.6																	
2,6-Dichlorophenol	87-65-0	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2,6-Dichlorophenol	87-65-0	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2,6-Dichlorophenol	87-65-0	ug/L	4/4/2011									<10					<10	<10							
2,6-Dichlorophenol	87-65-0	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
2,6-Dichlorophenol	87-65-0	ug/L	6/2/2014																					<10.1	
2,6-Dichlorophenol	87-65-0	ug/L	10/15/2014																					<10	

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
2,6-Dichlorophenol	87-65-0	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2,6-Dichlorophenol	87-65-0	ug/L	4/4/2016									<10					<10	<10							
2,6-Dichlorophenol	87-65-0	ug/L	5/1/2018																		<10.4	<10.3			
2,6-Dichlorophenol	87-65-0	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2,6-Dichlorophenol	87-65-0	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2,6-Dichlorophenol	87-65-0	ug/L	6/24/2020		<10.4																				
2,6-Dichlorophenol	87-65-0	ug/L	10/20/2021		<8							<8					<8	<8							
2,6-Dichlorophenol	87-65-0	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2,6-Dichlorophenol	87-65-0	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2,6-Dichlorophenol	87-65-0	ug/L	4/24/2025													<10.4									
2,6-Dichlorophenol	87-65-0	ug/L	5/5/2025						<10.2																
2,6-Dichlorophenol	87-65-0	ug/L	5/6/2025										<10.4		<10.6										
2,6-Dichlorophenol	87-65-0	ug/L	5/7/2025				<10.2													<10.6					
2,6-Dichlorophenol	87-65-0	ug/L	5/8/2025			<9.80		<10.6																	
2,6-Dinitrotoluene	606-20-2	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2,6-Dinitrotoluene	606-20-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2,6-Dinitrotoluene	606-20-2	ug/L	4/4/2011									<10					<10	<10							
2,6-Dinitrotoluene	606-20-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
2,6-Dinitrotoluene	606-20-2	ug/L	6/2/2014																					<10.1	
2,6-Dinitrotoluene	606-20-2	ug/L	10/15/2014																					<10	
2,6-Dinitrotoluene	606-20-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2,6-Dinitrotoluene	606-20-2	ug/L	4/4/2016									<10					<10	<10							
2,6-Dinitrotoluene	606-20-2	ug/L	5/1/2018																		<10.4	<10.3			
2,6-Dinitrotoluene	606-20-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2,6-Dinitrotoluene	606-20-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2,6-Dinitrotoluene	606-20-2	ug/L	6/24/2020		<10.4																				
2,6-Dinitrotoluene	606-20-2	ug/L	10/20/2021		<8							<8					<8	<8							
2,6-Dinitrotoluene	606-20-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2,6-Dinitrotoluene	606-20-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2,6-Dinitrotoluene	606-20-2	ug/L	4/24/2025													<10.4									
2,6-Dinitrotoluene	606-20-2	ug/L	5/5/2025						<10.2																
2,6-Dinitrotoluene	606-20-2	ug/L	5/6/2025										<10.4		<10.6										
2,6-Dinitrotoluene	606-20-2	ug/L	5/7/2025				<10.2													<10.6					
2,6-Dinitrotoluene	606-20-2	ug/L	5/8/2025			<9.80		<10.6																	
2-Acetylaminofluorene	53-96-3	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2-Acetylaminofluorene	53-96-3	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2-Acetylaminofluorene	53-96-3	ug/L	4/4/2011									<10					<10	<10							
2-Acetylaminofluorene	53-96-3	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
2-Acetylaminofluorene	53-96-3	ug/L	6/2/2014																					<10.1	
2-Acetylaminofluorene	53-96-3	ug/L	10/15/2014																					<10	
2-Acetylaminofluorene	53-96-3	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2-Acetylaminofluorene	53-96-3	ug/L	4/4/2016									<10					<10	<10							
2-Acetylaminofluorene	53-96-3	ug/L	5/1/2018																		<10.4	<10.3			
2-Acetylaminofluorene	53-96-3	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2-Acetylaminofluorene	53-96-3	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2-Acetylaminofluorene	53-96-3	ug/L	6/24/2020		<10.4																				
2-Acetylaminofluorene	53-96-3	ug/L	10/20/2021		<8							<8					<8	<8							
2-Acetylaminofluorene	53-96-3	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2-Acetylaminofluorene	53-96-3	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2-Acetylaminofluorene	53-96-3	ug/L	4/24/2025													<10.4									
2-Acetylaminofluorene	53-96-3	ug/L	5/5/2025						<10.2																
2-Acetylaminofluorene	53-96-3	ug/L	5/6/2025										<10.4		<10.6										
2-Acetylaminofluorene	53-96-3	ug/L	5/7/2025				<10.2													<10.6					
2-Acetylaminofluorene	53-96-3	ug/L	5/8/2025			<9.80		<10.6																	
2-Butanone (MEK)	78-93-3	ug/L	2/27/2008	<10		<10	<10	<10	<10	<10															
2-Butanone (MEK)	78-93-3	ug/L	5/12/2008	<10		<10	<10	<10	<10	<10															
2-Butanone (MEK)	78-93-3	ug/L	7/13/2008	<10		<10	<10	<10	<10	<10															
2-Butanone (MEK)	78-93-3	ug/L	9/14/2008	<10		<10	<10	<10	<10	<10															
2-Butanone (MEK)	78-93-3	ug/L	11/17/2008	<10		<10	<10	<10	<10	<10															
2-Butanone (MEK)	78-93-3	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2-Butanone (MEK)	78-93-3	ug/L	7/7/2009										<10	<10	<10	<10			<10	<10					
2-Butanone (MEK)	78-93-3	ug/L	9/2/2009										<10	<10	<10	<10			<10	<10					
2-Butanone (MEK)	78-93-3	ug/L	10/25/2009	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2-Butanone (MEK)	78-93-3	ug/L	1/2/2010										<10	<10	<10	<10			<10	<10					
2-Butanone (MEK)	78-93-3	ug/L	3/3/2010									<10	<10	<10	<10	<10	<10	<10	<10	<10					
2-Butanone (MEK)	78-93-3	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
2-Butanone (MEK)	78-93-3	ug/L	7/8/2010							<10		<10					<10	<10							
2-Butanone (MEK)	78-93-3	ug/L	9/13/2010							<10		<10					<10	<10							
2-Butanone (MEK)	78-93-3	ug/L	11/1/2010	<10		<10		<10	<10	<10			<10	<10	<10	<10									
2-Butanone (MEK)	78-93-3	ug/L	1/10/2011							<10		<10					<10	<10							
2-Butanone (MEK)	78-93-3	ug/L	4/4/2011							<10		<10					<10	<10							
2-Butanone (MEK)	78-93-3	ug/L	10/13/2011	<10		<10		<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10						
2-Butanone (MEK)	78-93-3	ug/L	12/5/2011				<10													<10					
2-Butanone (MEK)	78-93-3	ug/L	4/11/2012	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
2-Butanone (MEK)	78-93-3	ug/L	6/25/2012					<10		<10															
2-Butanone (MEK)	78-93-3	ug/L	8/1/2012							<10	<10										<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/11/2012	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	12/13/2012								<10										<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	2/4/2013								<10										<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	3/30/2013	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	7/10/2013																		<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/7/2013	<10		<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	6/2/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/15/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/6/2015	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/5/2015	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/4/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
2-Butanone (MEK)	78-93-3	ug/L	10/17/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/17/2017	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/11/2017	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/20/2018											<10					<10	<10					
2-Butanone (MEK)	78-93-3	ug/L	4/23/2018	<10								<10	<10		<10	<10	<10								
2-Butanone (MEK)	78-93-3	ug/L	4/25/2018						<10																
2-Butanone (MEK)	78-93-3	ug/L	4/30/2018			<10	<10	<10										<10							
2-Butanone (MEK)	78-93-3	ug/L	5/1/2018								<10										<10	<10			
2-Butanone (MEK)	78-93-3	ug/L	5/2/2018																				<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/16/2018	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/16/2019	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	6/24/2020		<10																				
2-Butanone (MEK)	78-93-3	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	11.6	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	1/21/2021		<5																				
2-Butanone (MEK)	78-93-3	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone (MEK)	78-93-3	ug/L	10/20/2021		<5			<5	<5			<5	<5				<5	<5			<5	<5	<5	<5	<5
2-Butanone (MEK)	78-93-3	ug/L	5/2/2022		<10			<10	<10	<10	<10	<10	<10								<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/14/2022		<10			<10	<10			<10	<10								<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/16/2023		<10			<10	<10			<10	<10								<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/29/2024		<10			<10	<10	<10	<10	<10	<10								<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/9/2024		<10.0								<10.0												
2-Butanone (MEK)	78-93-3	ug/L	10/10/2024						<10.0			<10.0													
2-Butanone (MEK)	78-93-3	ug/L	10/14/2024																		<10.0	<10.0		<10.0	
2-Butanone (MEK)	78-93-3	ug/L	10/15/2024																				<10.0		<10.0
2-Butanone (MEK)	78-93-3	ug/L	4/23/2025	<10.0										<10.0					<10.0						
2-Butanone (MEK)	78-93-3	ug/L	4/24/2025													<10.0									
2-Butanone (MEK)	78-93-3	ug/L	4/30/2025		<10.0							<10.0													
2-Butanone (MEK)	78-93-3	ug/L	5/5/2025						<10.0																
2-Butanone (MEK)	78-93-3	ug/L	5/6/2025										<10.0		<10.0										
2-Butanone (MEK)	78-93-3	ug/L	5/7/2025				<10.0													<10.0	<10.0	<10.0	<10.0		
2-Butanone (MEK)	78-93-3	ug/L	5/8/2025			<10.0		<10.0																	
2-Butanone (MEK)	78-93-3	ug/L	5/9/2025							<10.0	<10.0													<10.0	<10.0
2-Chloronaphthalene	91-58-7	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2-Chloronaphthalene	91-58-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2-Chloronaphthalene	91-58-7	ug/L	4/4/2011									<10					<10	<10							
2-Chloronaphthalene	91-58-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
2-Chloronaphthalene	91-58-7	ug/L	6/2/2014																					<10.1	
2-Chloronaphthalene	91-58-7	ug/L	10/15/2014																					<10	
2-Chloronaphthalene	91-58-7	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2-Chloronaphthalene	91-58-7	ug/L	4/4/2016									<10					<10	<10							
2-Chloronaphthalene	91-58-7	ug/L	5/1/2018																		<10.4	<10.3			
2-Chloronaphthalene	91-58-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2-Chloronaphthalene	91-58-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2-Chloronaphthalene	91-58-7	ug/L	6/24/2020		<10.4																				
2-Chloronaphthalene	91-58-7	ug/L	10/20/2021		<8							<8					<8	<8							
2-Chloronaphthalene	91-58-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2-Chloronaphthalene	91-58-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2-Chloronaphthalene	91-58-7	ug/L	6/24/2020		<10.4																				
2-Chloronaphthalene	91-58-7	ug/L	10/20/2021		<8							<8					<8	<8							
2-Chloronaphthalene	91-58-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2-Chloronaphthalene	91-58-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2-Chloronaphthalene	91-58-7	ug/L	4/24/2025													<10.4									
2-Chloronaphthalene	91-58-7	ug/L	5/5/2025						<10.2																
2-Chloronaphthalene	91-58-7	ug/L	5/6/2025										<10.4		<10.6										
2-Chloronaphthalene	91-58-7	ug/L	5/7/2025				<10.2													<10.6					
2-Chloronaphthalene	91-58-7	ug/L	5/8/2025			<9.80		<10.6																	
2-Chlorophenol	95-57-8	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2-Chlorophenol	95-57-8	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2-Chlorophenol	95-57-8	ug/L	4/4/2011									<10					<10	<10							
2-Chlorophenol	95-57-8	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
2-Chlorophenol	95-57-8	ug/L	6/2/2014																					<10.1	
2-Chlorophenol	95-57-8	ug/L	10/15/2014																					<10	
2-Chlorophenol	95-57-8	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2-Chlorophenol	95-57-8	ug/L	4/4/2016									<10					<10	<10							
2-Chlorophenol	95-57-8	ug/L	5/1/2018																		<10.4	<10.3			
2-Chlorophenol	95-57-8	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2-Chlorophenol	95-57-8	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2-Chlorophenol	95-57-8	ug/L	6/24/2020		<10.4																				
2-Chlorophenol	95-57-8	ug/L	10/20/2021		<8							<8					<8	<8							
2-Chlorophenol	95-57-8	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2-Chlorophenol	95-57-8	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2-Chlorophenol	95-57-8	ug/L	4/24/2025													<10.4									
2-Chlorophenol	95-57-8	ug/L	5/5/2025						<10.2																
2-Chlorophenol	95-57-8	ug/L	5/6/2025										<10.4		<10.6										
2-Chlorophenol	95-57-8	ug/L	5/7/2025				<10.2													<10.6					
2-Chlorophenol	95-57-8	ug/L	5/8/2025			<9.80		<10.6																	
2-Hexanone	591-78-6	ug/L	2/27/2008	<10		<10	<10	<10	<10	<10															
2-Hexanone	591-78-6	ug/L	5/12/2008	<10		<10	<10	<10	<10	<10															
2-Hexanone	591-78-6	ug/L	7/13/2008	<10		<10	<10	<10	<10	<10															
2-Hexanone	591-78-6	ug/L	9/14/2008	<10		<10	<10	<10	<10	<10															
2-Hexanone	591-78-6	ug/L	11/17/2008	<10		<10	<10	<10	<10	<10															
2-Hexanone	591-78-6	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2-Hexanone	591-78-6	ug/L	7/7/2009										<10	<10	<10	<10			<10	<10					
2-Hexanone	591-78-6	ug/L	9/2/2009										<10	<10	<10	<10			<10	<10					
2-Hexanone	591-78-6	ug/L	10/25/2009	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2-Hexanone	591-78-6	ug/L	1/2/2010										<10	<10	<10	<10			<10	<10					
2-Hexanone	591-78-6	ug/L	3/3/2010									<10	<10	<10	<10	<10	<10	<10	<10	<10					
2-Hexanone	591-78-6	ug/L	5/10/2010	<20		<20	<20	<20	<20	<20		<20	<20	<20	<20	<20	<20	<20	<20	<20					

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
2-Hexanone	591-78-6	ug/L	7/8/2010									<10					<10	<10							
2-Hexanone	591-78-6	ug/L	9/13/2010									<10					<10	<10							
2-Hexanone	591-78-6	ug/L	11/1/2010	<10		<10		<10	<10	<10			<10	<10	<10	<10									
2-Hexanone	591-78-6	ug/L	1/10/2011									<10					<10	<10							
2-Hexanone	591-78-6	ug/L	4/4/2011									<10					<10	<10							
2-Hexanone	591-78-6	ug/L	10/13/2011	<10		<10		<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10						
2-Hexanone	591-78-6	ug/L	12/5/2011				<10													<10					
2-Hexanone	591-78-6	ug/L	4/11/2012	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
2-Hexanone	591-78-6	ug/L	6/25/2012					<10		<10															
2-Hexanone	591-78-6	ug/L	8/1/2012							<10	<10										<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/11/2012	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	12/13/2012								<10										<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	2/4/2013								<10										<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	3/30/2013	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	7/10/2013																		<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/7/2013	<10		<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	6/2/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/15/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/6/2015	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/5/2015	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/4/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/17/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/17/2017	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/11/2017	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/20/2018											<10					<10	<10					
2-Hexanone	591-78-6	ug/L	4/23/2018	<10								<10	<10		<10	<10	<10								
2-Hexanone	591-78-6	ug/L	4/25/2018						<10																
2-Hexanone	591-78-6	ug/L	4/30/2018			<10	<10	<10										<10							
2-Hexanone	591-78-6	ug/L	5/1/2018								<10										<10	<10			
2-Hexanone	591-78-6	ug/L	5/2/2018																				<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/16/2018	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/16/2019	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	6/24/2020		<10																				
2-Hexanone	591-78-6	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	1/21/2021		<5																				
2-Hexanone	591-78-6	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	591-78-6	ug/L	10/20/2021		<5			<5	<5			<5	<5				<5	<5			<5	<5	<5	<5	<5
2-Hexanone	591-78-6	ug/L	5/2/2022		<5			<5	<5	<5	<5	<5	<5								<5	<5	<5	<5	<5
2-Hexanone	591-78-6	ug/L	10/14/2022		<5			<5	<5			<5	<5								<5	<5	<5	<5	<5
2-Hexanone	591-78-6	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/16/2023		<10			<10	<10			<10	<10								<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/29/2024		<10			<10	<10	<10	<10	<10	<10								<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/9/2024		<10.0								<10.0												
2-Hexanone	591-78-6	ug/L	10/10/2024						<10.0			<10.0													
2-Hexanone	591-78-6	ug/L	10/14/2024																		<10.0	<10.0		<10.0	
2-Hexanone	591-78-6	ug/L	10/15/2024																				<10.0		<10.0
2-Hexanone	591-78-6	ug/L	4/23/2025	<10.0										<10.0					<10.0						
2-Hexanone	591-78-6	ug/L	4/24/2025													<10.0									
2-Hexanone	591-78-6	ug/L	4/30/2025		<10.0							<10.0													
2-Hexanone	591-78-6	ug/L	5/5/2025						<10.0																
2-Hexanone	591-78-6	ug/L	5/6/2025										<10.0		<10.0										
2-Hexanone	591-78-6	ug/L	5/7/2025				<10.0													<10.0	<10.0	<10.0	<10.0		
2-Hexanone	591-78-6	ug/L	5/8/2025			<10.0		<10.0																	
2-Hexanone	591-78-6	ug/L	5/9/2025							<10.0	<10.0													<10.0	<10.0
2-Methylnaphthalene	91-57-6	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2-Methylnaphthalene	91-57-6	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2-Methylnaphthalene	91-57-6	ug/L	4/4/2011									<10					<10	<10							
2-Methylnaphthalene	91-57-6	ug/L	7/10/2013																		<10.2	<10.1	<10.1	156	<10.3
2-Methylnaphthalene	91-57-6	ug/L	10/7/2013							<10.2	<10.1													<10.1	
2-Methylnaphthalene	91-57-6	ug/L	6/2/2014																					<10.1	
2-Methylnaphthalene	91-57-6	ug/L	10/15/2014																					<10	
2-Methylnaphthalene	91-57-6	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2-Methylnaphthalene	91-57-6	ug/L	4/4/2016									<10					<10	<10							
2-Methylnaphthalene	91-57-6	ug/L	5/1/2018																		<10.4	<10.3			
2-Methylnaphthalene	91-57-6	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2-Methylnaphthalene	91-57-6	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2-Methylnaphthalene	91-57-6	ug/L	6/24/2020		<10.4																				
2-Methylnaphthalene	91-57-6	ug/L	10/20/2021		<8							<8					<8	<8							
2-Methylnaphthalene	91-57-6	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2-Methylnaphthalene	91-57-6	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2-Methylnaphthalene	91-57-6	ug/L	4/24/2025													<10.4									
2-Methylnaphthalene	91-57-6	ug/L	5/5/2025						<10.2																
2-Methylnaphthalene	91-57-6	ug/L	5/6/2025										<10.4		<10.6										
2-Methylnaphthalene	91-57-6	ug/L	5/7/2025				<10.2													<10.6					
2-Methylnaphthalene	91-57-6	ug/L	5/8/2025			<9.80		<10.6																	
2-Methylphenol	95-48-7	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2-Methylphenol	95-48-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2-Methylphenol	95-48-7	ug/L	4/4/2011									<10					<10	<10							
2-Methylphenol	95-48-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	1780	<10.3
2-Methylphenol	95-48-7	ug/L	10/7/2013							<10.2	<10.1													<10.1	
2-Methylphenol	95-48-7	ug/L	6/2/2014																					<10.1	
2-Methylphenol	95-48-7	ug/L	10/15/2014																					<10	
2-Methylphenol	95-48-7	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2-Methylphenol	95-48-7	ug/L	4/4/2016									<10					<10	<10							
2-Methylphenol	95-48-7	ug/L	5/1/2018																		<10.4	<10.3			

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
2-Methylphenol	95-48-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2-Methylphenol	95-48-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2-Methylphenol	95-48-7	ug/L	6/24/2020		<10.4																				
2-Methylphenol	95-48-7	ug/L	10/20/2021		<8							<8					<8	<8							
2-Methylphenol	95-48-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2-Methylphenol	95-48-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2-Methylphenol	95-48-7	ug/L	4/24/2025													<10.4									
2-Methylphenol	95-48-7	ug/L	5/5/2025						<10.2																
2-Methylphenol	95-48-7	ug/L	5/6/2025										<10.4		<10.6										
2-Methylphenol	95-48-7	ug/L	5/7/2025				<10.2													<10.6					
2-Methylphenol	95-48-7	ug/L	5/8/2025			<9.80		<10.6																	
2-Naphthylamine	91-59-8	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2-Naphthylamine	91-59-8	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2-Naphthylamine	91-59-8	ug/L	4/4/2011									<10					<10	<10							
2-Naphthylamine	91-59-8	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
2-Naphthylamine	91-59-8	ug/L	6/2/2014																					<10.1	
2-Naphthylamine	91-59-8	ug/L	10/15/2014																					<10	
2-Naphthylamine	91-59-8	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2-Naphthylamine	91-59-8	ug/L	4/4/2016									<10					<10	<10							
2-Naphthylamine	91-59-8	ug/L	5/1/2018																		<10.4	<10.3			
2-Naphthylamine	91-59-8	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2-Naphthylamine	91-59-8	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2-Naphthylamine	91-59-8	ug/L	6/24/2020		<10.4																				
2-Naphthylamine	91-59-8	ug/L	10/20/2021		<8							<8					<8	<8							
2-Naphthylamine	91-59-8	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2-Naphthylamine	91-59-8	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2-Naphthylamine	91-59-8	ug/L	4/24/2025													<10.4									
2-Naphthylamine	91-59-8	ug/L	5/5/2025						<10.2																
2-Naphthylamine	91-59-8	ug/L	5/6/2025										<10.4		<10.6										
2-Naphthylamine	91-59-8	ug/L	5/7/2025				<10.2													<10.6					
2-Naphthylamine	91-59-8	ug/L	5/8/2025			<9.80		<10.6																	
2-Nitroaniline	88-74-4	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2-Nitroaniline	88-74-4	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2-Nitroaniline	88-74-4	ug/L	4/4/2011									<10					<10	<10							
2-Nitroaniline	88-74-4	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
2-Nitroaniline	88-74-4	ug/L	6/2/2014																					<10.1	
2-Nitroaniline	88-74-4	ug/L	10/15/2014																					<10	
2-Nitroaniline	88-74-4	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2-Nitroaniline	88-74-4	ug/L	4/4/2016									<10					<10	<10							
2-Nitroaniline	88-74-4	ug/L	5/1/2018																		<10.4	<10.3			
2-Nitroaniline	88-74-4	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2-Nitroaniline	88-74-4	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2-Nitroaniline	88-74-4	ug/L	6/24/2020		<10.4																				
2-Nitroaniline	88-74-4	ug/L	10/20/2021		<8							<8					<8	<8							
2-Nitroaniline	88-74-4	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2-Nitroaniline	88-74-4	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2-Nitroaniline	88-74-4	ug/L	4/24/2025													<10.4									
2-Nitroaniline	88-74-4	ug/L	5/5/2025						<10.2																
2-Nitroaniline	88-74-4	ug/L	5/6/2025										<10.4		<10.6										
2-Nitroaniline	88-74-4	ug/L	5/7/2025				<10.2													<10.6					
2-Nitroaniline	88-74-4	ug/L	5/8/2025			<9.80		<10.6																	
2-Nitrophenol	88-75-5	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
2-Nitrophenol	88-75-5	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
2-Nitrophenol	88-75-5	ug/L	4/4/2011									<10					<10	<10							
2-Nitrophenol	88-75-5	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
2-Nitrophenol	88-75-5	ug/L	6/2/2014																					<10.1	
2-Nitrophenol	88-75-5	ug/L	10/15/2014																					<10	
2-Nitrophenol	88-75-5	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
2-Nitrophenol	88-75-5	ug/L	4/4/2016									<10					<10	<10							
2-Nitrophenol	88-75-5	ug/L	5/1/2018																		<10.4	<10.3			
2-Nitrophenol	88-75-5	ug/L	5/2/2018																				<10.4	<10.5	<10.4
2-Nitrophenol	88-75-5	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
2-Nitrophenol	88-75-5	ug/L	6/24/2020		<10.4																				
2-Nitrophenol	88-75-5	ug/L	10/20/2021		<8							<8					<8	<8							
2-Nitrophenol	88-75-5	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
2-Nitrophenol	88-75-5	ug/L	4/23/2025	<10.4										<10.4					<10.4						
2-Nitrophenol	88-75-5	ug/L	4/24/2025													<10.4									
2-Nitrophenol	88-75-5	ug/L	5/5/2025						<10.2																
2-Nitrophenol	88-75-5	ug/L	5/6/2025										<10.4		<10.6										
2-Nitrophenol	88-75-5	ug/L	5/7/2025				<10.2													<10.6					
2-Nitrophenol	88-75-5	ug/L	5/8/2025			<9.80		<10.6																	
3,3'-Dichlorobenzidine	91-94-1	ug/L	4/23/2025	<10.4										<10.4					<10.4						
3,3'-Dichlorobenzidine	91-94-1	ug/L	4/24/2025													<10.4									
3,3'-Dichlorobenzidine	91-94-1	ug/L	5/5/2025						<10.2																
3,3'-Dichlorobenzidine	91-94-1	ug/L	5/6/2025										<10.4		<10.6										
3,3'-Dichlorobenzidine	91-94-1	ug/L	5/7/2025				<10.2													<10.6					
3,3'-Dichlorobenzidine	91-94-1	ug/L	5/8/2025			<9.80		<10.6																	
3,3'-Dimethylbenzidine	119-93-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
3,3'-Dimethylbenzidine	119-93-7	ug/L	4/24/2025													<10.4									
3,3'-Dimethylbenzidine	119-93-7	ug/L	5/5/2025						<10.2																
3,3'-Dimethylbenzidine	119-93-7	ug/L	5/6/2025										<10.4		<10.6										
3,3'-Dimethylbenzidine	119-93-7	ug/L	5/7/2025				<10.2													<10.6					
3,3'-Dimethylbenzidine	119-93-7	ug/L	5/8/2025			<9.80		<10.6																	
3,3-Dichlorobenzidine	91-94-1	ug/L	4/14/2009	<85		<85	<85	<85	<85	<85															
3,3-Dichlorobenzidine	91-94-1	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
3,3-Dichlorobenzidine	91-94-1	ug/L	4/4/2011									<10					<10	<10							
3,3-Dichlorobenzidine	91-94-1	ug/L	7/10/2013																		<51	<50.5	<50.5	<532	<51.5

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
3,3-Dichlorobenzidine	91-94-1	ug/L	6/2/2014																					<50.5	
3,3-Dichlorobenzidine	91-94-1	ug/L	10/15/2014																					<50	
3,3-Dichlorobenzidine	91-94-1	ug/L	10/5/2015	<52.1		<50	<52.6	<52.6	<50.5				<53.8	<53.2	<52.6	<51.5			<55.6	<50.5					
3,3-Dichlorobenzidine	91-94-1	ug/L	4/4/2016									<50					<50	<50							
3,3-Dichlorobenzidine	91-94-1	ug/L	5/1/2018																		<10.4	<10.3			
3,3-Dichlorobenzidine	91-94-1	ug/L	5/2/2018																				<10.4	<10.5	<10.4
3,3-Dichlorobenzidine	91-94-1	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
3,3-Dichlorobenzidine	91-94-1	ug/L	6/24/2020		<10.4																				
3,3-Dichlorobenzidine	91-94-1	ug/L	10/20/2021		<8							<8					<8	<8							
3,3-Dichlorobenzidine	91-94-1	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
3,3-Dimethylbenzidine	119-93-7	ug/L	4/14/2009	<20		<20	<20	<20	<20	<20															
3,3-Dimethylbenzidine	119-93-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
3,3-Dimethylbenzidine	119-93-7	ug/L	4/4/2011									<10					<10	<10							
3,3-Dimethylbenzidine	119-93-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
3,3-Dimethylbenzidine	119-93-7	ug/L	6/2/2014																					<10.1	
3,3-Dimethylbenzidine	119-93-7	ug/L	10/15/2014																					<10	
3,3-Dimethylbenzidine	119-93-7	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
3,3-Dimethylbenzidine	119-93-7	ug/L	4/4/2016									<10					<10	<10							
3,3-Dimethylbenzidine	119-93-7	ug/L	5/1/2018																		<10.4	<10.3			
3,3-Dimethylbenzidine	119-93-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
3,3-Dimethylbenzidine	119-93-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
3,3-Dimethylbenzidine	119-93-7	ug/L	6/24/2020		<10.4																				
3,3-Dimethylbenzidine	119-93-7	ug/L	10/20/2021		<8							<8					<8	<8							
3,3-Dimethylbenzidine	119-93-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
3-Methylcholanthrene	56-49-5	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
3-Methylcholanthrene	56-49-5	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
3-Methylcholanthrene	56-49-5	ug/L	4/4/2011									<10					<10	<10							
3-Methylcholanthrene	56-49-5	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
3-Methylcholanthrene	56-49-5	ug/L	6/2/2014																					<10.1	
3-Methylcholanthrene	56-49-5	ug/L	10/15/2014																					<10	
3-Methylcholanthrene	56-49-5	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
3-Methylcholanthrene	56-49-5	ug/L	4/4/2016									<10					<10	<10							
3-Methylcholanthrene	56-49-5	ug/L	5/1/2018																		<10.4	<10.3			
3-Methylcholanthrene	56-49-5	ug/L	5/2/2018																				<10.4	<10.5	<10.4
3-Methylcholanthrene	56-49-5	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
3-Methylcholanthrene	56-49-5	ug/L	6/24/2020		<10.4																				
3-Methylcholanthrene	56-49-5	ug/L	10/20/2021		<8							<8					<8	<8							
3-Methylcholanthrene	56-49-5	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
3-Methylcholanthrene	56-49-5	ug/L	4/23/2025	<10.4										<10.4					<10.4						
3-Methylcholanthrene	56-49-5	ug/L	4/24/2025													<10.4									
3-Methylcholanthrene	56-49-5	ug/L	5/5/2025						<10.2																
3-Methylcholanthrene	56-49-5	ug/L	5/6/2025										<10.4		<10.6										
3-Methylcholanthrene	56-49-5	ug/L	5/7/2025				<10.2													<10.6					
3-Methylcholanthrene	56-49-5	ug/L	5/8/2025			<9.80		<10.6																	
3-Nitroaniline	99-09-2	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
3-Nitroaniline	99-09-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
3-Nitroaniline	99-09-2	ug/L	4/4/2011									<10					<10	<10							
3-Nitroaniline	99-09-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
3-Nitroaniline	99-09-2	ug/L	6/2/2014																					<10.1	
3-Nitroaniline	99-09-2	ug/L	10/15/2014																					<10	
3-Nitroaniline	99-09-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
3-Nitroaniline	99-09-2	ug/L	4/4/2016									<10					0.417J	<10							
3-Nitroaniline	99-09-2	ug/L	5/1/2018																		<10.4	<10.3			
3-Nitroaniline	99-09-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
3-Nitroaniline	99-09-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
3-Nitroaniline	99-09-2	ug/L	6/24/2020		<10.4																				
3-Nitroaniline	99-09-2	ug/L	10/20/2021		<8							<8					<8	<8							
3-Nitroaniline	99-09-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
3-Nitroaniline	99-09-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
3-Nitroaniline	99-09-2	ug/L	4/24/2025													<10.4									
3-Nitroaniline	99-09-2	ug/L	5/5/2025						<10.2																
3-Nitroaniline	99-09-2	ug/L	5/6/2025										<10.4		<10.6										
3-Nitroaniline	99-09-2	ug/L	5/7/2025				<10.2													<10.6					
3-Nitroaniline	99-09-2	ug/L	5/8/2025			<9.80		<10.6																	
4,4'-DDD	72-54-8	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
4,4'-DDD	72-54-8	ug/L	4/24/2025													<0.0921									
4,4'-DDD	72-54-8	ug/L	5/5/2025						<0.0895																
4,4'-DDD	72-54-8	ug/L	5/6/2025										<0.0907		<0.0902										
4,4'-DDD	72-54-8	ug/L	5/7/2025				<0.0907													<0.0904					
4,4'-DDD	72-54-8	ug/L	5/8/2025			<0.0882		<0.0904																	
4,4'-DDE	72-55-9	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
4,4'-DDE	72-55-9	ug/L	4/24/2025													<0.0921									
4,4'-DDE	72-55-9	ug/L	5/5/2025						<0.0895																
4,4'-DDE	72-55-9	ug/L	5/6/2025										<0.0907		<0.0902										
4,4'-DDE	72-55-9	ug/L	5/7/2025				<0.0907													<0.0904					
4,4'-DDE	72-55-9	ug/L	5/8/2025			<0.0882		<0.0904																	
4,4'-DDT	50-29-3	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
4,4'-DDT	50-29-3	ug/L	4/24/2025													<0.0921									
4,4'-DDT	50-29-3	ug/L	5/5/2025						<0.0895																
4,4'-DDT	50-29-3	ug/L	5/6/2025										<0.0907		<0.0902										
4,4'-DDT	50-29-3	ug/L	5/7/2025				<0.0907													<0.0904					
4,4'-DDT	50-29-3	ug/L	5/8/2025			<0.0882		<0.0904																	
4,4`-DDD	72-54-8	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
4,4`-DDD	72-54-8	ug/L	10/25/2009							<0.032															
4,4`-DDD	72-54-8	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
4,4`-DDD	72-54-8	ug/L	4/4/2011									<0.032					<0.032	<0.032							
4,4`-DDD	72-54-8	ug/L	10/11/2012								<0.032														

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
4,4`-DDD	72-54-8	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
4,4`-DDD	72-54-8	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	<0.033			<0.0348	<0.0323					
4,4`-DDD	72-54-8	ug/L	4/4/2016									<0.032					0.00815J	<0.032							
4,4`-DDD	72-54-8	ug/L	5/1/2018																		<0.0333	<0.0323			
4,4`-DDD	72-54-8	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
4,4`-DDD	72-54-8	ug/L	3/30/2020	<0.0333		<0.0337	<0.0333	<0.0344	<0.0337				<0.0337	<0.0333	<0.0333	<0.0333			<0.033	<0.033					
4,4`-DDD	72-54-8	ug/L	6/24/2020		<0.0337																				
4,4`-DDD	72-54-8	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
4,4`-DDD	72-54-8	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
4,4`-DDE	72-55-9	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
4,4`-DDE	72-55-9	ug/L	10/25/2009							<0.032															
4,4`-DDE	72-55-9	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
4,4`-DDE	72-55-9	ug/L	4/4/2011									<0.032					<0.032	<0.032							
4,4`-DDE	72-55-9	ug/L	10/11/2012								<0.032														
4,4`-DDE	72-55-9	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
4,4`-DDE	72-55-9	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	<0.033			<0.0348	<0.0323					
4,4`-DDE	72-55-9	ug/L	4/4/2016									<0.032					0.00499J	<0.032							
4,4`-DDE	72-55-9	ug/L	5/1/2018																		<0.0333	<0.0323			
4,4`-DDE	72-55-9	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
4,4`-DDE	72-55-9	ug/L	3/30/2020	<0.0333		<0.0337	<0.0333	<0.0344	<0.0337				<0.0337	<0.0333	<0.0333	<0.0333			<0.033	<0.033					
4,4`-DDE	72-55-9	ug/L	6/24/2020		<0.0337																				
4,4`-DDE	72-55-9	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
4,4`-DDE	72-55-9	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
4,4`-DDT	50-29-3	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
4,4`-DDT	50-29-3	ug/L	10/25/2009							<0.032															
4,4`-DDT	50-29-3	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
4,4`-DDT	50-29-3	ug/L	4/4/2011									<0.032					<0.032	<0.032							
4,4`-DDT	50-29-3	ug/L	10/11/2012								<0.032														
4,4`-DDT	50-29-3	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
4,4`-DDT	50-29-3	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	<0.033			<0.0348	<0.0323					
4,4`-DDT	50-29-3	ug/L	4/4/2016									<0.032					0.0111J	<0.032							
4,4`-DDT	50-29-3	ug/L	5/1/2018																		<0.0333	<0.0323			
4,4`-DDT	50-29-3	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
4,4`-DDT	50-29-3	ug/L	3/30/2020	<0.0333		<0.0337	<0.0333	<0.0344	<0.0337				<0.0337	<0.0333	<0.0333	<0.0333			<0.033	<0.033					
4,4`-DDT	50-29-3	ug/L	6/24/2020		<0.0337																				
4,4`-DDT	50-29-3	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
4,4`-DDT	50-29-3	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/4/2011									<10					<10	<10							
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	6/2/2014																					<10.1	
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	10/15/2014																					<10	
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/4/2016									<10					<10	<10							
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/1/2018																		<10.4	<10.3			
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/2/2018																				<10.4	<10.5	<10.4
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	6/24/2020		<10.4																				
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	10/20/2021		<8							<8					<8	<8							
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/23/2025	<10.4										<10.4					<10.4						
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/24/2025													<10.4									
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/5/2025						<10.2																
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/6/2025										<10.4		<10.6										
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/7/2025				<10.2													<10.6					
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/8/2025			<9.80		<10.6																	
4-Aminobiphenyl	92-67-1	ug/L	4/14/2009	<20		<20	<20	<20	<20	<20															
4-Aminobiphenyl	92-67-1	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
4-Aminobiphenyl	92-67-1	ug/L	4/4/2011									<10					<10	<10							
4-Aminobiphenyl	92-67-1	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
4-Aminobiphenyl	92-67-1	ug/L	6/2/2014																					<10.1	
4-Aminobiphenyl	92-67-1	ug/L	10/15/2014																					<10	
4-Aminobiphenyl	92-67-1	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
4-Aminobiphenyl	92-67-1	ug/L	4/4/2016									<10					<10	<10							
4-Aminobiphenyl	92-67-1	ug/L	5/1/2018																		<10.4	<10.3			
4-Aminobiphenyl	92-67-1	ug/L	5/2/2018																				<10.4	<10.5	<10.4
4-Aminobiphenyl	92-67-1	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
4-Aminobiphenyl	92-67-1	ug/L	6/24/2020		<10.4																				
4-Aminobiphenyl	92-67-1	ug/L	10/20/2021		<8							<8					<8	<8							
4-Aminobiphenyl	92-67-1	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
4-Aminobiphenyl	92-67-1	ug/L	4/23/2025	<10.4										<10.4					<10.4						
4-Aminobiphenyl	92-67-1	ug/L	4/24/2025													<10.4									
4-Aminobiphenyl	92-67-1	ug/L	5/5/2025						<10.2																
4-Aminobiphenyl	92-67-1	ug/L	5/6/2025										<10.4		<10.6										
4-Aminobiphenyl	92-67-1	ug/L	5/7/2025				<10.2													<10.6					
4-Aminobiphenyl	92-67-1	ug/L	5/8/2025			<9.80		<10.6																	
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/4/2011									<10					<10	<10							
4-Bromophenyl phenyl ether	101-55-3	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
4-Bromophenyl phenyl ether	101-55-3	ug/L	6/2/2014																					<10.1	
4-Bromophenyl phenyl ether	101-55-3	ug/L	10/15/2014																					<10	
4-Bromophenyl phenyl ether	101-55-3	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/4/2016									<10					<10	<10							
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/1/2018																		<10.4	<10.3			
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/2/2018																				<10.4	<10.5	<10.4

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
4-Bromophenyl phenyl ether	101-55-3	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
4-Bromophenyl phenyl ether	101-55-3	ug/L	6/24/2020		<10.4																				
4-Bromophenyl phenyl ether	101-55-3	ug/L	10/20/2021		<8							<8					<8	<8							
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/23/2025	<10.4										<10.4					<10.4						
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/24/2025													<10.4									
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/5/2025						<10.2																
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/6/2025										<10.4		<10.6										
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/7/2025				<10.2													<10.6					
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/8/2025			<9.80		<10.6																	
4-Chloro-3-methylphenol	59-50-7	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
4-Chloro-3-methylphenol	59-50-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
4-Chloro-3-methylphenol	59-50-7	ug/L	4/4/2011									<10					<10	<10							
4-Chloro-3-methylphenol	59-50-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
4-Chloro-3-methylphenol	59-50-7	ug/L	6/2/2014																					<10.1	
4-Chloro-3-methylphenol	59-50-7	ug/L	10/15/2014																					<10	
4-Chloro-3-methylphenol	59-50-7	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
4-Chloro-3-methylphenol	59-50-7	ug/L	4/4/2016									<10					<10	<10							
4-Chloro-3-methylphenol	59-50-7	ug/L	5/1/2018																		0.644J	<10.3			
4-Chloro-3-methylphenol	59-50-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
4-Chloro-3-methylphenol	59-50-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
4-Chloro-3-methylphenol	59-50-7	ug/L	6/24/2020		<10.4																				
4-Chloro-3-methylphenol	59-50-7	ug/L	10/20/2021		<8							<8					<8	<8							
4-Chloro-3-methylphenol	59-50-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
4-Chloro-3-methylphenol	59-50-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
4-Chloro-3-methylphenol	59-50-7	ug/L	4/24/2025													<10.4									
4-Chloro-3-methylphenol	59-50-7	ug/L	5/5/2025						<10.2																
4-Chloro-3-methylphenol	59-50-7	ug/L	5/6/2025										<10.4		<10.6										
4-Chloro-3-methylphenol	59-50-7	ug/L	5/7/2025				<10.2													<10.6					
4-Chloro-3-methylphenol	59-50-7	ug/L	5/8/2025			<9.80		<10.6																	
4-Chloroaniline	106-47-8	ug/L	4/23/2025	<10.4										<10.4					<10.4						
4-Chloroaniline	106-47-8	ug/L	4/24/2025													<10.4									
4-Chloroaniline	106-47-8	ug/L	5/5/2025						<10.2																
4-Chloroaniline	106-47-8	ug/L	5/6/2025										<10.4		<10.6										
4-Chloroaniline	106-47-8	ug/L	5/7/2025				<10.2													<10.6					
4-Chloroaniline	106-47-8	ug/L	5/8/2025			<9.80		<10.6																	
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/4/2011									<10					<10	<10							
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	6/2/2014																					<10.1	
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	10/15/2014																					<10	
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/4/2016									<10					<10	<10							
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/1/2018																		<10.4	<10.3			
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/2/2018																				<10.4	<10.5	<10.4
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	6/24/2020		<10.4																				
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	10/20/2021		<8							<8					<8	<8							
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/23/2025	<10.4										<10.4					<10.4						
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/24/2025													<10.4									
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/5/2025						<10.2																
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/6/2025										<10.4		<10.6										
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/7/2025				<10.2													<10.6					
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/8/2025			<9.80		<10.6																	
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	2/27/2008	<10		<10	<10	<10	<10	<10															
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/12/2008	<10		<10	<10	<10	<10	<10															
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	7/13/2008	<10		<10	<10	<10	<10	<10															
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	9/14/2008	<10		<10	<10	<10	<10	<10															
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	11/17/2008	<10		<10	<10	<10	<10	<10															
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	7/7/2009										<10	<10	<10	<10			<10	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	9/2/2009										<10	<10	<10	<10			<10	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/25/2009	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	1/2/2010										<10	<10	<10	<10			<10	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	3/3/2010									<10	<10	<10	<10	<10	<10	<10	<10	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	7/8/2010									<10					<10	<10							
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	9/13/2010									<10					<10	<10							
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	11/1/2010	<10		<10		<10	<10	<10			<10	<10	<10	<10									
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	1/10/2011									<10					<10	<10							
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/4/2011									<10					<10	<10							
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/13/2011	<10		<10		<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10						
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	12/5/2011				<10													<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/11/2012	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	6/25/2012					<10		<10															
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	8/1/2012							<10	<10										<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/11/2012	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	12/13/2012								<10										<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	2/4/2013								<10										<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	3/30/2013	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	7/10/2013																		<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/7/2013	<10		<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	6/2/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/15/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/6/2015	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/5/2015	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/4/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/17/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/17/2017	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/11/2017	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/20/2018											<10					<10	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/23/2018	<10								<10	<10		<10	<10	<10								
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/25/2018						<10																
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/30/2018			<10	<10	<10										<10							
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/1/2018								<10										<10	<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/2/2018																				<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/16/2018	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/16/2019	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	6/24/2020		<10																				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	1/21/2021		<5																				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/20/2021		<5			<5	<5			<5	<5				<5	<5			<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/2/2022		<5			<5	<5	<5	1.4J	<5	<5								1.6J	1.6J	1.3J	<5	<5
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/14/2022		<5			<5	<5			<5	<5								<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/16/2023		<10			<10	<10			<10	<10								<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/29/2024		<10			<10	<10	<10	<10	<10	<10								<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/9/2024		<10.0								<10.0												
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/10/2024						<10.0			<10.0													
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/14/2024																		<10.0	<10.0		<10.0	
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/15/2024																				<10.0		<10.0
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/23/2025	<10.0										<10.0					<10.0						
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/24/2025													<10.0									
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/30/2025		<10.0							<10.0													
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/5/2025						<10.0																
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/6/2025										<10.0		<10.0										
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/7/2025				<10.0													<10.0	<10.0	<10.0	<10.0		
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/8/2025			<10.0		<10.0																	
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/9/2025							<10.0	<10.0													<10.0	<10.0
4-Nitroaniline	100-01-6	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
4-Nitroaniline	100-01-6	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
4-Nitroaniline	100-01-6	ug/L	4/4/2011									<10					<10	<10							
4-Nitroaniline	100-01-6	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
4-Nitroaniline	100-01-6	ug/L	6/2/2014																					<10.1	
4-Nitroaniline	100-01-6	ug/L	10/15/2014																					<10	
4-Nitroaniline	100-01-6	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
4-Nitroaniline	100-01-6	ug/L	4/4/2016									<10					<10	<10							
4-Nitroaniline	100-01-6	ug/L	5/1/2018																		<10.4	<10.3			
4-Nitroaniline	100-01-6	ug/L	5/2/2018																				<10.4	<10.5	<10.4
4-Nitroaniline	100-01-6	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
4-Nitroaniline	100-01-6	ug/L	6/24/2020		<10.4																				
4-Nitroaniline	100-01-6	ug/L	10/20/2021		<8							<8					<8	<8							
4-Nitroaniline	100-01-6	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
4-Nitroaniline	100-01-6	ug/L	4/23/2025	<10.4										<10.4					<10.4						
4-Nitroaniline	100-01-6	ug/L	4/24/2025													<10.4									
4-Nitroaniline	100-01-6	ug/L	5/5/2025						<10.2																
4-Nitroaniline	100-01-6	ug/L	5/6/2025										<10.4		<10.6										
4-Nitroaniline	100-01-6	ug/L	5/7/2025				<10.2													<10.6					
4-Nitroaniline	100-01-6	ug/L	5/8/2025			<9.80		<10.6																	
4-Nitrophenol	100-02-7	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
4-Nitrophenol	100-02-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
4-Nitrophenol	100-02-7	ug/L	4/4/2011									<10					<10	<10							
4-Nitrophenol	100-02-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
4-Nitrophenol	100-02-7	ug/L	6/2/2014																					<10.1	
4-Nitrophenol	100-02-7	ug/L	10/15/2014																					<10	
4-Nitrophenol	100-02-7	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
4-Nitrophenol	100-02-7	ug/L	4/4/2016									<10					<10	<10							
4-Nitrophenol	100-02-7	ug/L	5/1/2018																		<10.4	<10.3			
4-Nitrophenol	100-02-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
4-Nitrophenol	100-02-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
4-Nitrophenol	100-02-7	ug/L	6/24/2020		<10.4																				
4-Nitrophenol	100-02-7	ug/L	10/20/2021		<8							<8					<8	<8							
4-Nitrophenol	100-02-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
4-Nitrophenol	100-02-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
4-Nitrophenol	100-02-7	ug/L	4/24/2025													<10.4									
4-Nitrophenol	100-02-7	ug/L	5/5/2025						<10.2																
4-Nitrophenol	100-02-7	ug/L	5/6/2025										<10.4		<10.6										
4-Nitrophenol	100-02-7	ug/L	5/7/2025				<10.2													<10.6					
4-Nitrophenol	100-02-7	ug/L	5/8/2025			<9.80		<10.6																	
5-Nitro-o-toluidine	99-55-8	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
5-Nitro-o-toluidine	99-55-8	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
5-Nitro-o-toluidine	99-55-8	ug/L	4/4/2011									<10					<10	<10							
5-Nitro-o-toluidine	99-55-8	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
5-Nitro-o-toluidine	99-55-8	ug/L	6/2/2014																					<10.1	
5-Nitro-o-toluidine	99-55-8	ug/L	10/15/2014																					<10	
5-Nitro-o-toluidine	99-55-8	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
5-Nitro-o-toluidine	99-55-8	ug/L	4/4/2016									<10					<10	<10							
5-Nitro-o-toluidine	99-55-8	ug/L	5/1/2018																		<10.4	<10.3			
5-Nitro-o-toluidine	99-55-8	ug/L	5/2/2018																				<10.4	<10.5	<10.4

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
5-Nitro-o-toluidine	99-55-8	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
5-Nitro-o-toluidine	99-55-8	ug/L	6/24/2020		<10.4																				
5-Nitro-o-toluidine	99-55-8	ug/L	10/20/2021		<8							<8					<8	<8							
5-Nitro-o-toluidine	99-55-8	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
5-Nitro-o-toluidine	99-55-8	ug/L	4/23/2025	<10.4										<10.4					<10.4						
5-Nitro-o-toluidine	99-55-8	ug/L	4/24/2025													<10.4									
5-Nitro-o-toluidine	99-55-8	ug/L	5/5/2025						<10.2																
5-Nitro-o-toluidine	99-55-8	ug/L	5/6/2025										<10.4		<10.6										
5-Nitro-o-toluidine	99-55-8	ug/L	5/7/2025				<10.2													<10.6					
5-Nitro-o-toluidine	99-55-8	ug/L	5/8/2025			<9.80		<10.6																	
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	4/23/2025	<10.4										<10.4					<10.4						
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	4/24/2025													<10.4									
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	5/5/2025						<10.2																
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	5/6/2025										<10.4		<10.6										
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	5/7/2025				<10.2													<10.6					
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	5/8/2025			<9.80		<10.6																	
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	4/4/2011									<10					<10	<10							
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	6/2/2014																					<10.1	
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	10/15/2014																					<10	
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	4/4/2016									<10					<10	<10							
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	5/1/2018																		<10.4	<10.3			
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	5/2/2018																				<10.4	<10.5	<10.4
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	6/24/2020		<10.4																				
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	10/20/2021		<8							<8					<8	<8							
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Acenaphthene	83-32-9	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Acenaphthene	83-32-9	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Acenaphthene	83-32-9	ug/L	4/4/2011									<10					<10	<10							
Acenaphthene	83-32-9	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Acenaphthene	83-32-9	ug/L	6/2/2014																					<10.1	
Acenaphthene	83-32-9	ug/L	10/15/2014																					<10	
Acenaphthene	83-32-9	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Acenaphthene	83-32-9	ug/L	4/4/2016									<10					<10	<10							
Acenaphthene	83-32-9	ug/L	5/1/2018																		<10.4	<10.3			
Acenaphthene	83-32-9	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Acenaphthene	83-32-9	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Acenaphthene	83-32-9	ug/L	6/24/2020		<10.4																				
Acenaphthene	83-32-9	ug/L	10/20/2021		<8							<8					<8	<8							
Acenaphthene	83-32-9	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Acenaphthene	83-32-9	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Acenaphthene	83-32-9	ug/L	4/24/2025													<10.4									
Acenaphthene	83-32-9	ug/L	5/5/2025						<10.2																
Acenaphthene	83-32-9	ug/L	5/6/2025										<10.4		<10.6										
Acenaphthene	83-32-9	ug/L	5/7/2025				<10.2													<10.6					
Acenaphthene	83-32-9	ug/L	5/8/2025			<9.80		<10.6																	
Acenaphthylene	208-96-8	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Acenaphthylene	208-96-8	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Acenaphthylene	208-96-8	ug/L	4/4/2011									<10					<10	<10							
Acenaphthylene	208-96-8	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Acenaphthylene	208-96-8	ug/L	6/2/2014																					<10.1	
Acenaphthylene	208-96-8	ug/L	10/15/2014																					<10	
Acenaphthylene	208-96-8	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Acenaphthylene	208-96-8	ug/L	4/4/2016									<10					<10	<10							
Acenaphthylene	208-96-8	ug/L	5/1/2018																		<10.4	<10.3			
Acenaphthylene	208-96-8	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Acenaphthylene	208-96-8	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Acenaphthylene	208-96-8	ug/L	6/24/2020		<10.4																				
Acenaphthylene	208-96-8	ug/L	10/20/2021		<8							<8					<8	<8							
Acenaphthylene	208-96-8	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Acenaphthylene	208-96-8	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Acenaphthylene	208-96-8	ug/L	4/24/2025													<10.4									
Acenaphthylene	208-96-8	ug/L	5/5/2025						<10.2																
Acenaphthylene	208-96-8	ug/L	5/6/2025										<10.4		<10.6										
Acenaphthylene	208-96-8	ug/L	5/7/2025				<10.2													<10.6					
Acenaphthylene	208-96-8	ug/L	5/8/2025			<9.80		<10.6																	
Acetone	67-64-1	ug/L	2/27/2008	<10		<10	<10	<10	<10	<10															
Acetone	67-64-1	ug/L	5/12/2008	<10		<10	<10	<10	<10	<10															
Acetone	67-64-1	ug/L	7/13/2008	<10		<10	<10	<10	<10	<10															
Acetone	67-64-1	ug/L	9/14/2008	<10		<10	<10	<10	<10	<10															
Acetone	67-64-1	ug/L	11/17/2008	<10		<10	<10	<10	<10	<10															
Acetone	67-64-1	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Acetone	67-64-1	ug/L	7/7/2009										<10	<10	<10	<10			<10	<10					
Acetone	67-64-1	ug/L	9/2/2009										<10	<10	<10	<10			<10	<10					
Acetone	67-64-1	ug/L	10/25/2009	<10		19.3	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Acetone	67-64-1	ug/L	1/2/2010										<10	<10	<10	<10			<10	<10					
Acetone	67-64-1	ug/L	3/3/2010									<10	<10	<10	<10	<10	<10	<10	<10	<10					
Acetone	67-64-1	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
Acetone	67-64-1	ug/L	7/8/2010							<10		<10					<10	<10							
Acetone	67-64-1	ug/L	9/13/2010							<10		<10					<10	<10							
Acetone	67-64-1	ug/L	11/1/2010	<10		<10		<10	<10	<10			<10	<10	<10	<10									
Acetone	67-64-1	ug/L	1/10/2011							<10		<10					<10	<10							
Acetone	67-64-1	ug/L	4/4/2011							<10		<10					<10	<10							

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Acetone	67-64-1	ug/L	10/13/2011	<10		<10		<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10						
Acetone	67-64-1	ug/L	12/5/2011				<10													<10					
Acetone	67-64-1	ug/L	4/11/2012	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
Acetone	67-64-1	ug/L	6/25/2012					<10		<10															
Acetone	67-64-1	ug/L	8/1/2012							<10	<10										<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/11/2012	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	12/13/2012								<10										<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	2/4/2013								<10										<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	3/30/2013	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	7/10/2013																		<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/7/2013	<10		<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	6/2/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/15/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	4/6/2015	<10		<10; 2.28J	3.08J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	2.47J	1.83J	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/5/2015	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	4/4/2016	<10		<10	<10	<10	<10	<10	1.84J	<10	<10	<10	<10	2.44J	6.58J	<10	2.32J	1.93J	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/17/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	4/17/2017	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/11/2017	2.34J		3.25J	3.45J	2.73J	3.38J	<10	2.72J	6.08J	3.34J	<10	4.28J	7.29J	5.99J	2.89J	<10	3.93J	<10	3.9J	2.24J	4.27J	<10
Acetone	67-64-1	ug/L	4/20/2018											<10					<10	<10					
Acetone	67-64-1	ug/L	4/23/2018	<10								<10	<10		<10	<10	<10								
Acetone	67-64-1	ug/L	4/25/2018						1.87J																
Acetone	67-64-1	ug/L	4/30/2018			<10	<10	1.93J										5.92J							
Acetone	67-64-1	ug/L	5/1/2018								1.82J										<10	<10			
Acetone	67-64-1	ug/L	5/2/2018																				<10	<10	<10
Acetone	67-64-1	ug/L	10/16/2018	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	3.7J	<10	3.25J	3.16J	<10	<10	<10
Acetone	67-64-1	ug/L	4/16/2019	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/1/2019	3.93J	<10	<10	<10	<10	<10	<10	<10	<10	3.12J	<10	<10	<10	3.78J	3.24J	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	6/24/2020		<10																				
Acetone	67-64-1	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	1/21/2021		<10																				
Acetone	67-64-1	ug/L	4/13/2021	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/20/2021		<10			<10	<10			<10	<10				<10	<10			<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	5/2/2022		<10			<10	<10	<10	<10	<10	<10								<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/14/2022		<10			<10	<10			<10	<10								<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/16/2023		<10			<10	<10			<10	<10								<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	4/29/2024		<10			<10	<10	<10	<10	<10	<10								<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/9/2024		<10.0								<10.0												
Acetone	67-64-1	ug/L	10/10/2024						<10.0			<10.0													
Acetone	67-64-1	ug/L	10/14/2024																		<10.0	<10.0		<10.0	
Acetone	67-64-1	ug/L	10/15/2024																				<10.0		<10.0
Acetone	67-64-1	ug/L	4/23/2025	<10.0										<10.0					<10.0						
Acetone	67-64-1	ug/L	4/24/2025													<10.0									
Acetone	67-64-1	ug/L	4/30/2025		<10.0							<10.0													
Acetone	67-64-1	ug/L	5/5/2025						<10.0				<10.0												
Acetone	67-64-1	ug/L	5/6/2025												<10.0										
Acetone	67-64-1	ug/L	5/7/2025				<10.0													<10.0	<10.0	<10.0	<10.0		
Acetone	67-64-1	ug/L	5/8/2025			<10.0		<10.0																	
Acetone	67-64-1	ug/L	5/9/2025							<10.0	<10.0													<10.0	<10.0
Acetonitrile	75-05-8	mg/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Acetonitrile	75-05-8	mg/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Acetonitrile	75-05-8	mg/L	4/4/2011									<10					<10	<10							
Acetonitrile	75-05-8	mg/L	7/10/2013																		<10	<10	<10	<10	<10
Acetonitrile	75-05-8	mg/L	10/5/2015	<10		<10	<10	<10	<10				<10	<10	<10	<10			<10	<10					
Acetonitrile	75-05-8	mg/L	4/4/2016									<10					<10	<10							
Acetonitrile	75-05-8	mg/L	5/1/2018																		<10	<10			
Acetonitrile	75-05-8	mg/L	5/2/2018																				<10	<10	<10
Acetonitrile	75-05-8	mg/L	3/30/2020	0.571J		<10	<10	<10	<10				<10	<10	<10	<10			<10	0.623J					
Acetonitrile	75-05-8	mg/L	6/24/2020		0.439J																				
Acetonitrile	75-05-8	mg/L	10/20/2021		<0.01							<0.01					<0.01	<0.01							
Acetonitrile	75-05-8	mg/L	5/1/2023																		<10	<10	<10	<10	<10
Acetonitrile	75-05-8	mg/L	4/23/2025	<10.0										<10.0					<10.0						
Acetonitrile	75-05-8	mg/L	4/24/2025													<10.0									
Acetonitrile	75-05-8	mg/L	5/5/2025						<10.0																
Acetonitrile	75-05-8	mg/L	5/6/2025										<10.0		<10.0										
Acetonitrile	75-05-8	mg/L	5/7/2025				<10.0													<10.0					
Acetonitrile	75-05-8	mg/L	5/8/2025			<10.0		<10.0																	
Acetophenone	98-86-2	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Acetophenone	98-86-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Acetophenone	98-86-2	ug/L	4/4/2011									<10					<10	<10							
Acetophenone	98-86-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Acetophenone	98-86-2	ug/L	6/2/2014																					<10.1	
Acetophenone	98-86-2	ug/L	10/15/2014																					<10	
Acetophenone	98-86-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Acetophenone	98-86-2	ug/L	4/4/2016									<10					<10	<10							
Acetophenone	98-86-2	ug/L	5/1/2018																		<10.4	<10.3			
Acetophenone	98-86-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Acetophenone	98-86-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Acetophenone	98-86-2	ug/L	6/24/2020		<10.4																				
Acetophenone	98-86-2	ug/L	10/20/2021		<8							<8					<8	<8							
Acetophenone	98-86-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Acetophenone	98-86-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Acetophenone	98-86-2	ug/L	4/24/2025													<10.4									
Acetophenone	98-86-2	ug/L	5/5/2025						<10.2																
Acetophenone	98-86-2	ug/L	5/6/2025										<10.4		<10.6										

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Acetophenone	98-86-2	ug/L	5/7/2025				<10.2													<10.6					
Acetophenone	98-86-2	ug/L	5/8/2025			<9.80		<10.6																	
Acrolein	107-02-8	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Acrolein	107-02-8	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Acrolein	107-02-8	ug/L	4/4/2011									<10					<10	<10							
Acrolein	107-02-8	ug/L	10/11/2012								<10														
Acrolein	107-02-8	ug/L	7/10/2013																		<10	<10	<10	<10	<10
Acrolein	107-02-8	ug/L	10/5/2015	<10		<10	<10	<10	<10				<10	<10	<10	<10			<10	<10					
Acrolein	107-02-8	ug/L	4/4/2016									<10					<10	<10							
Acrolein	107-02-8	ug/L	5/1/2018																		<10	<10			
Acrolein	107-02-8	ug/L	5/2/2018																				<10	<10	<10
Acrolein	107-02-8	ug/L	3/30/2020	<10		<10	<10	<10	<10				<10	<10	<10	<10			<10	<10					
Acrolein	107-02-8	ug/L	6/24/2020		<10																				
Acrolein	107-02-8	ug/L	10/20/2021		<10							<10					<10	<10							
Acrolein	107-02-8	ug/L	5/1/2023																		<10	<10	<10	<10	<10
Acrolein	107-02-8	ug/L	4/23/2025	<10.0										<10.0					<10.0						
Acrolein	107-02-8	ug/L	4/24/2025													<10.0									
Acrolein	107-02-8	ug/L	5/5/2025						<10.0																
Acrolein	107-02-8	ug/L	5/6/2025										<10.0		<10.0										
Acrolein	107-02-8	ug/L	5/7/2025				<10.0													<10.0					
Acrolein	107-02-8	ug/L	5/8/2025			<10.0		<10.0																	
Acrylonitrile	107-13-1	ug/L	2/27/2008	<10		<10	<10	<10	<10	<10															
Acrylonitrile	107-13-1	ug/L	5/12/2008	<10		<10	<10	<10	<10	<10															
Acrylonitrile	107-13-1	ug/L	7/13/2008	<10		<10	<10	<10	<10	<10															
Acrylonitrile	107-13-1	ug/L	9/14/2008	<10		<10	<10	<10	<10	<10															
Acrylonitrile	107-13-1	ug/L	11/17/2008	<10		<10	<10	<10	<10	<10															
Acrylonitrile	107-13-1	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Acrylonitrile	107-13-1	ug/L	7/7/2009										<10	<10	<10	<10			<10	<10					
Acrylonitrile	107-13-1	ug/L	9/2/2009										<10	<10	<10	<10			<10	<10					
Acrylonitrile	107-13-1	ug/L	10/25/2009	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Acrylonitrile	107-13-1	ug/L	1/2/2010										<10	<10	<10	<10			<10	<10					
Acrylonitrile	107-13-1	ug/L	3/3/2010									<10	<10	<10	<10	<10	<10	<10	<10	<10					
Acrylonitrile	107-13-1	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
Acrylonitrile	107-13-1	ug/L	7/8/2010									<10					<10	<10							
Acrylonitrile	107-13-1	ug/L	9/13/2010									<10					<10	<10							
Acrylonitrile	107-13-1	ug/L	11/1/2010	<10		<10		<10	<10	<10			<10	<10	<10	<10									
Acrylonitrile	107-13-1	ug/L	1/10/2011									<10					<10	<10							
Acrylonitrile	107-13-1	ug/L	4/4/2011									<10					<10	<10							
Acrylonitrile	107-13-1	ug/L	10/13/2011	<10		<10		<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10						
Acrylonitrile	107-13-1	ug/L	12/5/2011				<10													<10					
Acrylonitrile	107-13-1	ug/L	4/11/2012	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
Acrylonitrile	107-13-1	ug/L	6/25/2012					<10		<10															
Acrylonitrile	107-13-1	ug/L	8/1/2012							<10	<10										<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	10/11/2012	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	12/13/2012								<10										<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	2/4/2013								<10										<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	3/30/2013	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	7/10/2013																		<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	10/7/2013	<10		<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	6/2/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	10/15/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	4/6/2015	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	10/5/2015	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	4/4/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	10/17/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	4/17/2017	4.15J		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/11/2017	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	4/20/2018											<5					<5	<5					
Acrylonitrile	107-13-1	ug/L	4/23/2018	<5								<5	<5		<5	<5	<5								
Acrylonitrile	107-13-1	ug/L	4/25/2018						<5																
Acrylonitrile	107-13-1	ug/L	4/30/2018			<5	<5	<5										<5							
Acrylonitrile	107-13-1	ug/L	5/1/2018								<5										<5	<5			
Acrylonitrile	107-13-1	ug/L	5/2/2018																				<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/16/2018	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	4/16/2019	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	6/24/2020		<5																				
Acrylonitrile	107-13-1	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	1/21/2021		<5																				
Acrylonitrile	107-13-1	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/20/2021		<5			<5	<5			<5	<5				<5	<5			<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	5/2/2022		<5			<5	<5	<5	<5	<5	<5								<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/14/2022		<5			<5	<5			<5	<5								<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/16/2023		<5			<5	<5			<5	<5								<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	4/29/2024		<5			<5	<5	<5	<5	<5	<5								<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/9/2024		<5.00								<5.00												
Acrylonitrile	107-13-1	ug/L	10/10/2024						<5.00			<5.00													
Acrylonitrile	107-13-1	ug/L	10/14/2024																		<5.00	<5.00		<5.00	
Acrylonitrile	107-13-1	ug/L	10/15/2024																				<5.00		<5.00
Acrylonitrile	107-13-1	ug/L	4/23/2025	<5.00										<5.00					<5.00						
Acrylonitrile	107-13-1	ug/L	4/24/2025													<5.00									
Acrylonitrile	107-13-1	ug/L	4/30/2025		<5.00							<5.00													
Acrylonitrile	107-13-1	ug/L	5/5/2025						<5.00																
Acrylonitrile	107-13-1	ug/L	5/6/2025										<5.00		<5.00										
Acrylonitrile	107-13-1	ug/L	5/7/2025				<5.00													<5.00	<5.00	<5.00	<5.00		

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Acrylonitrile	107-13-1	ug/L	5/8/2025			<5.00		<5.00																	
Acrylonitrile	107-13-1	ug/L	5/9/2025							<5.00	<5.00													<5.00	<5.00
Aldrin	309-00-2	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
Aldrin	309-00-2	ug/L	10/25/2009							<0.032															
Aldrin	309-00-2	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
Aldrin	309-00-2	ug/L	4/4/2011									<0.032					<0.032	<0.032							
Aldrin	309-00-2	ug/L	10/11/2012								<0.032														
Aldrin	309-00-2	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
Aldrin	309-00-2	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	<0.033			<0.0348	<0.0323					
Aldrin	309-00-2	ug/L	4/4/2016									<0.032					<0.032	<0.032							
Aldrin	309-00-2	ug/L	5/1/2018																		<0.0333	<0.0323			
Aldrin	309-00-2	ug/L	5/2/2018																				<0.0337	0.00705J	<0.0333
Aldrin	309-00-2	ug/L	3/30/2020	<0.0333		<0.00474	<0.0333	<0.0344	<0.0337				<0.00474	<0.0333	<0.0333	<0.0333			<0.033	<0.033					
Aldrin	309-00-2	ug/L	6/24/2020		<0.0337																				
Aldrin	309-00-2	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Aldrin	309-00-2	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
Aldrin	309-00-2	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
Aldrin	309-00-2	ug/L	4/24/2025													<0.0921									
Aldrin	309-00-2	ug/L	5/5/2025						<0.0895																
Aldrin	309-00-2	ug/L	5/6/2025										<0.0907		<0.0902										
Aldrin	309-00-2	ug/L	5/7/2025				<0.0907													<0.0904					
Aldrin	309-00-2	ug/L	5/8/2025			<0.0882		<0.0904																	
Alkalinity, Phenol [CaCO3]	PALK	mg/L	6/2/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity, Phenol [CaCO3]	PALK	mg/L	10/15/2014	<5			<5		<5			<5	<5	<5	<5	<5	<5		<5	<5					
Alkalinity, Total [CaCO3]	TALK	mg/L	6/2/2014	537		351	557	346	206	330	341	449	480	263	464	392	604	454	433	439	464	129	377	439	402
Alkalinity, Total [CaCO3]	TALK	mg/L	10/15/2014	508		356	707	356	186	320	341	459	429	258	490	356	697	485	423	454	475	119	382	449	402
Allyl Chloride	107-05-1	ug/L	4/14/2009	<2		<2	<2	<2	<2	<2															
Allyl Chloride	107-05-1	ug/L	5/10/2010	<2		<2	<2	<2	<2	<2			<2	<2	<2	<2			<2	<2					
Allyl Chloride	107-05-1	ug/L	4/4/2011									<5					<5	<10							
Allyl Chloride	107-05-1	ug/L	10/11/2012								<2														
Allyl Chloride	107-05-1	ug/L	7/10/2013																		<2	<2	<2	<2	<2
Allyl Chloride	107-05-1	ug/L	10/5/2015	<2		<2	<2	<2	<2				<2	<2	<2	<2			<2	<2					
Allyl Chloride	107-05-1	ug/L	4/4/2016									<2					<2	<2							
Allyl Chloride	107-05-1	ug/L	5/1/2018																		<2	<2			
Allyl Chloride	107-05-1	ug/L	5/2/2018																				<2	<2	<2
Allyl Chloride	107-05-1	ug/L	3/30/2020	<2		<2	<2	<2	<2				<2	<2	<2	<2			<2	<2					
Allyl Chloride	107-05-1	ug/L	6/24/2020		<2																				
Allyl Chloride	107-05-1	ug/L	10/20/2021		<1							<1					<1	<1							
Allyl Chloride	107-05-1	ug/L	5/1/2023																		<2	<2	<2	<2	<2
Allyl chloride	107-05-1	ug/L	4/23/2025	<2.00										<2.00					<2.00						
Allyl chloride	107-05-1	ug/L	4/24/2025													<2.00									
Allyl chloride	107-05-1	ug/L	5/5/2025						<2.00																
Allyl chloride	107-05-1	ug/L	5/6/2025										<2.00		<2.00										
Allyl chloride	107-05-1	ug/L	5/7/2025				<2.00													<2.00					
Allyl chloride	107-05-1	ug/L	5/8/2025			<2.00		<2.00																	
Alpha-BHC	319-84-6	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
Alpha-BHC	319-84-6	ug/L	10/25/2009							<0.032															
Alpha-BHC	319-84-6	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
Alpha-BHC	319-84-6	ug/L	7/8/2010							<0.032															
Alpha-BHC	319-84-6	ug/L	4/4/2011									<0.032					<0.032	<0.032							
Alpha-BHC	319-84-6	ug/L	10/11/2012								<0.032														
Alpha-BHC	319-84-6	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
Alpha-BHC	319-84-6	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	0.002J			<0.0348	<0.0323					
Alpha-BHC	319-84-6	ug/L	4/4/2016									<0.032					0.00742J	<0.032							
Alpha-BHC	319-84-6	ug/L	5/1/2018																		<0.0333	<0.0323			
Alpha-BHC	319-84-6	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
Alpha-BHC	319-84-6	ug/L	3/30/2020	<0.0333		0.00448J	0.0021J	0.00194J	<0.0337				<0.0337	<0.0333	<0.0333	<0.0333			<0.033	<0.033					
Alpha-BHC	319-84-6	ug/L	6/24/2020		0.00497J																				
Alpha-BHC	319-84-6	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Alpha-BHC	319-84-6	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
Alpha-Chlordane	5103-71-9	ug/L	5/10/2010			<0.032		<0.032		<0.032									<0.032						
Ammonia as N	7664-41-7	mg/L	4/6/2015	<0.2		<0.2	0.131J	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	3.13	<0.2	<0.2	0.087J	<0.2	<0.2	<0.2	<0.2	<0.2
Ammonia as N	7664-41-7	mg/L	10/5/2015	<0.2		<0.2	0.279	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.101J	3.98	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ammonia as N	7664-41-7	mg/L	4/4/2016	<0.2		<0.2	0.121J	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	3.93	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ammonia as N	7664-41-7	mg/L	10/17/2016	<0.2		0.303	0.157J	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	2.57	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Anthracene	120-12-7	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Anthracene	120-12-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Anthracene	120-12-7	ug/L	4/4/2011									<10					<10	<10							
Anthracene	120-12-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Anthracene	120-12-7	ug/L	6/2/2014																					<10.1	
Anthracene	120-12-7	ug/L	10/15/2014																					<10	
Anthracene	120-12-7	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Anthracene	120-12-7	ug/L	4/4/2016									<10					<10	<10							
Anthracene	120-12-7	ug/L	5/1/2018																		<10.4	<10.3			
Anthracene	120-12-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Anthracene	120-12-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Anthracene	120-12-7	ug/L	6/24/2020		<10.4																				
Anthracene	120-12-7	ug/L	10/20/2021		<8							<8					<8	<8							
Anthracene	120-12-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Anthracene	120-12-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Anthracene	120-12-7	ug/L	4/24/2025													<10.4									
Anthracene	120-12-7	ug/L	5/5/2025						<10.2																
Anthracene	120-12-7	ug/L	5/6/2025										<10.4		<10.6										
Anthracene	120-12-7	ug/L	5/7/2025				<10.2													<10.6					
Anthracene	120-12-7	ug/L	5/8/2025			<9.80		<10.6																	
Antimony	7440-36-0	mg/L	2/27/2008	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006															
Antimony	7440-36-0	mg/L	5/12/2008	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006															

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Antimony	7440-36-0	mg/L	7/13/2008	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006															
Antimony	7440-36-0	mg/L	9/14/2008	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006															
Antimony	7440-36-0	mg/L	11/17/2008	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006															
Antimony	7440-36-0	mg/L	4/14/2009	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006															
Antimony	7440-36-0	mg/L	7/7/2009										<0.006	<0.006	<0.006	<0.006			<0.006	<0.006					
Antimony	7440-36-0	mg/L	9/2/2009										<0.006	<0.006	<0.006	<0.006			<0.006	<0.006					
Antimony	7440-36-0	mg/L	10/25/2009	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006			<0.006	<0.006	<0.006	<0.006			<0.006	<0.006					
Antimony	7440-36-0	mg/L	1/2/2010										<0.006	<0.006	<0.006	<0.006			<0.006	<0.006					
Antimony	7440-36-0	mg/L	3/3/2010									<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006					
Antimony	7440-36-0	mg/L	5/10/2010	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002					
Antimony	7440-36-0	mg/L	7/8/2010									<0.006					<0.006	<0.006							
Antimony	7440-36-0	mg/L	9/13/2010									<0.006					0.00656	0.0145							
Antimony	7440-36-0	mg/L	11/1/2010	<0.006		<0.006		<0.006	<0.006	<0.006			<0.006	<0.006	<0.006	<0.006									
Antimony	7440-36-0	mg/L	1/10/2011									<0.006					<0.006	<0.006							
Antimony	7440-36-0	mg/L	4/4/2011							<0.006		<0.006					<0.006	<0.006							
Antimony	7440-36-0	mg/L	7/8/2011							<0.006							<0.006	<0.006							
Antimony	7440-36-0	mg/L	8/11/2011							<0.006							<0.006	<0.006							
Antimony	7440-36-0	mg/L	10/13/2011	<0.006		<0.006		<0.006	<0.006	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006						
Antimony	7440-36-0	mg/L	12/5/2011				<0.006			<0.006							<0.006	<0.006		<0.006					
Antimony	7440-36-0	mg/L	4/11/2012	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006					
Antimony	7440-36-0	mg/L	6/25/2012					<0.012		<0.006															
Antimony	7440-36-0	mg/L	8/1/2012							<0.006	<0.006										<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	10/11/2012	<0.012		<0.012	<0.012	<0.012	<0.012		<0.012	<0.012		<0.012	<0.012	<0.006	<0.018	<0.012	<0.012	<0.012	<0.024	<0.006	<0.012	<0.012	<0.012
Antimony	7440-36-0	mg/L	12/13/2012								<0.006										<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	2/4/2013								<0.006										<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	3/30/2013	<0.006		<0.006	<0.006	<0.006	<0.006		<0.006	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	7/10/2013																		<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	10/7/2013	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	6/2/2014	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	10/15/2014	<0.006		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	4/6/2015	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000163J	<0.001	<0.001	<0.001	<0.001	<0.001	0.000257J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	10/5/2015	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000554J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	4/4/2016	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000324J	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	10/17/2016	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	4/17/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000384J	0.000249J	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	10/11/2017	<0.001		<0.001	0.00027J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	4/20/2018											<0.001					<0.001	<0.001					
Antimony	7440-36-0	mg/L	4/23/2018	<0.001								<0.001	<0.001		0.000676J	<0.001	<0.001								
Antimony	7440-36-0	mg/L	4/25/2018						<0.001		<0.001														
Antimony	7440-36-0	mg/L	4/30/2018			<0.001	<0.001	<0.001										<0.001							
Antimony	7440-36-0	mg/L	5/1/2018																		<0.001	<0.001			
Antimony	7440-36-0	mg/L	5/2/2018																				<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	10/16/2018	<0.003		<0.001	<0.001	<0.001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.001	<0.003	<0.003	0.000882J	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	4/16/2019	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00101	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	10/1/2019	<0.001	0.00167	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000555J	<0.001	0.000743J	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	3/30/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	6/24/2020		<0.001																				
Antimony	7440-36-0	mg/L	10/7/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	1/21/2021		<0.002																				
Antimony	7440-36-0	mg/L	4/13/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	10/20/2021		<0.002				<0.002				<0.002					<0.002	<0.002			<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	5/2/2022						<0.002		<0.002	<0.002										<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	10/14/2022						<0.002													<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	5/1/2023						<0.002		<0.002	<0.002										<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	10/16/2023						<0.002													<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	4/29/2024						<0.002		<0.002	<0.002										<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	10/14/2024																			<0.00200	<0.00200		<0.00200	
Antimony	7440-36-0	mg/L	10/15/2024																					<0.00200		<0.00200
Antimony	7440-36-0	mg/L	4/23/2025	<0.00200										<0.00200					<0.00200						
Antimony	7440-36-0	mg/L	4/24/2025													<0.00200									
Antimony	7440-36-0	mg/L	5/5/2025						0.00105																
Antimony	7440-36-0	mg/L	5/6/2025										<0.00200		<0.00200										
Antimony	7440-36-0	mg/L	5/7/2025				<0.00200													0.00141	<0.00200	<0.00200	<0.00200		
Antimony	7440-36-0	mg/L	5/8/2025			<0.00200		<0.00200																	
Antimony	7440-36-0	mg/L	5/9/2025							<0.00200	<0.00200													<0.00200	<0.00200
Arsenic	7440-38-2	mg/L	2/27/2008	0.004		0.002	0.005	0.008	0.003	0.001															
Arsenic	7440-38-2	mg/L	5/12/2008	<0.001		0.003	0.001	<0.001	0.001	0.002															
Arsenic	7440-38-2	mg/L	7/13/2008	0.004		0.005	0.003	<0.001	<0.001	0.001															
Arsenic	7440-38-2	mg/L	9/14/2008	0.001		0.002	<0.001	<0.001	0.001	<0.001															
Arsenic	7440-38-2	mg/L	11/17/2008	<0.001		<0.001	0.00126	<0.001	<0.001	<0.001															
Arsenic	7440-38-2	mg/L	4/14/2009	<0.001		<0.001	0.0013	<0.01	<0.001	<0.001															
Arsenic	7440-38-2	mg/L	7/7/2009				0.0012			<0.001			0.012	0.0028	0.0011	0.026			0.0032; 0.0044	0.0024					
Arsenic	7440-38-2	mg/L	9/2/2009				0.0021			0.0011			0.011	0.011	0.0012	0.076			0.0048	0.0026					
Arsenic	7440-38-2	mg/L	10/25/2009	0.0014		0.005	0.0024	<0.001	<0.001	<0.001			0.022	<0.001	0.0089	0.099; 0.095			0.0011	0.0014					
Arsenic	7440-38-2	mg/L	1/2/2010				0.0012			0.003			0.054	<0.001	<0.001	0.1; 0.11			0.0044	0.0052					
Arsenic	7440-38-2	mg/L	3/3/2010									0.026	0.025	0.0026	0.0057	0.084	0.029; 0.028	0.0063	0.004	0.0025					
Arsenic	7440-38-2	mg/L	5/10/2010	0.001		0.0082	0.0018	0.0011	<0.001	0.0023		0.0052	0.002	0.0011	0.0015	0.077	0.016	0.0046	0.0062	0.0032					
Arsenic	7440-38-2	mg/L	7/8/2010							0.0011		0.0057	0.011	0.004	<0.001	0.094	0.032	0.014	0.0047	0.0031					
Arsenic	7440-38-2	mg/L	9/13/2010							<0.001		0.012	0.0055	0.0086	0.001	0.103	0.065	0.015	0.0011	0.0042					
Arsenic	7440-38-2	mg/L	11/1/2010										0.019	<0.001	<0.001	<0.001									
Arsenic	7440-38-2	mg/L	1/10/2011							<0.001		<0.001	<0.001	<0.001	<0.001	0.0676	0.0522	<0.001							
Arsenic	7440-38-2	mg/L	4/4/2011									<0.001	0.016	<0.001	0.0019; 0.002	0.076	0.0398	<0.001	0.014						
Arsenic	7440-38-2	mg/L	7/8/2011							<0.001		0.0045					0.0217	0.0106							
Arsenic	7440-38-2	mg/L	8/11/2011							<0.001		0.0042					0.0492	0.009; 0.0108							
Arsenic	7440-38-2	mg/L	10/13/2011	<0.001		<0.001		<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	0.0876	0.0387	0.00201	0.00605						
Arsenic	7440-38-2	mg/L	12/5/2011				<0.001			<0.001		<0.001					0.0341	<0.001		0.00165					
Arsenic	7440-38-2	mg/L	2/6/2012							<0.001															

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Arsenic	7440-38-2	mg/L	4/11/2012	<0.001		<0.001	0.00123	<0.001	<0.002	<0.001		<0.002	<0.001	<0.001	<0.002	0.0872	0.0135	<0.001	<0.002	0.00375					
Arsenic	7440-38-2	mg/L	6/25/2012					<0.001		<0.001															
Arsenic	7440-38-2	mg/L	8/1/2012							<0.001	<0.001										0.00567	<0.001	<0.001	<0.001	0.00103
Arsenic	7440-38-2	mg/L	10/11/2012	<0.001		<0.002	0.00355	<0.001	<0.001		<0.001	<0.001		<0.001	<0.001	0.0863	0.134	<0.001	<0.001	0.00483	0.0162	<0.001	<0.001	<0.001	0.00148
Arsenic	7440-38-2	mg/L	12/13/2012								<0.001										0.0125	0.00782	0.00114	<0.001	0.00968
Arsenic	7440-38-2	mg/L	2/4/2013								<0.001										0.0118	<0.001	<0.001	<0.001	0.00222
Arsenic	7440-38-2	mg/L	3/30/2013	<0.001		<0.001	0.00126	0.00106	<0.001		<0.001	<0.001		<0.001	<0.001	0.0474	0.0145	<0.001	<0.001	0.00137	0.0061	<0.001	<0.001	<0.001	0.00109
Arsenic	7440-38-2	mg/L	7/10/2013																		0.00793	<0.001	<0.001	<0.001	0.00221
Arsenic	7440-38-2	mg/L	10/7/2013	<0.001		<0.001	<0.001	<0.001	<0.001	0.00334; <0.001	0.0222	<0.001	<0.001	<0.001	<0.001	0.0649	0.151	<0.001	<0.001	0.00241	0.00329	0.0063	<0.001	<0.001	<0.001
Arsenic	7440-38-2	mg/L	6/2/2014	0.000562J		0.000654J	0.0016	<0.001	<0.001	0.000485J	0.000261J	<0.001	0.000223J	<0.001	0.000346J	0.0244	0.0816	<0.001	<0.001	0.00325	0.00128	<0.001	0.000309J	0.000441J	<0.001
Arsenic	7440-38-2	mg/L	10/15/2014	<0.001		<0.001	0.00185	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0526	0.0417	<0.001	<0.001	0.00389	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	7440-38-2	mg/L	4/6/2015	<0.002		<0.002	0.00331	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0453	0.0512	<0.002	0.00153J	0.00513	<0.002	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	10/5/2015	<0.002		<0.002	0.00353	<0.002	<0.002	0.00585	<0.002	<0.002	0.00204	<0.002	<0.002	0.0807	0.0635	<0.002	<0.002	0.0049	<0.002	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	4/4/2016	0.000823J		<0.002	0.00591; 0.00878	0.000802J	<0.002	0.000896J	<0.002	<0.002	0.00388	<0.002	<0.002	0.0273	0.0841	0.00221	0.00113J	0.000886J	0.000758J	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	10/17/2016	<0.002		0.00137J	0.00636	0.00139J	<0.002	0.00259	0.000975J	<0.002	0.00582	<0.002	<0.002	0.0712	0.0331	0.00461	0.00188J	0.000688J	0.00296	0.00138J	0.00172J	0.00216	0.00221
Arsenic	7440-38-2	mg/L	4/17/2017	<0.002		<0.002	0.00283	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0538	0.00768	0.00174J	0.00121J	0.00168J	<0.002	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	10/11/2017	<0.002		<0.002	0.00488	<0.002	<0.002	0.00066J	<0.002	<0.002	0.00295	<0.002	<0.002	0.102	0.0296	0.00118J	<0.002	0.00121J	<0.002	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	4/20/2018											<0.002					<0.002	0.00242					
Arsenic	7440-38-2	mg/L	4/23/2018	<0.002								<0.002	0.000572J		0.00127J	0.0342	0.00503								
Arsenic	7440-38-2	mg/L	4/25/2018						0.000621J		<0.002														
Arsenic	7440-38-2	mg/L	4/30/2018			<0.002	0.00339	<0.002										0.000625J							
Arsenic	7440-38-2	mg/L	5/1/2018																		<0.002	<0.002			
Arsenic	7440-38-2	mg/L	5/2/2018																				<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	10/16/2018	0.00073J		<0.002	0.0045	<0.002	0.000378J	0.00194	0.0015	0.000877J	0.00147	0.000831J	0.00035J	0.0111	0.0129	0.00121J	0.000862J	0.00126	0.000629J	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	4/16/2019	<0.002		<0.002	0.0171	<0.002	<0.002	<0.002	<0.002	<0.002	0.00103J	<0.002	<0.002	0.0187	0.00497	0.0106	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	10/1/2019	<0.002	0.0011J	<0.002	0.00563	<0.002	0.000838J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.00912	0.0154	0.00559	<0.002	0.000956J	<0.002	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	3/30/2020	<0.002	0.00141J	<0.002	0.0217	<0.002	<0.002	0.000966J	<0.002	<0.002	<0.002	<0.002	<0.002	0.00521	0.0094	0.00382	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	6/24/2020		0.00157J																				
Arsenic	7440-38-2	mg/L	10/7/2020	<0.002	0.00107J	<0.002	0.00509	<0.002	<0.002	0.00315	<0.002	<0.002	<0.002	<0.002	<0.002	0.0689	0.00449	0.00208	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	1/21/2021		<0.004																				
Arsenic	7440-38-2	mg/L	4/13/2021	<0.004	0.0023J	<0.004	0.0188	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.0057	0.0091	0.002J	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Arsenic	7440-38-2	mg/L	10/20/2021		<0.004			<0.004	<0.004			<0.004	<0.004				0.0095	<0.004			<0.004	<0.004	<0.004	<0.004	<0.004
Arsenic	7440-38-2	mg/L	5/2/2022	<0.004	<0.004	0.0009J	0.0121	<0.004	0.0014J	<0.004	0.001J	<0.004	<0.004	0.001J	<0.004	0.0153	0.0088	0.0013J	0.0025J	0.002J	<0.004	<0.004	<0.004	<0.004	<0.004
Arsenic	7440-38-2	mg/L	10/14/2022		0.0015J		0.0072	0.0013J; 0.0012J	0.0014J			0.0012J	0.006								0.0018J	0.0012J	0.0013J	0.001J	0.0009J
Arsenic	7440-38-2	mg/L	5/1/2023	<0.002	<0.002	<0.002	0.00893	<0.002	0.00121J; 0.00131J	<0.002	<0.002	0.00066J	<0.002	0.000766J	<0.002	0.0129	0.00543	0.000878J	0.000956J	0.000875J	<0.002	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	10/16/2023		0.000564J		0.00827	0.000643J	0.000631J			<0.002	<0.002								0.000789J	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	4/29/2024	<0.002	<0.002	<0.002	0.00519	<0.002	<0.002	0.000549J	<0.002	<0.002	<0.002	<0.002	<0.002	0.00251	0.00574	0.000768J	<0.002	0.000593J	<0.002	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	10/9/2024		<0.00200								<0.00200												
Arsenic	7440-38-2	mg/L	10/10/2024						0.00111J			<0.00200													
Arsenic	7440-38-2	mg/L	10/14/2024																		<0.00200	<0.00200		<0.00200	
Arsenic	7440-38-2	mg/L	10/15/2024				0.0104																<0.00200		<0.00200
Arsenic	7440-38-2	mg/L	4/23/2025	<0.00200										<0.00200					<0.00200						
Arsenic	7440-38-2	mg/L	4/24/2025													0.00383	0.00232								
Arsenic	7440-38-2	mg/L	4/30/2025		<0.00200							<0.00200													
Arsenic	7440-38-2	mg/L	5/5/2025						<0.00200																
Arsenic	7440-38-2	mg/L	5/6/2025										<0.00200		<0.00200										
Arsenic	7440-38-2	mg/L	5/7/2025				0.0180													0.000938	<0.00200	<0.00200	<0.00200			
Arsenic	7440-38-2	mg/L	5/8/2025			<0.00200		<0.00200																	
Arsenic	7440-38-2	mg/L	5/9/2025							0.000541	<0.00200							0.000614						<0.00200	<0.00200
Barium	7440-39-3	mg/L	2/27/2008	0.408		0.286	0.405	0.131	0.22	0.151															
Barium	7440-39-3	mg/L	5/12/2008	0.38		0.337	0.333	0.0792	0.131	0.125															
Barium	7440-39-3	mg/L	7/13/2008	0.462		0.362	0.323	0.0761	0.129	0.161															
Barium	7440-39-3	mg/L	9/14/2008	0.375		0.36	0.313	0.0832	0.205	0.184															
Barium	7440-39-3	mg/L	11/17/2008	0.456		0.373	0.356	0.0979	0.155	0.31															
Barium	7440-39-3	mg/L	4/14/2009	0.382		0.273	0.35	0.0783	0.121	0.151															
Barium	7440-39-3	mg/L	7/7/2009	0.16		0.276	0.345	0.0348	0.118	0.159			0.513	0.37	0.253	0.204			0.335; 0.279	0.289					
Barium	7440-39-3	mg/L	9/2/2009	0.366		0.467	0.369	0.0883	0.125	0.174			0.592	0.451	0.268	0.171			0.317	0.327					
Barium	7440-39-3	mg/L	10/25/2009	0.417		0.347	0.337	0.0919	0.123	0.173			1.01	0.362	0.349	0.171			0.219	0.366					
Barium	7440-39-3	mg/L	1/2/2010	0.4		0.292	0.329	0.0915	0.128	0.173			0.879	0.385	0.267	0.166			0.268	0.341					
Barium	7440-39-3	mg/L	3/3/2010									1.46	0.864	0.409	0.384	0.17	0.456	0.33	0.278	0.34					
Barium	7440-39-3	mg/L	5/10/2010	0.378		0.625	0.283	0.0817	0.11	0.156		0.502	0.391	0.311	0.235	0.153	0.275	0.341	0.406	0.338					
Barium	7440-39-3	mg/L	7/8/2010							0.154		0.485	0.569	0.347	0.239	0.157	0.336	0.363	0.311	0.298					
Barium	7440-39-3	mg/L	9/13/2010							0.161		0.49	0.603	0.4	0.235	0.167	0.566	0.492	0.169	0.354					
Barium	7440-39-3	mg/L	11/1/2010	0.446		0.296		0.0984	0.133	0.2			0.699	0.381	0.269	0.18									
Barium	7440-39-3	mg/L	1/10/2011							0.209		0.524	1.15	0.433	0.286	0.167	0.616	0.482							
Barium	7440-39-3	mg/L	4/4/2011							0.161		0.41	0.787	0.383	0.304	0.148	0.367	0.667	0.396						
Barium	7440-39-3	mg/L	7/8/2011							0.149		0.429					0.417	0.373							
Barium	7440-39-3	mg/L	8/11/2011							0.196		0.491					0.614	0.379							
Barium	7440-39-3	mg/L	10/13/2011	0.462		0.302		0.0988	0.147	0.232		0.457	0.464	0.377	0.344	0.206	0.44	0.549	0.264						
Barium	7440-39-3	mg/L	12/5/2011				0.349			0.268		0.592					0.448	0.531		0.314					
Barium	7440-39-3	mg/L	2/6/2012							0.214															
Barium	7440-39-3	mg/L	4/11/2012	0.422		0.326	0.346	0.111	0.104	0.234		0.581	0.715	0.42	0.33	0.185	0.352	0.313	0.222	0.323					
Barium	7440-39-3	mg/L	6/25/2012					<0.01		0.251															
Barium	7440-39-3	mg/L	8/1/2012							0.251	0.255										0.635	0.268	0.255	0.35	0.364
Barium	7440-39-3	mg/L	10/11/2012	0.404		0.283	0.443	0.11	0.143		0.21	0.486		0.441	0.329	0.204	0.809	0.345	0.257	0.316	0.893	0.11	0.298	0.3	0.471
Barium	7440-39-3	mg/L	12/13/2012								0.183										0.654	0.616	0.302	0.35	1.85
Barium	7440-39-3	mg/L	2/4/2013								0.406										0.67	0.274	0.277	0.296	1.35
Barium	7440-39-3	mg/L	3/30/2013	0.456		0.295	0.345	0.149	0.12		0.186	0.561		0.45	0.395	0.155	0.378	0.304	0.239	0.229	0.906	0.118	0.276	0.311	0.559
Barium	7440-39-3	mg/L	7/10/2013																		1.42	0.106	0.208	0.199	0.335
Barium	7440-39-3	mg/L	10/7/2013	0.465		0.315	0.333	0.144	0.132	0.249; 0.38	0.806	0.68	0.554	0.361	0.349	0.191	1.02	0.336	0.254; 0.253	0.193	0.536	1.82	0.271; 0.275	0.396	0.349
Barium	7440-39-3	mg/L	6/2/2014	0.409		0.309	0.298	0.132	0.0926	0.173	0.194	0.585	0.407	0.415	0.282	0.148	0.456	0.214	0.303	0.103	0.26	0.0614	0.204	0.475	0.28
Barium	7440-39-3	mg/L	10/15/2014	0.477; 0.487		0.287	0.411	0.149	0.12	0.154	0.229	0.656	0.31	0.337	0.33	0.191	0.373	0.27	0.294	0.117	0.268	0.0663	0.213	0.471	0.262
Barium	7440-39-3	mg/L	4/6/2015	0.464		0.296; 0.304	0.389	0.146	0.12	0.196	0.224	0.742	0.23	0.383	0.312	0.181	0.536	0.293	0.392	0.132	0.281	0.0744	0.206	0.489	0.279
Barium	7440-39-3	mg/L	10/5/2015	0.532		0.316	0.392	0.161	0.159	0.328	0.238	0.83	0.413	0.448	0.415	0.215	0.632	0.329	0.322	0.158	0.286	0.0862; 0.0852	0.22	0.523	0.277
Barium	7440-39-3	mg/L	4/4/2016	0.541		0.33	0.615; 0.567	0.181	0.114	0.174	0.303	0.911	0.298	0.312	0.364	0.163	0.647	0.278	0.301	0.0787	0.333	0.0885	0.259	0.644	0.316
Barium	7440-39-3	mg/L	10/17/2016	0.462		0.287	0.362	0.135	0.124	0.17	0.218	0.644	0.312	0.334	0.311	0.156	0.447	0.101	0.0572	0.0961	0.282	0.0732	0.193	0.471	0.238
Barium	7440-39-3	mg/L	4/17/2017	0.525		0.35	0.424	0.155	0.101	0.215	0.284	0.735	0.262	0.331	0.324	0.189	0.302	0.0995	0.514	0.103	0.297	0.078	0.237	0.608	0.282

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Barium	7440-39-3	mg/L	10/11/2017	0.51		0.294	0.341	0.141	0.138	0.237	0.263	0.827	0.342	0.376	0.325	0.174	0.5	0.254	0.269	0.0959	0.291	0.0775	0.226	0.502	0.257
Barium	7440-39-3	mg/L	4/20/2018											0.427					0.288	0.111					
Barium	7440-39-3	mg/L	4/23/2018	0.562								0.876	0.278		0.302	0.165	0.322								
Barium	7440-39-3	mg/L	4/25/2018						0.104		0.3														
Barium	7440-39-3	mg/L	4/30/2018			0.308; 0.316	0.31	0.194										0.162							
Barium	7440-39-3	mg/L	5/1/2018																		0.283	0.0838			
Barium	7440-39-3	mg/L	5/2/2018																				0.235	0.607	0.294
Barium	7440-39-3	mg/L	10/16/2018	0.491		0.355	0.429	0.194	0.113	0.269	0.294	0.881	0.336	0.236	0.295	0.147	0.321	0.251	0.297	0.125	0.302	0.0777	0.228	0.58	0.265; 0.295
Barium	7440-39-3	mg/L	4/16/2019	0.537		0.339	0.513	0.188	0.111	0.154	0.319	0.858	0.375	0.299	0.296; 0.312	0.185	0.364	0.0731	0.275	0.0838	0.279	0.0826	0.22	0.574	0.296
Barium	7440-39-3	mg/L	10/1/2019	0.457	0.416	0.303	0.312	0.176	0.134	0.28	0.286	0.794	0.251	0.31	0.282	0.183	0.287	0.0688	0.295	0.113	0.257	0.0725	0.215	0.537	0.242
Barium	7440-39-3	mg/L	3/30/2020	0.476	0.488	0.318	0.605	0.213	0.115	0.179	0.315	0.717	0.293	0.259	0.337	0.142	0.262	0.0715	0.257	0.0801	0.291	0.0895; 0.0759	0.228	0.567	0.295
Barium	7440-39-3	mg/L	6/24/2020		0.525																				
Barium	7440-39-3	mg/L	10/7/2020	0.548	0.653	0.319	0.278	0.188	0.155	0.203	0.306	0.923	0.302	0.368	0.323	0.193	0.317	0.172	0.28	0.097	0.267	0.0853	0.225	0.561	0.275
Barium	7440-39-3	mg/L	1/21/2021		0.641																				
Barium	7440-39-3	mg/L	4/13/2021	0.48	0.767	0.27	0.474	0.2	0.116; 0.115	0.176	0.293	0.938	0.189	0.261	0.28	0.11	0.285	0.0512	0.25	0.0836	0.294	0.0939	0.222	0.57	0.282
Barium	7440-39-3	mg/L	10/20/2021		0.672			0.183; 0.173	0.148			0.859	0.233				0.328	0.062			0.252	0.0965	0.225	0.54	0.293
Barium	7440-39-3	mg/L	5/2/2022	0.454	0.72	0.34	0.333	0.197	0.118	0.221	0.328	0.817	0.223	0.302	0.298	0.145	0.275	0.0453	0.259	0.134	0.226	0.096	0.221	0.558	0.272; 0.271
Barium	7440-39-3	mg/L	10/14/2022		0.749		0.263	0.204	0.253			0.916	0.367								0.216	0.103	0.255	0.571	0.279
Barium	7440-39-3	mg/L	5/1/2023	0.498	0.941	0.343	0.278	0.211	0.0924; 0.0949	0.255	0.315	1.08	0.263	0.333	0.337	0.17	0.271	0.0788	0.297	0.139	0.0577	0.099	0.254	0.705	0.308
Barium	7440-39-3	mg/L	10/16/2023		0.883		0.304	0.237	0.174			1.01	0.217								0.0607	0.114	0.286	0.66	0.321
Barium	7440-39-3	mg/L	4/29/2024	0.487	0.791	0.322	0.279	0.199	0.151	0.368	0.336	0.934	0.154	0.232	0.311	0.0996	0.18	0.0384	0.255	0.139	0.0539	0.0962	0.269	0.708	0.317; 0.308
Barium	7440-39-3	mg/L	10/9/2024		0.773								0.247												
Barium	7440-39-3	mg/L	10/10/2024						0.284			1.07													
Barium	7440-39-3	mg/L	10/14/2024																		0.0508	0.0906		0.607	
Barium	7440-39-3	mg/L	10/15/2024				0.306																0.244		0.298
Barium	7440-39-3	mg/L	4/23/2025	0.481										0.290					0.250						
Barium	7440-39-3	mg/L	4/24/2025													0.168	0.196								
Barium	7440-39-3	mg/L	4/30/2025		0.852							0.910													
Barium	7440-39-3	mg/L	5/5/2025						0.286																
Barium	7440-39-3	mg/L	5/6/2025										0.175		0.298										
Barium	7440-39-3	mg/L	5/7/2025				0.350													0.136	0.0555	0.0927	0.240		
Barium	7440-39-3	mg/L	5/8/2025			0.320		0.183																	
Barium	7440-39-3	mg/L	5/9/2025							0.339	0.321							0.0461						0.617	0.317
Benzene	71-43-2	ug/L	2/27/2008	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5															
Benzene	71-43-2	ug/L	5/12/2008	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5															
Benzene	71-43-2	ug/L	7/13/2008	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5															
Benzene	71-43-2	ug/L	9/14/2008	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5															
Benzene	71-43-2	ug/L	11/17/2008	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5															
Benzene	71-43-2	ug/L	4/14/2009	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5															
Benzene	71-43-2	ug/L	7/7/2009							<0.5			<0.5	<0.5	<0.5	9.88			<0.5	<0.5					
Benzene	71-43-2	ug/L	9/2/2009							<0.5			<0.5	<0.5	<0.5	5.34			<0.5	<0.5					
Benzene	71-43-2	ug/L	10/25/2009	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	5.7			<0.5	<0.5					
Benzene	71-43-2	ug/L	1/2/2010							<0.5			<0.5	<0.5	<0.5	3.35			<0.5	<0.5					
Benzene	71-43-2	ug/L	3/3/2010									<0.5	<0.5	<0.5	<0.5	4.27	1.84	<0.5	<0.5	<0.5					
Benzene	71-43-2	ug/L	5/10/2010	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	4.71	0.96	<0.5	<0.5	<0.5					
Benzene	71-43-2	ug/L	7/8/2010							<0.5		<0.5				3.69	1.2	<0.5							
Benzene	71-43-2	ug/L	9/13/2010							<0.5		<0.5				5.17	2.65	<0.5							
Benzene	71-43-2	ug/L	11/1/2010	<0.5		<0.5		<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	4.73									
Benzene	71-43-2	ug/L	1/10/2011							<0.5		<0.5				5	5.43	<0.5							
Benzene	71-43-2	ug/L	4/4/2011							<0.5		<0.5				2.53	2.6	<0.5							
Benzene	71-43-2	ug/L	7/8/2011							<0.5							0.56								
Benzene	71-43-2	ug/L	8/11/2011							<0.5							7.52								
Benzene	71-43-2	ug/L	10/13/2011	<0.5		<0.5		<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	9.78	0.87	<0.5	<0.5						
Benzene	71-43-2	ug/L	12/5/2011				<0.5			<0.5							2.54			<0.5					
Benzene	71-43-2	ug/L	4/11/2012	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	2.94	0.67	<0.5	<0.5	<0.5					
Benzene	71-43-2	ug/L	6/25/2012					<0.5		<0.5															
Benzene	71-43-2	ug/L	8/1/2012							<0.5	<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	10/11/2012	<0.5		<0.5	<0.5	<0.5	<0.5		<0.5	<0.5		<0.5	<0.5	5.22	14.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	12/13/2012								<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	2/4/2013								<0.5										<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	3/30/2013	<0.5		<0.5	<0.5	<0.5	<0.5		<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	7/10/2013																		<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	10/7/2013	<0.5		<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.37	19	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	6/2/2014	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.17	4.08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	10/15/2014	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.39	1.89	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	4/6/2015	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.927	5.86	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	10/5/2015	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.116J	<0.5	<0.5	1.08	8.63	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	4/4/2016	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.211J	5.15	0.192J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	10/17/2016	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.66	6.92	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	4/17/2017	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.185J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	10/11/2017	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.513	5.89	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	4/20/2018											<0.5					<0.5	<0.5					
Benzene	71-43-2	ug/L	4/23/2018	<0.5								<0.5	<0.5		<0.5	<0.5	0.142J								
Benzene	71-43-2	ug/L	4/25/2018						<0.5																
Benzene	71-43-2	ug/L	4/30/2018			<0.5	<0.5	<0.5										<0.5							
Benzene	71-43-2	ug/L	5/1/2018								<0.5										<0.5	<0.5			
Benzene	71-43-2	ug/L	5/2/2018																				<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	10/16/2018	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	4/16/2019	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	10/1/2019	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	3/30/2020	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	6/24/2020		<0.5																				
Benzene	71-43-2	ug/L	10/7/2020	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.378J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	1/21/2021		<1																				
Benzene	71-43-2	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzene	71-43-2	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Benzene	71-43-2	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Benzene	71-43-2	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Benzene	71-43-2	ug/L	5/1/2023	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	10/16/2023		<0.5			<0.5	<0.5			<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	4/29/2024		<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5								<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	10/9/2024		<0.500								<0.500												
Benzene	71-43-2	ug/L	10/10/2024						<0.500			<0.500													
Benzene	71-43-2	ug/L	10/14/2024																		<0.500	<0.500		<0.500	
Benzene	71-43-2	ug/L	10/15/2024																				<0.500		<0.500
Benzene	71-43-2	ug/L	4/23/2025	<0.500										<0.500					<0.500						
Benzene	71-43-2	ug/L	4/24/2025													<0.500									
Benzene	71-43-2	ug/L	4/30/2025		<0.500							<0.500													
Benzene	71-43-2	ug/L	5/5/2025						<0.500																
Benzene	71-43-2	ug/L	5/6/2025										<0.500		<0.500										
Benzene	71-43-2	ug/L	5/7/2025				<0.500													<0.500	<0.500	<0.500	<0.500		
Benzene	71-43-2	ug/L	5/8/2025			<0.500		<0.500																	
Benzene	71-43-2	ug/L	5/9/2025							<0.500	<0.500													<0.500	<0.500
Benzo [k] fluoranthene	207-08-9	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Benzo [k] fluoranthene	207-08-9	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Benzo [k] fluoranthene	207-08-9	ug/L	4/4/2011									<10					<10	<10							
Benzo [k] fluoranthene	207-08-9	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Benzo [k] fluoranthene	207-08-9	ug/L	6/2/2014																					<10.1	
Benzo [k] fluoranthene	207-08-9	ug/L	10/15/2014																					<10	
Benzo [k] fluoranthene	207-08-9	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Benzo [k] fluoranthene	207-08-9	ug/L	4/4/2016									<10					<10	<10							
Benzo [k] fluoranthene	207-08-9	ug/L	5/1/2018																		<10.4	<10.3			
Benzo [k] fluoranthene	207-08-9	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Benzo [k] fluoranthene	207-08-9	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Benzo [k] fluoranthene	207-08-9	ug/L	6/24/2020		<10.4																				
Benzo [k] fluoranthene	207-08-9	ug/L	10/20/2021		<8							<8					<8	<8							
Benzo [k] fluoranthene	207-08-9	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Benzo[a]anthracene	56-55-3	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Benzo[a]anthracene	56-55-3	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Benzo[a]anthracene	56-55-3	ug/L	4/4/2011									<10					<10	<10							
Benzo[a]anthracene	56-55-3	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Benzo[a]anthracene	56-55-3	ug/L	6/2/2014																					<10.1	
Benzo[a]anthracene	56-55-3	ug/L	10/15/2014																					<10	
Benzo[a]anthracene	56-55-3	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Benzo[a]anthracene	56-55-3	ug/L	4/4/2016									<10					<10	<10							
Benzo[a]anthracene	56-55-3	ug/L	5/1/2018																		<10.4	<10.3			
Benzo[a]anthracene	56-55-3	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Benzo[a]anthracene	56-55-3	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Benzo[a]anthracene	56-55-3	ug/L	6/24/2020		<10.4																				
Benzo[a]anthracene	56-55-3	ug/L	10/20/2021		<8							<8					<8	<8							
Benzo[a]anthracene	56-55-3	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Benzo[a]anthracene	56-55-3	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Benzo[a]anthracene	56-55-3	ug/L	4/24/2025													<10.4									
Benzo[a]anthracene	56-55-3	ug/L	5/5/2025						<10.2																
Benzo[a]anthracene	56-55-3	ug/L	5/6/2025										<10.4		<10.6										
Benzo[a]anthracene	56-55-3	ug/L	5/7/2025				<10.2													<10.6					
Benzo[a]anthracene	56-55-3	ug/L	5/8/2025			<9.80		<10.6																	
Benzo[a]pyrene	50-32-8	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Benzo[a]pyrene	50-32-8	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Benzo[a]pyrene	50-32-8	ug/L	4/4/2011									<10					<10	<10							
Benzo[a]pyrene	50-32-8	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Benzo[a]pyrene	50-32-8	ug/L	6/2/2014																					<10.1	
Benzo[a]pyrene	50-32-8	ug/L	10/15/2014																					<10	
Benzo[a]pyrene	50-32-8	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Benzo[a]pyrene	50-32-8	ug/L	4/4/2016									<10					<10	<10							
Benzo[a]pyrene	50-32-8	ug/L	5/1/2018																		2.77J	<10.3			
Benzo[a]pyrene	50-32-8	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Benzo[a]pyrene	50-32-8	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Benzo[a]pyrene	50-32-8	ug/L	6/24/2020		<10.4																				
Benzo[a]pyrene	50-32-8	ug/L	10/20/2021		<8							<8					<8	<8							
Benzo[a]pyrene	50-32-8	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Benzo[a]pyrene	50-32-8	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Benzo[a]pyrene	50-32-8	ug/L	4/24/2025													<10.4									
Benzo[a]pyrene	50-32-8	ug/L	5/5/2025						<10.2																
Benzo[a]pyrene	50-32-8	ug/L	5/6/2025										<10.4		<10.6										
Benzo[a]pyrene	50-32-8	ug/L	5/7/2025				<10.2													<10.6					
Benzo[a]pyrene	50-32-8	ug/L	5/8/2025			<9.80		<10.6																	
Benzo[b]fluoranthene	205-99-2	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Benzo[b]fluoranthene	205-99-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Benzo[b]fluoranthene	205-99-2	ug/L	4/4/2011									<10					<10	<10							
Benzo[b]fluoranthene	205-99-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Benzo[b]fluoranthene	205-99-2	ug/L	6/2/2014																					<10.1	
Benzo[b]fluoranthene	205-99-2	ug/L	10/15/2014																					<10	
Benzo[b]fluoranthene	205-99-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Benzo[b]fluoranthene	205-99-2	ug/L	4/4/2016									<10					<10	<10							
Benzo[b]fluoranthene	205-99-2	ug/L	5/1/2018																		<10.4	<10.3			
Benzo[b]fluoranthene	205-99-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Benzo[b]fluoranthene	205-99-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Benzo[b]fluoranthene	205-99-2	ug/L	6/24/2020		<10.4																				
Benzo[b]fluoranthene	205-99-2	ug/L	10/20/2021		<8							<8					<8	<8							
Benzo[b]fluoranthene	205-99-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Benzo[b]fluoranthene	205-99-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Benzo[b]fluoranthene	205-99-2	ug/L	4/24/2025													<10.4									
Benzo[b]fluoranthene	205-99-2	ug/L	5/5/2025						<10.2																

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Benzo[b]fluoranthene	205-99-2	ug/L	5/6/2025										<10.4		<10.6										
Benzo[b]fluoranthene	205-99-2	ug/L	5/7/2025				<10.2													<10.6					
Benzo[b]fluoranthene	205-99-2	ug/L	5/8/2025			<9.80		<10.6																	
Benzo[g,h,i]perylene	191-24-2	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Benzo[g,h,i]perylene	191-24-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Benzo[g,h,i]perylene	191-24-2	ug/L	4/4/2011									<10					<10	<10							
Benzo[g,h,i]perylene	191-24-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Benzo[g,h,i]perylene	191-24-2	ug/L	6/2/2014																					<10.1	
Benzo[g,h,i]perylene	191-24-2	ug/L	10/15/2014																					<10	
Benzo[g,h,i]perylene	191-24-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Benzo[g,h,i]perylene	191-24-2	ug/L	4/4/2016									<10					<10	<10							
Benzo[g,h,i]perylene	191-24-2	ug/L	5/1/2018																		<10.4	<10.3			
Benzo[g,h,i]perylene	191-24-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Benzo[g,h,i]perylene	191-24-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Benzo[g,h,i]perylene	191-24-2	ug/L	6/24/2020		<10.4																				
Benzo[g,h,i]perylene	191-24-2	ug/L	10/20/2021		<8							<8					<8	<8							
Benzo[g,h,i]perylene	191-24-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Benzo[g,h,i]perylene	191-24-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Benzo[g,h,i]perylene	191-24-2	ug/L	4/24/2025													<10.4									
Benzo[g,h,i]perylene	191-24-2	ug/L	5/5/2025						<10.2																
Benzo[g,h,i]perylene	191-24-2	ug/L	5/6/2025										<10.4		<10.6										
Benzo[g,h,i]perylene	191-24-2	ug/L	5/7/2025				<10.2													<10.6					
Benzo[g,h,i]perylene	191-24-2	ug/L	5/8/2025			<9.80		<10.6																	
Benzo[k]fluoranthene	207-08-9	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Benzo[k]fluoranthene	207-08-9	ug/L	4/24/2025													<10.4									
Benzo[k]fluoranthene	207-08-9	ug/L	5/5/2025						<10.2																
Benzo[k]fluoranthene	207-08-9	ug/L	5/6/2025										<10.4		<10.6										
Benzo[k]fluoranthene	207-08-9	ug/L	5/7/2025				<10.2													<10.6					
Benzo[k]fluoranthene	207-08-9	ug/L	5/8/2025			<9.80		<10.6																	
Benzyl alcohol	100-51-6	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Benzyl alcohol	100-51-6	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Benzyl alcohol	100-51-6	ug/L	4/4/2011									<10					<10	<10							
Benzyl alcohol	100-51-6	ug/L	7/10/2013																		<10.2	<10.1	<10.1	146	<10.3
Benzyl alcohol	100-51-6	ug/L	10/7/2013							<10.2	<10.1													<10.1	
Benzyl alcohol	100-51-6	ug/L	6/2/2014																					<10.1	
Benzyl alcohol	100-51-6	ug/L	10/15/2014																					<10	
Benzyl alcohol	100-51-6	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Benzyl alcohol	100-51-6	ug/L	4/4/2016									<10					<10	<10							
Benzyl alcohol	100-51-6	ug/L	5/1/2018																		<10.4	<10.3			
Benzyl alcohol	100-51-6	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Benzyl alcohol	100-51-6	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Benzyl alcohol	100-51-6	ug/L	6/24/2020		<10.4																				
Benzyl alcohol	100-51-6	ug/L	10/20/2021		<8							<8					<8	<8							
Benzyl alcohol	100-51-6	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Benzyl alcohol	100-51-6	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Benzyl alcohol	100-51-6	ug/L	4/24/2025													<10.4									
Benzyl alcohol	100-51-6	ug/L	5/5/2025						<10.2																
Benzyl alcohol	100-51-6	ug/L	5/6/2025										<10.4		<10.6										
Benzyl alcohol	100-51-6	ug/L	5/7/2025				<10.2													<10.6					
Benzyl alcohol	100-51-6	ug/L	5/8/2025			<9.80		<10.6																	
Beryllium	7440-41-7	mg/L	2/27/2008	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001															
Beryllium	7440-41-7	mg/L	5/12/2008	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001															
Beryllium	7440-41-7	mg/L	7/13/2008	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001															
Beryllium	7440-41-7	mg/L	9/14/2008	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001															
Beryllium	7440-41-7	mg/L	11/17/2008	<0.001		<0.001	<0.001	<0.001	<0.001	0.00107															
Beryllium	7440-41-7	mg/L	4/14/2009	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001															
Beryllium	7440-41-7	mg/L	7/7/2009							<0.001			0.00164	<0.001	<0.001	<0.001			<0.001	<0.001					
Beryllium	7440-41-7	mg/L	9/2/2009							<0.001			0.00126	<0.001	<0.001	<0.001			<0.001	<0.001					
Beryllium	7440-41-7	mg/L	10/25/2009	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001			0.00332	<0.001	<0.001	<0.001			<0.001	<0.001					
Beryllium	7440-41-7	mg/L	1/2/2010							<0.001			0.00209	<0.001	<0.001	<0.001			<0.001	<0.001					
Beryllium	7440-41-7	mg/L	3/3/2010									0.0129	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001					
Beryllium	7440-41-7	mg/L	5/10/2010	<0.0004		0.0022	<0.0004	<0.0004	<0.0004	<0.0004		0.0019	0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	0.00062	<0.0004					
Beryllium	7440-41-7	mg/L	7/8/2010							<0.001		<0.001	<0.001				<0.001	<0.001	<0.001						
Beryllium	7440-41-7	mg/L	9/13/2010							<0.001		<0.001	<0.001				<0.001	<0.001	<0.001						
Beryllium	7440-41-7	mg/L	11/1/2010	<0.001		<0.001		<0.001	<0.001	<0.001			0.00144	<0.001	<0.001	<0.001									
Beryllium	7440-41-7	mg/L	1/10/2011							<0.001		<0.001	0.0032				<0.001	<0.001							
Beryllium	7440-41-7	mg/L	4/4/2011							<0.001		<0.001	0.0014				<0.001	0.00123	<0.001						
Beryllium	7440-41-7	mg/L	7/8/2011							<0.001		<0.001													
Beryllium	7440-41-7	mg/L	8/11/2011							<0.001		<0.001													
Beryllium	7440-41-7	mg/L	10/13/2011	<0.001		<0.001		<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00115	0.00246						
Beryllium	7440-41-7	mg/L	12/5/2011				<0.001			<0.001		<0.001								<0.001					
Beryllium	7440-41-7	mg/L	2/6/2012							<0.001															
Beryllium	7440-41-7	mg/L	4/11/2012	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	0.00107	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001					
Beryllium	7440-41-7	mg/L	6/25/2012					<0.001		<0.001															
Beryllium	7440-41-7	mg/L	8/1/2012							<0.001	<0.001										0.00379	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/11/2012	<0.001		<0.001	<0.001	<0.001	<0.001		<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00758	<0.001	<0.001	<0.001	0.00132
Beryllium	7440-41-7	mg/L	12/13/2012								<0.001										0.00184	0.00148	<0.001	<0.001	0.00298
Beryllium	7440-41-7	mg/L	2/4/2013								<0.001										0.00999	<0.001	<0.001	<0.001	0.00565
Beryllium	7440-41-7	mg/L	3/30/2013	<0.001		<0.001	<0.001	<0.001	<0.001		<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0028	<0.001	<0.001	<0.001	0.00113
Beryllium	7440-41-7	mg/L	7/10/2013																		0.0048	<0.001	<0.001	<0.001	0.00173
Beryllium	7440-41-7	mg/L	10/7/2013	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	0.00163	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00128	0.00487	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	6/2/2014	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/15/2014	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/6/2015	<0.001		<0.001	0.000139J	<0.001	<0.001	<0.001	0.000064J	0.00007J	<0.001	<0.001	<0.001	<0.001	0.0001J	<0.001	0.000336J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/5/2015	<0.001		<0.001	0.000097J	0.000139J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000127J	<0.001	0.000041J	0.000081J; 0.000088J	<0.001	0.000131J	<0.001
Beryllium	7440-41-7	mg/L	4/4/2016	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/17/2016	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Beryllium	7440-41-7	mg/L	4/17/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000278J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/11/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000171J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/20/2018											<0.001					<0.001	<0.001					
Beryllium	7440-41-7	mg/L	4/23/2018	<0.001								<0.001	<0.001		<0.001	<0.001	<0.001								
Beryllium	7440-41-7	mg/L	4/25/2018						<0.001		<0.001														
Beryllium	7440-41-7	mg/L	4/30/2018			<0.001	<0.001	<0.001										<0.001							
Beryllium	7440-41-7	mg/L	5/1/2018																		<0.001	<0.001			
Beryllium	7440-41-7	mg/L	5/2/2018																				<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/16/2018	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/16/2019	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	3/30/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	6/24/2020		<0.001																				
Beryllium	7440-41-7	mg/L	10/7/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	1/21/2021		<0.004																				
Beryllium	7440-41-7	mg/L	4/13/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Beryllium	7440-41-7	mg/L	10/20/2021		<0.004			<0.004				<0.004					<0.004	<0.004			<0.004	<0.004	<0.004	<0.004	<0.004
Beryllium	7440-41-7	mg/L	5/2/2022					<0.004		<0.004	<0.004										<0.004	<0.004	<0.004	<0.004	<0.004
Beryllium	7440-41-7	mg/L	10/14/2022					<0.004													<0.004	<0.004	<0.004	<0.004	<0.004
Beryllium	7440-41-7	mg/L	5/1/2023					<0.001		<0.001	<0.001										<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/16/2023					<0.001													<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/29/2024					<0.001		<0.001	<0.001										<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/14/2024																		<0.00100	<0.00100		<0.00100	
Beryllium	7440-41-7	mg/L	10/15/2024																				<0.00100		<0.00100
Beryllium	7440-41-7	mg/L	4/23/2025	<0.00100										<0.00100					<0.00100						
Beryllium	7440-41-7	mg/L	4/24/2025													<0.00100									
Beryllium	7440-41-7	mg/L	5/5/2025						<0.00100																
Beryllium	7440-41-7	mg/L	5/6/2025										<0.00100		<0.00100										
Beryllium	7440-41-7	mg/L	5/7/2025				<0.00100													<0.00100	<0.00100	<0.00100	<0.00100		
Beryllium	7440-41-7	mg/L	5/8/2025			<0.00100		<0.00100																	
Beryllium	7440-41-7	mg/L	5/9/2025							<0.00100	<0.00100													<0.00100	<0.00100
Beta-BHC	319-85-7	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
Beta-BHC	319-85-7	ug/L	10/25/2009							<0.032															
Beta-BHC	319-85-7	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
Beta-BHC	319-85-7	ug/L	9/13/2010							<0.032															
Beta-BHC	319-85-7	ug/L	11/1/2010							<0.032															
Beta-BHC	319-85-7	ug/L	1/10/2011							<0.032															
Beta-BHC	319-85-7	ug/L	4/4/2011							<0.032		<0.032					<0.032	<0.032							
Beta-BHC	319-85-7	ug/L	10/11/2012								<0.032														
Beta-BHC	319-85-7	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
Beta-BHC	319-85-7	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	<0.033			<0.0348	<0.0323					
Beta-BHC	319-85-7	ug/L	4/4/2016									<0.032					0.00559J	<0.032							
Beta-BHC	319-85-7	ug/L	5/1/2018																		<0.0333	<0.0323			
Beta-BHC	319-85-7	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
Beta-BHC	319-85-7	ug/L	3/30/2020	<0.0333		<0.0337	<0.0333	<0.0344	<0.0337				<0.0337	<0.0333	<0.0333	0.0058J			<0.033	<0.033					
Beta-BHC	319-85-7	ug/L	6/24/2020		<0.0337																				
Beta-BHC	319-85-7	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Beta-BHC	319-85-7	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
Bicarbonate	BICARB	mg/L	6/2/2014	537		351	557	346	206	330	341	449	480	263	464	392	604	454	433	439	464	129	377	439	402
Bicarbonate	BICARB	mg/L	10/15/2014	508		356	707	356	186	320	341	459	429	258	490	356	697	485	423	454	475	119	382	449	402
Bis(2-chloroethoxy)methane	111-91-1	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Bis(2-chloroethoxy)methane	111-91-1	ug/L	4/24/2025													<10.4									
Bis(2-chloroethoxy)methane	111-91-1	ug/L	5/5/2025						<10.2																
Bis(2-chloroethoxy)methane	111-91-1	ug/L	5/6/2025										<10.4		<10.6										
Bis(2-chloroethoxy)methane	111-91-1	ug/L	5/7/2025				<10.2													<10.6					
Bis(2-chloroethoxy)methane	111-91-1	ug/L	5/8/2025			<9.80		<10.6																	
Bis(2-chloroethyl)ether	111-44-4	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Bis(2-chloroethyl)ether	111-44-4	ug/L	4/24/2025													<10.4									
Bis(2-chloroethyl)ether	111-44-4	ug/L	5/5/2025						<10.2																
Bis(2-chloroethyl)ether	111-44-4	ug/L	5/6/2025										<10.4		<10.6										
Bis(2-chloroethyl)ether	111-44-4	ug/L	5/7/2025				<10.2													<10.6					
Bis(2-chloroethyl)ether	111-44-4	ug/L	5/8/2025			<9.80		<10.6																	
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	4/24/2025													<10.4									
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5/5/2025						<10.2																
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5/6/2025										<10.4		<10.6										
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5/7/2025				<10.2													<10.6					
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5/8/2025			<9.80		<10.6																	
Bis[2-chloroethoxy]methane	111-91-1	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Bis[2-chloroethoxy]methane	111-91-1	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Bis[2-chloroethoxy]methane	111-91-1	ug/L	4/4/2011									<10					<10	<10							
Bis[2-chloroethoxy]methane	111-91-1	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Bis[2-chloroethoxy]methane	111-91-1	ug/L	6/2/2014																					<10.1	
Bis[2-chloroethoxy]methane	111-91-1	ug/L	10/15/2014																					<10	
Bis[2-chloroethoxy]methane	111-91-1	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Bis[2-chloroethoxy]methane	111-91-1	ug/L	4/4/2016									<10					<10	<10							
Bis[2-chloroethoxy]methane	111-91-1	ug/L	5/1/2018																		<10.4	<10.3			
Bis[2-chloroethoxy]methane	111-91-1	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Bis[2-chloroethoxy]methane	111-91-1	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Bis[2-chloroethoxy]methane	111-91-1	ug/L	6/24/2020		<10.4																				
Bis[2-chloroethoxy]methane	111-91-1	ug/L	10/20/2021		<8							<8					<8	<8							
Bis[2-chloroethoxy]methane	111-91-1	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Bis[2-chloroethyl]ether	111-44-4	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Bis[2-chloroethyl]ether	111-44-4	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Bis[2-chloroethyl]ether	111-44-4	ug/L	4/4/2011									<10					<10	<10							
Bis[2-chloroethyl]ether	111-44-4	ug/L	7/10/2013																		<10.2	<10.1	<10.1	326	<10.3
Bis[2-chloroethyl]ether	111-44-4	ug/L	10/7/2013							<10.2	<10.1													<10.1	

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Bis[2-chloroethyl]ether	111-44-4	ug/L	6/2/2014																					<10.1	
Bis[2-chloroethyl]ether	111-44-4	ug/L	10/15/2014																					<10	
Bis[2-chloroethyl]ether	111-44-4	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Bis[2-chloroethyl]ether	111-44-4	ug/L	4/4/2016									<10					<10	<10							
Bis[2-chloroethyl]ether	111-44-4	ug/L	5/1/2018																		<10.4	<10.3			
Bis[2-chloroethyl]ether	111-44-4	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Bis[2-chloroethyl]ether	111-44-4	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Bis[2-chloroethyl]ether	111-44-4	ug/L	6/24/2020		<10.4																				
Bis[2-chloroethyl]ether	111-44-4	ug/L	10/20/2021		<8							<8					<8	<8							
Bis[2-chloroethyl]ether	111-44-4	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	4/4/2011									<10					<10	<10							
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	6/2/2014																					<10.1	
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	10/15/2014																					<10	
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	4/4/2016									<10					<10	<10							
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	5/1/2018																		<10.4	<10.3			
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	6/24/2020		<10.4																				
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	10/20/2021		<8							<8					<8	<8							
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/4/2011									<10					<10	<10							
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	6/2/2014																					<10.1	
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/15/2014																					2.25J	
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/5/2015	0.768J		5.49J	7.73J	2.25J	<10.1				14.2	1.1J	1.03J	8.07J			15.3	10.8					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/4/2016									0.747J	<10				0.88J	0.761J	0.635J	1.34J					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/11/2016										0.817J						1.39J	0.843J					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/17/2016										0.875J						1.1J	0.56J					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	11/14/2016										1.86J						1.41J	0.922J					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/17/2017										<10.9						0.896J	<10					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/11/2017										<10.4						<10.6	<10.2					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/20/2018																<10.6	<10.3					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/23/2018										<10.3												
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	5/1/2018																		<10.4	<10.3			
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/16/2018										<10.1						<10.5	<10.3					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/16/2019										<10.2						<10.1	<10.1					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	6/24/2020		<10.4																				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/20/2021		<6							<6					<6	<6							
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Bromochloromethane	74-97-5	ug/L	2/27/2008	<5		<5	<5	<5	<5	<5															
Bromochloromethane	74-97-5	ug/L	5/12/2008	<5		<5	<5	<5	<5	<5															
Bromochloromethane	74-97-5	ug/L	7/13/2008	<5		<5	<5	<5	<5	<5															
Bromochloromethane	74-97-5	ug/L	9/14/2008	<5		<5	<5	<5	<5	<5															
Bromochloromethane	74-97-5	ug/L	11/17/2008	<5		<5	<5	<5	<5	<5															
Bromochloromethane	74-97-5	ug/L	4/14/2009	<5		<5	<5	<5	<5	<5															
Bromochloromethane	74-97-5	ug/L	7/7/2009										<5	<5	<5	<5			<5	<5					
Bromochloromethane	74-97-5	ug/L	9/2/2009										<5	<5	<5	<5			<5	<5					
Bromochloromethane	74-97-5	ug/L	10/25/2009	<5		<5	<5	<5	<5	<5			<5	<5	<5	<5			<5	<5					
Bromochloromethane	74-97-5	ug/L	1/2/2010										<5	<5	<5	<5			<5	<5					
Bromochloromethane	74-97-5	ug/L	3/3/2010									<5	<5	<5	<5	<5	<5	<5	<5	<5					
Bromochloromethane	74-97-5	ug/L	5/10/2010	<5		<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5					
Bromochloromethane	74-97-5	ug/L	7/8/2010									<5					<5	<5							
Bromochloromethane	74-97-5	ug/L	9/13/2010									<5					<5	<5							
Bromochloromethane	74-97-5	ug/L	11/1/2010	<5		<5		<5	<5	<5			<5	<5	<5	<5									
Bromochloromethane	74-97-5	ug/L	1/10/2011									<5					<5	<5							
Bromochloromethane	74-97-5	ug/L	4/4/2011									<5					<5	<5							
Bromochloromethane	74-97-5	ug/L	10/13/2011	<5		<5		<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5						
Bromochloromethane	74-97-5	ug/L	12/5/2011				<5													<5					
Bromochloromethane	74-97-5	ug/L	4/11/2012	<5		<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5					
Bromochloromethane	74-97-5	ug/L	6/25/2012					<5		<5															
Bromochloromethane	74-97-5	ug/L	8/1/2012							<5	<5										<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/11/2012	<5		<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	12/13/2012								<5										<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	2/4/2013								<5										<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	3/30/2013	<5		<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	7/10/2013																		<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/7/2013	<5		<5			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	6/2/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/15/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/6/2015	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/5/2015	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/4/2016	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/17/2016	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/17/2017	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/11/2017	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/20/2018											<5					<5	<5					
Bromochloromethane	74-97-5	ug/L	4/23/2018	<5								<5	<5		<5	<5	<5								
Bromochloromethane	74-97-5	ug/L	4/25/2018						<5																
Bromochloromethane	74-97-5	ug/L	4/30/2018			<5	<5	<5										<5							

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Bromochloromethane	74-97-5	ug/L	5/1/2018								<5										<5	<5			
Bromochloromethane	74-97-5	ug/L	5/2/2018																				<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/16/2018	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/16/2019	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	6/24/2020		<5																				
Bromochloromethane	74-97-5	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	1/21/2021		<1																				
Bromochloromethane	74-97-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	74-97-5	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Bromochloromethane	74-97-5	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Bromochloromethane	74-97-5	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Bromochloromethane	74-97-5	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/16/2023		<5			<5	<5			<5	<5								<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/29/2024		<5			<5	<5	<5	<5	<5	<5								<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/9/2024		<5.00								<5.00												
Bromochloromethane	74-97-5	ug/L	10/10/2024						<5.00			<5.00												
Bromochloromethane	74-97-5	ug/L	10/14/2024																		<5.00	<5.00		<5.00	
Bromochloromethane	74-97-5	ug/L	10/15/2024																				<5.00		<5.00
Bromochloromethane	74-97-5	ug/L	4/23/2025	<5.00										<5.00					<5.00						
Bromochloromethane	74-97-5	ug/L	4/24/2025													<5.00									
Bromochloromethane	74-97-5	ug/L	4/30/2025		<5.00							<5.00													
Bromochloromethane	74-97-5	ug/L	5/5/2025						<5.00																
Bromochloromethane	74-97-5	ug/L	5/6/2025										<5.00		<5.00										
Bromochloromethane	74-97-5	ug/L	5/7/2025				<5.00													<5.00	<5.00	<5.00	<5.00		
Bromochloromethane	74-97-5	ug/L	5/8/2025			<5.00		<5.00																	
Bromochloromethane	74-97-5	ug/L	5/9/2025							<5.00	<5.00													<5.00	<5.00
Bromodichloromethane	75-27-4	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
Bromodichloromethane	75-27-4	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
Bromodichloromethane	75-27-4	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
Bromodichloromethane	75-27-4	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
Bromodichloromethane	75-27-4	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
Bromodichloromethane	75-27-4	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
Bromodichloromethane	75-27-4	ug/L	7/7/2009										<1	<1	<1	<1			<1	<1					
Bromodichloromethane	75-27-4	ug/L	9/2/2009										<1	<1	<1	<1			<1	<1					
Bromodichloromethane	75-27-4	ug/L	10/25/2009	<2		<1	<2	<2	<1	<1			<2	<2	<2	<1			<1	<1					
Bromodichloromethane	75-27-4	ug/L	1/2/2010										<5	<10	<5	<10			<5	<5					
Bromodichloromethane	75-27-4	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
Bromodichloromethane	75-27-4	ug/L	5/10/2010	<4		<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4					
Bromodichloromethane	75-27-4	ug/L	7/8/2010									<1					<1	<1							
Bromodichloromethane	75-27-4	ug/L	9/13/2010									<1					<1	<1							
Bromodichloromethane	75-27-4	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
Bromodichloromethane	75-27-4	ug/L	1/10/2011									<1					<1	<1							
Bromodichloromethane	75-27-4	ug/L	4/4/2011									<1					<1	<1							
Bromodichloromethane	75-27-4	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
Bromodichloromethane	75-27-4	ug/L	12/5/2011				<1													<1					
Bromodichloromethane	75-27-4	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Bromodichloromethane	75-27-4	ug/L	6/25/2012					<1		<1															
Bromodichloromethane	75-27-4	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/11/2012	<2		<1	<1	<1	<1		<1	<2		<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	7/10/2013																		<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/20/2018											<1					<1	<1					
Bromodichloromethane	75-27-4	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
Bromodichloromethane	75-27-4	ug/L	4/25/2018						<1																
Bromodichloromethane	75-27-4	ug/L	4/30/2018			<1	<1	<1										<1							
Bromodichloromethane	75-27-4	ug/L	5/1/2018								<1										<1	<1			
Bromodichloromethane	75-27-4	ug/L	5/2/2018																				<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	6/24/2020		<1																				
Bromodichloromethane	75-27-4	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	1/21/2021		<1																				
Bromodichloromethane	75-27-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/9/2024		<1.00								<1.00												
Bromodichloromethane	75-27-4	ug/L	10/10/2024						<1.00			<1.00													
Bromodichloromethane	75-27-4	ug/L	10/14/2024																		<1.00	<1.00		<1.00	

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Bromodichloromethane	75-27-4	ug/L	10/15/2024																				<1.00		<1.00
Bromodichloromethane	75-27-4	ug/L	4/23/2025	<1.00										<1.00					<1.00						
Bromodichloromethane	75-27-4	ug/L	4/24/2025													<1.00									
Bromodichloromethane	75-27-4	ug/L	4/30/2025		<1.00							<1.00													
Bromodichloromethane	75-27-4	ug/L	5/5/2025						<1.00																
Bromodichloromethane	75-27-4	ug/L	5/6/2025										<1.00		<1.00										
Bromodichloromethane	75-27-4	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
Bromodichloromethane	75-27-4	ug/L	5/8/2025			<1.00		<1.00																	
Bromodichloromethane	75-27-4	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
Bromoform	75-25-2	ug/L	2/27/2008	<5		<5	<5	<5	<5	<5															
Bromoform	75-25-2	ug/L	5/12/2008	<5		<5	<5	<5	<5	<5															
Bromoform	75-25-2	ug/L	7/13/2008	<5		<5	<5	<5	<5	<5															
Bromoform	75-25-2	ug/L	9/14/2008	<5		<5	<5	<5	<5	<5															
Bromoform	75-25-2	ug/L	11/17/2008	<5		<5	<5	<5	<5	<5															
Bromoform	75-25-2	ug/L	4/14/2009	<5		<5	<5	<5	<5	<5															
Bromoform	75-25-2	ug/L	7/7/2009										<5	<5	<5	<5			<5	<5					
Bromoform	75-25-2	ug/L	9/2/2009										<5	<5	<5	<5			<5	<5					
Bromoform	75-25-2	ug/L	10/25/2009	<10		<20	<10	<10	<20	<20			<10	<10	<10	<20			<20	<20					
Bromoform	75-25-2	ug/L	1/2/2010										<10	<50	<10	<50			<10	<10					
Bromoform	75-25-2	ug/L	3/3/2010									<5	<5	<5	<5	<5	<5	<5	<5	<5					
Bromoform	75-25-2	ug/L	5/10/2010	<20		<20	<20	<20	<20	<20		<20	<20	<20	<20	<20	<20	<20	<20	<20					
Bromoform	75-25-2	ug/L	7/8/2010									<5					<5	<5							
Bromoform	75-25-2	ug/L	9/13/2010									<5					<5	<5							
Bromoform	75-25-2	ug/L	11/1/2010	<10		<5		<10	<10	<5			<10	<10	<10	<10									
Bromoform	75-25-2	ug/L	1/10/2011									<5					<5	<5							
Bromoform	75-25-2	ug/L	4/4/2011									<5					<5	<5							
Bromoform	75-25-2	ug/L	10/13/2011	<5		<5		<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5						
Bromoform	75-25-2	ug/L	12/5/2011				<5													<5					
Bromoform	75-25-2	ug/L	4/11/2012	<5		<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5					
Bromoform	75-25-2	ug/L	6/25/2012					<5		<5															
Bromoform	75-25-2	ug/L	8/1/2012							<5	<5										<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/11/2012	<5		<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	12/13/2012								<5										<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	2/4/2013								<5										<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	3/30/2013	<5		<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	7/10/2013																		<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/7/2013	<5		<5			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	6/2/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/15/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/6/2015	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/5/2015	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/4/2016	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/17/2016	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/17/2017	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/11/2017	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/20/2018											<5					<5	<5					
Bromoform	75-25-2	ug/L	4/23/2018	<5								<5	<5		<5	<5	<5								
Bromoform	75-25-2	ug/L	4/25/2018						<5																
Bromoform	75-25-2	ug/L	4/30/2018			<5	<5	<5										<5							
Bromoform	75-25-2	ug/L	5/1/2018								<5										<5	<5			
Bromoform	75-25-2	ug/L	5/2/2018																				<5	<5	<5
Bromoform	75-25-2	ug/L	10/16/2018	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/16/2019	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	6/24/2020		<5																				
Bromoform	75-25-2	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	1/21/2021		<1																				
Bromoform	75-25-2	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	75-25-2	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Bromoform	75-25-2	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Bromoform	75-25-2	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Bromoform	75-25-2	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/16/2023		<5			<5	<5			<5	<5								<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/29/2024		<5			<5	<5	<5	<5	<5	<5								<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/9/2024		<5.00								<5.00												
Bromoform	75-25-2	ug/L	10/10/2024						<5.00			<5.00													
Bromoform	75-25-2	ug/L	10/14/2024																		<5.00	<5.00		<5.00	
Bromoform	75-25-2	ug/L	10/15/2024																				<5.00		<5.00
Bromoform	75-25-2	ug/L	4/23/2025	<5.00										<5.00					<5.00						
Bromoform	75-25-2	ug/L	4/24/2025													<5.00									
Bromoform	75-25-2	ug/L	4/30/2025		<5.00							<5.00													
Bromoform	75-25-2	ug/L	5/5/2025						<5.00																
Bromoform	75-25-2	ug/L	5/6/2025										<5.00		<5.00										
Bromoform	75-25-2	ug/L	5/7/2025				<5.00													<5.00	<5.00	<5.00	<5.00		
Bromoform	75-25-2	ug/L	5/8/2025			<5.00		<5.00																	
Bromoform	75-25-2	ug/L	5/9/2025							<5.00	<5.00													<5.00	<5.00
Bromomethane	74-83-9	ug/L	2/27/2008	<4		<4	<4	<4	<4	<4															
Bromomethane	74-83-9	ug/L	5/12/2008	<4		<4	<4	<4	<4	<4															
Bromomethane	74-83-9	ug/L	7/13/2008	<4		<4	<4	<4	<4	<4															
Bromomethane	74-83-9	ug/L	9/14/2008	<4		<4	<4	<4	<4	<4															
Bromomethane	74-83-9	ug/L	11/17/2008	<4		<4	<4	<4	<4	<4															
Bromomethane	74-83-9	ug/L	4/14/2009	<4		<4	<4	<4	<4	<4															
Bromomethane	74-83-9	ug/L	7/7/2009										<4	<4	<4	<4			<4	<4					
Bromomethane	74-83-9	ug/L	9/2/2009										<4	<4	<4	<4			<4	<4					
Bromomethane	74-83-9	ug/L	10/25/2009	<4		<4	<4	<4	<4	<4			<4	<4	<4	<4			<4	<4					
Bromomethane	74-83-9	ug/L	1/2/2010										<4	<4	<4	<4			<4	<4					

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Bromomethane	74-83-9	ug/L	3/3/2010									<4	<4	<4	<4	<4	<4	<4	<4	<4					
Bromomethane	74-83-9	ug/L	5/10/2010	<4		<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4					
Bromomethane	74-83-9	ug/L	7/8/2010									<4					<4	<4							
Bromomethane	74-83-9	ug/L	9/13/2010									<4					<4	<4							
Bromomethane	74-83-9	ug/L	11/1/2010	<4		<4		<4	<4	<4			<4	<4	<4	<4									
Bromomethane	74-83-9	ug/L	1/10/2011									<4					<4	<4							
Bromomethane	74-83-9	ug/L	4/4/2011									<4					<4	<4							
Bromomethane	74-83-9	ug/L	10/13/2011	<4		<4		<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4						
Bromomethane	74-83-9	ug/L	12/5/2011				<20													<20					
Bromomethane	74-83-9	ug/L	4/11/2012	<4		<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4					
Bromomethane	74-83-9	ug/L	6/25/2012					<4		<4															
Bromomethane	74-83-9	ug/L	8/1/2012							<4	<4										<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/11/2012	<5		<4	<4	<4	<4		<4	<5		<4	<4	<5	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	12/13/2012								<4										<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	2/4/2013								<4										<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	3/30/2013	<4		<4	<4	<4	<4		<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	7/10/2013																		<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/7/2013	<4		<4			<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	6/2/2014	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/15/2014	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/6/2015	<4		<4	<4	<4	<4	<4	<4	<4	<4	0.261J	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/5/2015	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/4/2016	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	0.379J	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/17/2016	0.596J		<4	<4	<4	<4	<4	<4	<4	0.559J	<4	<4	<4	<4	0.408J	0.467J	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/17/2017	0.437J		0.399J	0.482J	0.514J	<4	0.499J	0.496J	0.356J	0.415J	0.326J	0.41J	0.444J	0.414J	0.275J	0.447J	0.279J	0.539J	0.482J	0.403J	0.457J	0.239J
Bromomethane	74-83-9	ug/L	10/11/2017	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/20/2018											<4					<4	<4					
Bromomethane	74-83-9	ug/L	4/23/2018	<4								<4	<4		<4	<4	0.333J								
Bromomethane	74-83-9	ug/L	4/25/2018						<4																
Bromomethane	74-83-9	ug/L	4/30/2018			<4	<4	<4										<4							
Bromomethane	74-83-9	ug/L	5/1/2018								<4										<4	<4			
Bromomethane	74-83-9	ug/L	5/2/2018																				0.237J	0.411J	0.304J
Bromomethane	74-83-9	ug/L	10/16/2018	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/16/2019	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/1/2019	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	3/30/2020	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	6/24/2020		<4																				
Bromomethane	74-83-9	ug/L	10/7/2020	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	1/21/2021		<1																				
Bromomethane	74-83-9	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	74-83-9	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Bromomethane	74-83-9	ug/L	5/2/2022		<1			<1	0.6J	<1	<1	<1	<1								<1	<1	<1	0.6J	<1
Bromomethane	74-83-9	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Bromomethane	74-83-9	ug/L	5/1/2023	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/16/2023		<4			<4	<4			<4	<4								<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/29/2024		<4			<4	<4	<4	<4	<4	<4								<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/9/2024		<4.00								<4.00												
Bromomethane	74-83-9	ug/L	10/10/2024						<4.00			<4.00													
Bromomethane	74-83-9	ug/L	10/14/2024																		<4.00	<4.00		<4.00	
Bromomethane	74-83-9	ug/L	10/15/2024																				<4.00		<4.00
Bromomethane	74-83-9	ug/L	4/23/2025	<4.00										<4.00					<4.00						
Bromomethane	74-83-9	ug/L	4/24/2025													<4.00									
Bromomethane	74-83-9	ug/L	4/30/2025		<4.00							<4.00													
Bromomethane	74-83-9	ug/L	5/5/2025						<4.00																
Bromomethane	74-83-9	ug/L	5/6/2025										<4.00		<4.00										
Bromomethane	74-83-9	ug/L	5/7/2025				<4.00													<4.00	<4.00	<4.00	<4.00		
Bromomethane	74-83-9	ug/L	5/8/2025			<4.00		<4.00																	
Bromomethane	74-83-9	ug/L	5/9/2025							<4.00	<4.00													<4.00	<4.00
Butyl benzyl phthalate	85-68-7	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Butyl benzyl phthalate	85-68-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Butyl benzyl phthalate	85-68-7	ug/L	4/4/2011									<10					<10	<10							
Butyl benzyl phthalate	85-68-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Butyl benzyl phthalate	85-68-7	ug/L	6/2/2014																					<10.1	
Butyl benzyl phthalate	85-68-7	ug/L	10/15/2014																					<10	
Butyl benzyl phthalate	85-68-7	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Butyl benzyl phthalate	85-68-7	ug/L	4/4/2016									<10					<10	<10							
Butyl benzyl phthalate	85-68-7	ug/L	5/1/2018																		<10.4	<10.3			
Butyl benzyl phthalate	85-68-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Butyl benzyl phthalate	85-68-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Butyl benzyl phthalate	85-68-7	ug/L	6/24/2020		<10.4																				
Butyl benzyl phthalate	85-68-7	ug/L	10/20/2021		<8							<8					<8	<8							
Butyl benzyl phthalate	85-68-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Butyl benzyl phthalate	85-68-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Butyl benzyl phthalate	85-68-7	ug/L	4/24/2025													<10.4									
Butyl benzyl phthalate	85-68-7	ug/L	5/5/2025						<10.2																
Butyl benzyl phthalate	85-68-7	ug/L	5/6/2025										<10.4		<10.6										
Butyl benzyl phthalate	85-68-7	ug/L	5/7/2025				<10.2													<10.6					
Butyl benzyl phthalate	85-68-7	ug/L	5/8/2025			<9.80		<10.6																	
Cadmium	7440-43-9	mg/L	2/27/2008	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025															
Cadmium	7440-43-9	mg/L	5/12/2008	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025															
Cadmium	7440-43-9	mg/L	7/13/2008	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025															
Cadmium	7440-43-9	mg/L	9/14/2008	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025															
Cadmium	7440-43-9	mg/L	11/17/2008	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005															
Cadmium	7440-43-9	mg/L	4/14/2009	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025															
Cadmium	7440-43-9	mg/L	7/7/2009										<0.0025	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025					
Cadmium	7440-43-9	mg/L	9/2/2009										<0.0025	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025					
Cadmium	7440-43-9	mg/L	10/25/2009	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025					

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Cadmium	7440-43-9	mg/L	1/2/2010										<0.0025	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025					
Cadmium	7440-43-9	mg/L	3/3/2010									<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025					
Cadmium	7440-43-9	mg/L	5/10/2010	<0.0004		0.0012	<0.0004	<0.0004	<0.0004	<0.0004		<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004					
Cadmium	7440-43-9	mg/L	7/8/2010							<0.0025		<0.0025					<0.0025	<0.0025							
Cadmium	7440-43-9	mg/L	9/13/2010							<0.0025		<0.0025					<0.0025	<0.0025							
Cadmium	7440-43-9	mg/L	11/1/2010										<0.0025	<0.0025	<0.0025	<0.0025									
Cadmium	7440-43-9	mg/L	1/10/2011							<0.0005		<0.0005					<0.0005	<0.0005							
Cadmium	7440-43-9	mg/L	4/4/2011									<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0005	<0.0005	<0.0025						
Cadmium	7440-43-9	mg/L	7/8/2011							<0.0025		<0.0025					<0.0025	<0.0025							
Cadmium	7440-43-9	mg/L	8/11/2011							<0.0025		<0.0025					<0.0025	<0.0025							
Cadmium	7440-43-9	mg/L	10/13/2011	<0.0005		<0.0005		<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000573	0.00229						
Cadmium	7440-43-9	mg/L	12/5/2011				0.00058													<0.0005					
Cadmium	7440-43-9	mg/L	2/6/2012							<0.0005															
Cadmium	7440-43-9	mg/L	4/11/2012	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005					
Cadmium	7440-43-9	mg/L	6/25/2012					<0.0005		<0.0005															
Cadmium	7440-43-9	mg/L	8/1/2012							<0.0005	<0.0005										0.000664	<0.0005	<0.0005	0.000638	0.000537
Cadmium	7440-43-9	mg/L	10/11/2012	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000817	<0.0005	<0.0005	<0.0005	0.000688
Cadmium	7440-43-9	mg/L	12/13/2012								<0.0005										<0.0005	<0.0005	<0.0005	<0.0005	0.00236
Cadmium	7440-43-9	mg/L	2/4/2013								<0.0005										0.00157	<0.0005	<0.0005	<0.0005	0.00251
Cadmium	7440-43-9	mg/L	3/30/2013	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000634	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	7/10/2013																		0.00138	<0.0005	<0.0005	<0.0005	0.000746
Cadmium	7440-43-9	mg/L	10/7/2013	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00173	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00181	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	6/2/2014	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	10/15/2014	<0.0005		<0.0005	0.00036J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	4/6/2015	<0.0005		<0.0005	0.000181J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000124J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	10/5/2015	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	4/4/2016	<0.0005		<0.0005	<0.0005	<0.0005	0.000036J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000039J	0.00008J	<0.0005	<0.0005	<0.0005	0.000045J	0.000056J	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	10/17/2016	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00005J	<0.0005	<0.0005	0.000036J	<0.0005	<0.0005	<0.0005	0.000038J
Cadmium	7440-43-9	mg/L	4/17/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000091J	<0.0005	0.000112J	0.000172J	0.000074J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	10/11/2017	<0.0005		<0.0005	<0.0005	<0.0005	0.000075J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	4/20/2018											<0.0005					<0.0005	<0.0005					
Cadmium	7440-43-9	mg/L	4/23/2018	<0.0005								<0.0005	<0.0005		<0.0005	<0.0005	<0.0005								
Cadmium	7440-43-9	mg/L	4/25/2018						<0.0005		<0.0005														
Cadmium	7440-43-9	mg/L	4/30/2018			<0.0005	<0.0005	<0.0005										0.000211J							
Cadmium	7440-43-9	mg/L	5/1/2018																		<0.0005	<0.0005			
Cadmium	7440-43-9	mg/L	5/2/2018																				<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	10/16/2018	<0.0005		0.000067J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000095J	<0.0005	<0.0005	0.000066J	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	4/16/2019	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000239J	0.000118J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	10/1/2019	<0.0001	0.000044J	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.000048J	<0.0001	0.000082J	<0.0001	0.000108	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Cadmium	7440-43-9	mg/L	3/30/2020	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.000045J	<0.0001	0.000097J	<0.0001	0.000073J	0.000055J	<0.0001	<0.0001	<0.0001	<0.0001
Cadmium	7440-43-9	mg/L	6/24/2020		<0.0001																				
Cadmium	7440-43-9	mg/L	10/7/2020	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.000063J	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.000061J	<0.0001	0.000084J	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Cadmium	7440-43-9	mg/L	1/21/2021		<0.0008																				
Cadmium	7440-43-9	mg/L	4/13/2021	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008
Cadmium	7440-43-9	mg/L	10/20/2021		<0.0008			<0.0008				<0.0008					<0.0008	<0.0008			<0.0008	<0.0008	<0.0008	<0.0008	<0.0008
Cadmium	7440-43-9	mg/L	5/2/2022					<0.0008		<0.0008	<0.0008										<0.0008	<0.0008	<0.0008	<0.0008	<0.0008
Cadmium	7440-43-9	mg/L	10/14/2022					<0.0008													<0.0008	<0.0008	<0.0008	<0.0008	<0.0008
Cadmium	7440-43-9	mg/L	5/1/2023					<0.0002		<0.0002	<0.0002										<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Cadmium	7440-43-9	mg/L	10/16/2023					<0.0002													<0.0002	<0.0002	0.000102J	<0.0002	<0.0002
Cadmium	7440-43-9	mg/L	4/29/2024					<0.0002		<0.0002	<0.0002										<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Cadmium	7440-43-9	mg/L	10/14/2024																		<0.000200	<0.000200		<0.000200	
Cadmium	7440-43-9	mg/L	10/15/2024																				<0.000200		<0.000200
Cadmium	7440-43-9	mg/L	4/23/2025	<0.000200										<0.000200					<0.000200						
Cadmium	7440-43-9	mg/L	4/24/2025													<0.000200									
Cadmium	7440-43-9	mg/L	5/5/2025						<0.000200																
Cadmium	7440-43-9	mg/L	5/6/2025										<0.000200		<0.000200										
Cadmium	7440-43-9	mg/L	5/7/2025				<0.000200													0.000101	<0.000200	<0.000200	<0.000200		
Cadmium	7440-43-9	mg/L	5/8/2025			<0.000200		<0.000200																	
Cadmium	7440-43-9	mg/L	5/9/2025							<0.000200	<0.000200													<0.000200	<0.000200
Calcium	7440-70-2	mg/L	6/2/2014	131		83	129	105	49.5	64.7	87.1	109	118	68.2	95.5	83.7	228	104	106	152	135	27.4	85.2	108	110
Calcium	7440-70-2	mg/L	10/15/2014	123		84.1	160	106	46.9	66.1	95.7	115	103	62.4	120	80.5	195	121	101	127	146	28.6	90.4	112	96.7
Carbon Disulfide	75-15-0	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
Carbon Disulfide	75-15-0	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
Carbon Disulfide	75-15-0	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
Carbon Disulfide	75-15-0	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
Carbon Disulfide	75-15-0	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
Carbon Disulfide	75-15-0	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
Carbon Disulfide	75-15-0	ug/L	7/7/2009										<1	<1	<1	<1			<1	<1					
Carbon Disulfide	75-15-0	ug/L	9/2/2009										<1	<1	<1	<1			<1	<1					
Carbon Disulfide	75-15-0	ug/L	10/25/2009	<5		<5	<5	<5	<1	<5			<5	<5	<5	<1			<1	<1					
Carbon Disulfide	75-15-0	ug/L	1/2/2010										<1	<5	<1	<5			<1	<1					
Carbon Disulfide	75-15-0	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
Carbon Disulfide	75-15-0	ug/L	5/10/2010	<4		<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4					
Carbon Disulfide	75-15-0	ug/L	7/8/2010									<5					<5	<5							
Carbon Disulfide	75-15-0	ug/L	9/13/2010									<10					<10	<10							
Carbon Disulfide	75-15-0	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
Carbon Disulfide	75-15-0	ug/L	1/10/2011									<1					<1	<1							
Carbon Disulfide	75-15-0	ug/L	4/4/2011									<1					<1	<4							
Carbon Disulfide	75-15-0	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
Carbon Disulfide	75-15-0	ug/L	12/5/2011				<1													<1					
Carbon Disulfide	75-15-0	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Carbon Disulfide	75-15-0	ug/L	6/25/2012					<1		<1															
Carbon Disulfide	75-15-0	ug/L	8/1/2012							<1	<1										1.14	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	2.12	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	2.2	<1	<1	<1	<1

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Carbon Disulfide	75-15-0	ug/L	7/10/2013																		<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.295J	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.914J	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/20/2018											<1					<1	<1					
Carbon Disulfide	75-15-0	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
Carbon Disulfide	75-15-0	ug/L	4/25/2018						<1																
Carbon Disulfide	75-15-0	ug/L	4/30/2018			0.449J; 0.432J	<1	<1										<1							
Carbon Disulfide	75-15-0	ug/L	5/1/2018								<1										<1	<1			
Carbon Disulfide	75-15-0	ug/L	5/2/2018																				<1	<1	0.451J
Carbon Disulfide	75-15-0	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	6/24/2020		<1																				
Carbon Disulfide	75-15-0	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	1/21/2021		<1																				
Carbon Disulfide	75-15-0	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	ug/L	2/27/2008	<2		<2	<2	<2	<2	<2															
Carbon Tetrachloride	56-23-5	ug/L	5/12/2008	<2		<2	<2	<2	<2	<2															
Carbon Tetrachloride	56-23-5	ug/L	7/13/2008	<2		<2	<2	<2	<2	<2															
Carbon Tetrachloride	56-23-5	ug/L	9/14/2008	<2		<2	<2	<2	<2	<2															
Carbon Tetrachloride	56-23-5	ug/L	11/17/2008	<2		<2	<2	<2	<2	<2															
Carbon Tetrachloride	56-23-5	ug/L	4/14/2009	<2		<2	<2	<2	<2	<2															
Carbon Tetrachloride	56-23-5	ug/L	7/7/2009										<2	<2	<2	<2			<2	<2					
Carbon Tetrachloride	56-23-5	ug/L	9/2/2009										<2	<2	<2	<2			<2	<2					
Carbon Tetrachloride	56-23-5	ug/L	10/25/2009	<2		<5	<2	<2	<2	<5			<2	<2	<2	<2			<2	<2					
Carbon Tetrachloride	56-23-5	ug/L	1/2/2010										<2	<5	<2	<5			<2	<2					
Carbon Tetrachloride	56-23-5	ug/L	3/3/2010									<2	<2	<2	<2	<2	<2	<2	<2	<2					
Carbon Tetrachloride	56-23-5	ug/L	5/10/2010	<4		<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4					
Carbon Tetrachloride	56-23-5	ug/L	7/8/2010									<5					<5	<5							
Carbon Tetrachloride	56-23-5	ug/L	9/13/2010									<5					<5	<5							
Carbon Tetrachloride	56-23-5	ug/L	11/1/2010	<5		<2		<5	<5	<2			<5	<5	<5	<5									
Carbon Tetrachloride	56-23-5	ug/L	1/10/2011									<2					<2	<2							
Carbon Tetrachloride	56-23-5	ug/L	4/4/2011									<2					<2	<4							
Carbon Tetrachloride	56-23-5	ug/L	10/13/2011	<2		<2		<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2						
Carbon Tetrachloride	56-23-5	ug/L	12/5/2011				<2													<2					
Carbon Tetrachloride	56-23-5	ug/L	4/11/2012	<2		<2	<2	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2					
Carbon Tetrachloride	56-23-5	ug/L	6/25/2012					<2		<2															
Carbon Tetrachloride	56-23-5	ug/L	8/1/2012							<2	<2										<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/11/2012	<2		<2	<2	<2	<2		<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	12/13/2012								<2										<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	2/4/2013								<2										<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	3/30/2013	<2		<2	<2	<2	<2		<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	7/10/2013																		<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/7/2013	<2		<2			<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	6/2/2014	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/15/2014	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/6/2015	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/5/2015	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/4/2016	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/17/2016	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/17/2017	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/11/2017	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/20/2018											<2					<2	<2					
Carbon Tetrachloride	56-23-5	ug/L	4/23/2018	<2								<2	<2		<2	<2	<2								
Carbon Tetrachloride	56-23-5	ug/L	4/25/2018						<2																
Carbon Tetrachloride	56-23-5	ug/L	4/30/2018			<2	<2	<2										<2							
Carbon Tetrachloride	56-23-5	ug/L	5/1/2018								<2										<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	5/2/2018																				<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/16/2018	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/16/2019	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/1/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	3/30/2020	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	6/24/2020		<2																				
Carbon Tetrachloride	56-23-5	ug/L	10/7/2020	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	1/21/2021		<1																				
Carbon Tetrachloride	56-23-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	ug/L	5/2/2022		<1			0.4J	0.6J	<1	<1	<1	<1								<1	<1	<1	<1	0.5J; 0.4J
Carbon Tetrachloride	56-23-5	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	ug/L	5/1/2023	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/16/2023		<2			<2	<2			<2	<2								<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/29/2024		<2			<2	<2	<2	<2	<2	<2								<2	<2	<2	<2	<2
Carbon disulfide	75-15-0	ug/L	10/9/2024		<1.00								<1.00												

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Carbon disulfide	75-15-0	ug/L	10/10/2024						<1.00			<1.00													
Carbon disulfide	75-15-0	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
Carbon disulfide	75-15-0	ug/L	10/15/2024																				<1.00		<1.00
Carbon disulfide	75-15-0	ug/L	4/23/2025	<1.00										<1.00					<1.00						
Carbon disulfide	75-15-0	ug/L	4/24/2025													<1.00									
Carbon disulfide	75-15-0	ug/L	4/30/2025		<1.00							<1.00													
Carbon disulfide	75-15-0	ug/L	5/5/2025						<1.00																
Carbon disulfide	75-15-0	ug/L	5/6/2025										<1.00		<1.00										
Carbon disulfide	75-15-0	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
Carbon disulfide	75-15-0	ug/L	5/8/2025			<1.00		<1.00																	
Carbon disulfide	75-15-0	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
Carbon tetrachloride	56-23-5	ug/L	10/9/2024		<2.00								<2.00												
Carbon tetrachloride	56-23-5	ug/L	10/10/2024						<2.00			<2.00													
Carbon tetrachloride	56-23-5	ug/L	10/14/2024																		<2.00	<2.00		<2.00	
Carbon tetrachloride	56-23-5	ug/L	10/15/2024																				<2.00		<2.00
Carbon tetrachloride	56-23-5	ug/L	4/23/2025	<2.00										<2.00					<2.00						
Carbon tetrachloride	56-23-5	ug/L	4/24/2025													<2.00									
Carbon tetrachloride	56-23-5	ug/L	4/30/2025		<2.00							<2.00													
Carbon tetrachloride	56-23-5	ug/L	5/5/2025						<2.00																
Carbon tetrachloride	56-23-5	ug/L	5/6/2025										<2.00		<2.00										
Carbon tetrachloride	56-23-5	ug/L	5/7/2025				<2.00													<2.00	<2.00	<2.00	<2.00		
Carbon tetrachloride	56-23-5	ug/L	5/8/2025			<2.00		<2.00																	
Carbon tetrachloride	56-23-5	ug/L	5/9/2025							<2.00	<2.00													<2.00	<2.00
Carbonate	CARB	mg/L	6/2/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbonate	CARB	mg/L	10/15/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlordane	57-74-9	ug/L	4/14/2009	<2		<2	<2	<2	<2	<2															
Chlordane	57-74-9	ug/L	10/25/2009							<2															
Chlordane	57-74-9	ug/L	5/10/2010	<2		<2	<2	<2	<2	<2			<2	<2	<2	<2			<2	<2					
Chlordane	57-74-9	ug/L	4/4/2011									<2					<2	<2							
Chlordane	57-74-9	ug/L	10/11/2012								<2														
Chlordane	57-74-9	ug/L	7/10/2013																		<2.04	<2.02	<2.02	<2.17	<2.17
Chlordane	57-74-9	ug/L	10/5/2015	<2.04		<2.11	<2	<2.04	<2.02				<2.08	<2.02	<2	<2.06			<2.17	<2.02					
Chlordane	57-74-9	ug/L	4/4/2016									<2					<2	<2							
Chlordane	57-74-9	ug/L	5/1/2018																		<2.08	<2.02			
Chlordane	57-74-9	ug/L	5/2/2018																				<2.11	<2.11	<2.08
Chlordane	57-74-9	ug/L	3/30/2020	<2.08		<2.11	<2.08	<2.15	<2.11				<2.11	<2.08	<2.08	<2.08			<2.06	<2.06					
Chlordane	57-74-9	ug/L	6/24/2020		<2.11																				
Chlordane	57-74-9	ug/L	10/20/2021		<0.1							<0.1					<0.1	<0.1							
Chlordane	57-74-9	ug/L	5/1/2023																		<2	<2.33	<2.22	<2	<2
Chlordane (technical)	12789-03-6	ug/L	4/23/2025	<1.82										<1.79					<1.81						
Chlordane (technical)	12789-03-6	ug/L	4/24/2025													<1.84									
Chlordane (technical)	12789-03-6	ug/L	5/5/2025						<1.79																
Chlordane (technical)	12789-03-6	ug/L	5/6/2025										<1.81		<1.80										
Chlordane (technical)	12789-03-6	ug/L	5/7/2025				<1.81													<1.81					
Chlordane (technical)	12789-03-6	ug/L	5/8/2025			<1.76		<1.81																	
Chloride	16887-00-6	mg/L	6/2/2014	6.74		3.51J	3.67J	14.5	2.28J	2.29J	10.6	29.6	16.5	6.6	7.28	109	241	8.29	4.09J	15.4	28.4	2.67J	3.54J	<5	3.33J
Chloride	16887-00-6	mg/L	10/15/2014	6.61		3.84J	4.15J	15.1	2.02J	1.66J	11.8	26	10.9	5.08	7.82	88.1	50	7.64	3.62J	10.7	27.6	3.33J	3.94J	1.81J	3.32J
Chlorobenzene	108-90-7	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
Chlorobenzene	108-90-7	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
Chlorobenzene	108-90-7	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
Chlorobenzene	108-90-7	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
Chlorobenzene	108-90-7	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
Chlorobenzene	108-90-7	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
Chlorobenzene	108-90-7	ug/L	7/7/2009										<1	<1	<1	<1			<1	<1					
Chlorobenzene	108-90-7	ug/L	9/2/2009										<1	<1	<1	<1			<1	<1					
Chlorobenzene	108-90-7	ug/L	10/25/2009	<2		<1	<2	<2	<1	<1			<2	<2	<2	<1			<1	<1					
Chlorobenzene	108-90-7	ug/L	1/2/2010										<1	<1	<1	<1			<1	<1					
Chlorobenzene	108-90-7	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
Chlorobenzene	108-90-7	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Chlorobenzene	108-90-7	ug/L	7/8/2010									<1					<1	<1							
Chlorobenzene	108-90-7	ug/L	9/13/2010									<1					<1	<1							
Chlorobenzene	108-90-7	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
Chlorobenzene	108-90-7	ug/L	1/10/2011									<1					<1	<1							
Chlorobenzene	108-90-7	ug/L	4/4/2011									<1					<1	<1							
Chlorobenzene	108-90-7	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
Chlorobenzene	108-90-7	ug/L	12/5/2011				<1													<1					
Chlorobenzene	108-90-7	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Chlorobenzene	108-90-7	ug/L	6/25/2012					<1		<1															
Chlorobenzene	108-90-7	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	7/10/2013																		<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.222J	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/20/2018											<1					<1	<1					
Chlorobenzene	108-90-7	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
Chlorobenzene	108-90-7	ug/L	4/25/2018						<1																
Chlorobenzene	108-90-7	ug/L	4/30/2018			<1	<1	<1										<1							

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Chlorobenzene	108-90-7	ug/L	5/1/2018								<1										<1	<1			
Chlorobenzene	108-90-7	ug/L	5/2/2018																				<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	6/24/2020		<1																				
Chlorobenzene	108-90-7	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	1/21/2021		<1																				
Chlorobenzene	108-90-7	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/9/2024		<1.00								<1.00												
Chlorobenzene	108-90-7	ug/L	10/10/2024						<1.00			<1.00													
Chlorobenzene	108-90-7	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
Chlorobenzene	108-90-7	ug/L	10/15/2024																				<1.00		<1.00
Chlorobenzene	108-90-7	ug/L	4/23/2025	<1.00										<1.00					<1.00						
Chlorobenzene	108-90-7	ug/L	4/24/2025													<1.00									
Chlorobenzene	108-90-7	ug/L	4/30/2025		<1.00							<1.00													
Chlorobenzene	108-90-7	ug/L	5/5/2025						<1.00																
Chlorobenzene	108-90-7	ug/L	5/6/2025										<1.00		<1.00										
Chlorobenzene	108-90-7	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
Chlorobenzene	108-90-7	ug/L	5/8/2025			<1.00		<1.00																	
Chlorobenzene	108-90-7	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
Chlorobenzilate	510-15-6	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Chlorobenzilate	510-15-6	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Chlorobenzilate	510-15-6	ug/L	4/4/2011									<10					<10	<10							
Chlorobenzilate	510-15-6	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Chlorobenzilate	510-15-6	ug/L	6/2/2014																					<10.1	
Chlorobenzilate	510-15-6	ug/L	10/15/2014																					<10	
Chlorobenzilate	510-15-6	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Chlorobenzilate	510-15-6	ug/L	4/4/2016									<10					<10	<10							
Chlorobenzilate	510-15-6	ug/L	5/1/2018																		<10.4	<10.3			
Chlorobenzilate	510-15-6	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Chlorobenzilate	510-15-6	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Chlorobenzilate	510-15-6	ug/L	6/24/2020		<10.4																				
Chlorobenzilate	510-15-6	ug/L	10/20/2021		<8							<8					<8	<8							
Chlorobenzilate	510-15-6	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Chlorobenzilate	510-15-6	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Chlorobenzilate	510-15-6	ug/L	4/24/2025													<10.4									
Chlorobenzilate	510-15-6	ug/L	5/5/2025						<10.2																
Chlorobenzilate	510-15-6	ug/L	5/6/2025										<10.4		<10.6										
Chlorobenzilate	510-15-6	ug/L	5/7/2025				<10.2													<10.6					
Chlorobenzilate	510-15-6	ug/L	5/8/2025			<9.80		<10.6																	
Chlorodibromomethane	124-48-1	ug/L	2/27/2008	<5		<5	<5	<5	<5	<5															
Chlorodibromomethane	124-48-1	ug/L	5/12/2008	<5		<5	<5	<5	<5	<5															
Chlorodibromomethane	124-48-1	ug/L	7/13/2008	<5		<5	<5	<5	<5	<5															
Chlorodibromomethane	124-48-1	ug/L	9/14/2008	<5		<5	<5	<5	<5	<5															
Chlorodibromomethane	124-48-1	ug/L	11/17/2008	<5		<5	<5	<5	<5	<5															
Chlorodibromomethane	124-48-1	ug/L	4/14/2009	<5		<5	<5	<5	<5	<5															
Chlorodibromomethane	124-48-1	ug/L	7/7/2009										<5	<5	<5	<5			<5	<5					
Chlorodibromomethane	124-48-1	ug/L	9/2/2009										<5	<5	<5	<5			<5	<5					
Chlorodibromomethane	124-48-1	ug/L	10/25/2009	<5		<10	<5	<5	<5	<10			<5	<5	<5	<5			<5	<5					
Chlorodibromomethane	124-48-1	ug/L	1/2/2010										<10	<50	<10	<50			<10	<10					
Chlorodibromomethane	124-48-1	ug/L	3/3/2010									<5	<5	<5	<5	<5	<5	<5	<5	<5					
Chlorodibromomethane	124-48-1	ug/L	5/10/2010	<5		<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5					
Chlorodibromomethane	124-48-1	ug/L	7/8/2010									<5					<5	<5							
Chlorodibromomethane	124-48-1	ug/L	9/13/2010									<5					<5	<5							
Chlorodibromomethane	124-48-1	ug/L	11/1/2010	<5		<5		<5	<5	<5			<5	<5	<5	<5									
Chlorodibromomethane	124-48-1	ug/L	1/10/2011									<5					<5	<5							
Chlorodibromomethane	124-48-1	ug/L	4/4/2011									<5					<5	<5							
Chlorodibromomethane	124-48-1	ug/L	10/13/2011	<5		<5		<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5						
Chlorodibromomethane	124-48-1	ug/L	12/5/2011				<5													<5					
Chlorodibromomethane	124-48-1	ug/L	4/11/2012	<5		<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5					
Chlorodibromomethane	124-48-1	ug/L	6/25/2012					<5		<5															
Chlorodibromomethane	124-48-1	ug/L	8/1/2012							<5	<5										<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/11/2012	<5		<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	12/13/2012								<5										<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	2/4/2013								<5										<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	3/30/2013	<5		<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	7/10/2013																		<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/7/2013	<5		<5			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	6/2/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/15/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/6/2015	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/5/2015	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/4/2016	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/17/2016	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/17/2017	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/11/2017	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/20/2018											<5					<5	<5					
Chlorodibromomethane	124-48-1	ug/L	4/23/2018	<5								<5	<5		<5	<5	<5								
Chlorodibromomethane	124-48-1	ug/L	4/25/2018						<5																

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Chlorodibromomethane	124-48-1	ug/L	4/30/2018			<5	<5	<5										<5							
Chlorodibromomethane	124-48-1	ug/L	5/1/2018								<5										<5	<5			
Chlorodibromomethane	124-48-1	ug/L	5/2/2018																				<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/16/2018	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/16/2019	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	6/24/2020		<5																				
Chlorodibromomethane	124-48-1	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorodibromomethane	124-48-1	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Chlorodibromomethane	124-48-1	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Chlorodibromomethane	124-48-1	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Chlorodibromomethane	124-48-1	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/16/2023		<5			<5	<5			<5	<5								<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/29/2024		<5			<5	<5	<5	<5	<5	<5								<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/9/2024		<5.00								<5.00												
Chlorodibromomethane	124-48-1	ug/L	10/10/2024						<5.00			<5.00													
Chlorodibromomethane	124-48-1	ug/L	10/14/2024																		<5.00	<5.00		<5.00	
Chlorodibromomethane	124-48-1	ug/L	10/15/2024																				<5.00		<5.00
Chlorodibromomethane	124-48-1	ug/L	4/23/2025	<5.00										<5.00					<5.00						
Chlorodibromomethane	124-48-1	ug/L	4/24/2025													<5.00									
Chlorodibromomethane	124-48-1	ug/L	4/30/2025		<5.00							<5.00													
Chlorodibromomethane	124-48-1	ug/L	5/5/2025						<5.00																
Chlorodibromomethane	124-48-1	ug/L	5/6/2025										<5.00		<5.00										
Chlorodibromomethane	124-48-1	ug/L	5/7/2025				<5.00													<5.00	<5.00	<5.00	<5.00		
Chlorodibromomethane	124-48-1	ug/L	5/8/2025			<5.00		<5.00																	
Chlorodibromomethane	124-48-1	ug/L	5/9/2025							<5.00	<5.00													<5.00	<5.00
Chloroethane	75-00-3	ug/L	2/27/2008	<4		<4	<4	<4	<4	<4															
Chloroethane	75-00-3	ug/L	5/12/2008	<4		<4	<4	<4	<4	<4															
Chloroethane	75-00-3	ug/L	7/13/2008	<4		<4	<4	<4	<4	<4															
Chloroethane	75-00-3	ug/L	9/14/2008	<4		<4	<4	<4	<4	<4															
Chloroethane	75-00-3	ug/L	11/17/2008	<4		<4	<4	<4	<4	<4															
Chloroethane	75-00-3	ug/L	4/14/2009	<4		<4	<4	<4	<4	<4															
Chloroethane	75-00-3	ug/L	7/7/2009							<4			<4	<4	<4	6.66			<4	<4					
Chloroethane	75-00-3	ug/L	9/2/2009							<4			<4	<4	<4	<4			<4	<4					
Chloroethane	75-00-3	ug/L	10/25/2009	<4		<4	<4	<4	<4	<4			<4	<4	<4	<4			<4	<4					
Chloroethane	75-00-3	ug/L	1/2/2010							<4			<4	<4	<4	<4			<4	<4					
Chloroethane	75-00-3	ug/L	3/3/2010									<4	<4	<4	<4	<4	<4	<4	<4	<4					
Chloroethane	75-00-3	ug/L	5/10/2010	<4		<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4					
Chloroethane	75-00-3	ug/L	7/8/2010							<4		<4					<4	<4							
Chloroethane	75-00-3	ug/L	9/13/2010							<4		<4					<4	<4							
Chloroethane	75-00-3	ug/L	11/1/2010	<4		<4		<4	<4	<4			<4	<4	<4	<4									
Chloroethane	75-00-3	ug/L	1/10/2011							<4		<4					<4	<4							
Chloroethane	75-00-3	ug/L	4/4/2011							<4		<4					<4	<4							
Chloroethane	75-00-3	ug/L	10/13/2011	<4		<4		<4	<4	<4		<4	<4	<4	<4	5.08	<4	<4	<4						
Chloroethane	75-00-3	ug/L	12/5/2011				<4													<4					
Chloroethane	75-00-3	ug/L	4/11/2012	<4		<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4					
Chloroethane	75-00-3	ug/L	6/25/2012					<4		<4															
Chloroethane	75-00-3	ug/L	8/1/2012							<4	<4										<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/11/2012	<4		<4	<4	<4	<4		<4	<4		<4	<4	4.92	8.25	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	12/13/2012								<4										<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	2/4/2013								<4										<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	3/30/2013	<4		<4	<4	<4	<4		<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	7/10/2013																		<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/7/2013	<4		<4			<4	<4	<4	<4	<4	<4	<4	<4	8.54	<4	<4		<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	6/2/2014	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	1.28J	2.89J	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/15/2014	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	1.1J	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/6/2015	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	2.06J	3.53J	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/5/2015	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	2.2J	3.75J	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/4/2016	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	0.343J	0.749J	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/17/2016	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	3.75J	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/17/2017	0.691J		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/11/2017	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	1.88J	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/20/2018											<4					<4	<4					
Chloroethane	75-00-3	ug/L	4/23/2018	<4								<4	<4		<4	<4	<4								
Chloroethane	75-00-3	ug/L	4/25/2018						<4																
Chloroethane	75-00-3	ug/L	4/30/2018			<4	<4	<4										<4							
Chloroethane	75-00-3	ug/L	5/1/2018								<4										<4	<4			
Chloroethane	75-00-3	ug/L	5/2/2018																				<4	<4	<4
Chloroethane	75-00-3	ug/L	10/16/2018	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/16/2019	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/1/2019	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	3/30/2020	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	6/24/2020		<4																				
Chloroethane	75-00-3	ug/L	10/7/2020	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	1.61J	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	1/21/2021		<1																				
Chloroethane	75-00-3	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	75-00-3	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Chloroethane	75-00-3	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Chloroethane	75-00-3	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Chloroethane	75-00-3	ug/L	5/1/2023	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/16/2023		<4			<4	<4			<4	<4								<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/29/2024		<4			<4	<4	<4	<4	<4	<4								<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/9/2024		<4.00								<4.00												
Chloroethane	75-00-3	ug/L	10/10/2024						<4.00			<4.00													
Chloroethane	75-00-3	ug/L	10/14/2024																		<4.00	<4.00		<4.00	

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Chloroethane	75-00-3	ug/L	10/15/2024																				<4.00		<4.00
Chloroethane	75-00-3	ug/L	4/23/2025	<4.00										<4.00					<4.00						
Chloroethane	75-00-3	ug/L	4/24/2025													<4.00									
Chloroethane	75-00-3	ug/L	4/30/2025		<4.00							<4.00													
Chloroethane	75-00-3	ug/L	5/5/2025						<4.00																
Chloroethane	75-00-3	ug/L	5/6/2025										<4.00		<4.00										
Chloroethane	75-00-3	ug/L	5/7/2025				<4.00													<4.00	<4.00	<4.00	<4.00		
Chloroethane	75-00-3	ug/L	5/8/2025			<4.00		<4.00																	
Chloroethane	75-00-3	ug/L	5/9/2025							<4.00	<4.00													<4.00	<4.00
Chloroform	67-66-3	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
Chloroform	67-66-3	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
Chloroform	67-66-3	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
Chloroform	67-66-3	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
Chloroform	67-66-3	ug/L	11/17/2008	<1		<2.5	<1	<1	<2.5	<1															
Chloroform	67-66-3	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
Chloroform	67-66-3	ug/L	7/7/2009										<1	<1	<1	<1			<1	<1					
Chloroform	67-66-3	ug/L	9/2/2009										<1	<1	<1	<1			<1	<1					
Chloroform	67-66-3	ug/L	10/25/2009	<2		<1	<2	<2	<1	<1			<2	<2	<2	<1			<1	<1					
Chloroform	67-66-3	ug/L	1/2/2010										<1	<1	<1	<1			<1	<1					
Chloroform	67-66-3	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
Chloroform	67-66-3	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Chloroform	67-66-3	ug/L	7/8/2010									<1					<1	<1							
Chloroform	67-66-3	ug/L	9/13/2010									<1					<1	<1							
Chloroform	67-66-3	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
Chloroform	67-66-3	ug/L	1/10/2011									<1					<1	<1							
Chloroform	67-66-3	ug/L	4/4/2011									<1					<1	<1							
Chloroform	67-66-3	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
Chloroform	67-66-3	ug/L	12/5/2011				<1													<1					
Chloroform	67-66-3	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Chloroform	67-66-3	ug/L	6/25/2012					<1		<1															
Chloroform	67-66-3	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/11/2012	<2		<1	<1	<1	<1		<1	<2		<1	<1	<2	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	7/10/2013																		<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	4/17/2017	0.687J		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	4/20/2018											<1					<1	<1					
Chloroform	67-66-3	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
Chloroform	67-66-3	ug/L	4/25/2018						<1																
Chloroform	67-66-3	ug/L	4/30/2018			<1	<1	<1										<1							
Chloroform	67-66-3	ug/L	5/1/2018								<1										<1	<1			
Chloroform	67-66-3	ug/L	5/2/2018																				<1	<1	<1
Chloroform	67-66-3	ug/L	10/16/2018	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	4/16/2019	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	10/1/2019	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	3/30/2020	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	6/24/2020		<3																				
Chloroform	67-66-3	ug/L	10/7/2020	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	1/21/2021		<1																				
Chloroform	67-66-3	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	5/1/2023	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	10/16/2023		<3			<3	<3			<3	<3								<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	4/29/2024		<3			<3	<3	<3	<3	<3	<3								<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	10/9/2024		<3.00								<3.00												
Chloroform	67-66-3	ug/L	10/10/2024						<3.00			<3.00													
Chloroform	67-66-3	ug/L	10/14/2024																		<3.00	<3.00		<3.00	
Chloroform	67-66-3	ug/L	10/15/2024																				<3.00		<3.00
Chloroform	67-66-3	ug/L	4/23/2025	<3.00										<3.00					<3.00						
Chloroform	67-66-3	ug/L	4/24/2025													<3.00									
Chloroform	67-66-3	ug/L	4/30/2025		<3.00							<3.00													
Chloroform	67-66-3	ug/L	5/5/2025						<3.00																
Chloroform	67-66-3	ug/L	5/6/2025										<3.00		<3.00										
Chloroform	67-66-3	ug/L	5/7/2025				<3.00													<3.00	<3.00	<3.00	<3.00		
Chloroform	67-66-3	ug/L	5/8/2025			<3.00		<3.00																	
Chloroform	67-66-3	ug/L	5/9/2025							<3.00	<3.00													<3.00	<3.00
Chloromethane	74-87-3	ug/L	2/27/2008	<3		<3	<3	<3	<3	<3															
Chloromethane	74-87-3	ug/L	5/12/2008	<3		<3	<3	<3	<3	<3															
Chloromethane	74-87-3	ug/L	7/13/2008	<3		<3	<3	<3	<3	<3															
Chloromethane	74-87-3	ug/L	9/14/2008	<3		<3	<3	<3	<3	<3															
Chloromethane	74-87-3	ug/L	11/17/2008	<3		<3	<3	<3	<3	<3															
Chloromethane	74-87-3	ug/L	4/14/2009	<3		<3	<3	<3	<3	<3															
Chloromethane	74-87-3	ug/L	7/7/2009										<3	<3	<3	<3			<3	<3					
Chloromethane	74-87-3	ug/L	9/2/2009										<3	<3	<3	<3			<3	<3					
Chloromethane	74-87-3	ug/L	10/25/2009	<3		<3	<3	<3	<3	<3			<3	<3	<3	<3			<3	<3					
Chloromethane	74-87-3	ug/L	1/2/2010										<3	<3	<3	<3			<3	<3					

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Chloromethane	74-87-3	ug/L	3/3/2010									<3	<3	<3	<3	<3	<3	<3	<3	<3					
Chloromethane	74-87-3	ug/L	5/10/2010	<3		<3	<3	<3	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3					
Chloromethane	74-87-3	ug/L	7/8/2010									<3					<3	<3							
Chloromethane	74-87-3	ug/L	9/13/2010									<3					<3	<3							
Chloromethane	74-87-3	ug/L	11/1/2010	<3		<3		<3	<3	<3			<3	<3	<3	<3									
Chloromethane	74-87-3	ug/L	1/10/2011									<3					<3	<3							
Chloromethane	74-87-3	ug/L	4/4/2011									<3					<3	<3							
Chloromethane	74-87-3	ug/L	10/13/2011	<3		<3		<3	<3	<3		<3	<3	<3	<3	<3	<3	<3	3.16						
Chloromethane	74-87-3	ug/L	12/5/2011				<3													<3					
Chloromethane	74-87-3	ug/L	4/11/2012	<3		<3	<3	<3	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3					
Chloromethane	74-87-3	ug/L	6/25/2012					<3		<3															
Chloromethane	74-87-3	ug/L	8/1/2012							<3	<3										<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/11/2012	<3		<3	<3	<3	<3		<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	12/13/2012								<3										<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	2/4/2013								<3										<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	3/30/2013	<3		<3	<3	<3	<3		<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	7/10/2013																		<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/7/2013	<3		<3			<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	6/2/2014	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/15/2014	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/6/2015	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/5/2015	<3		<3	<3	<3	<3	0.635J	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/4/2016	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/17/2016	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/17/2017	0.39J		<3	0.389J	<3	<3	0.366J	0.407J	0.425J	<3	0.421J	0.514J	0.591J	0.532J	<3	<3	<3	0.321J	<3	<3	0.349J	<3
Chloromethane	74-87-3	ug/L	10/11/2017	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/20/2018											<3					<3	<3					
Chloromethane	74-87-3	ug/L	4/23/2018	<3								<3	<3		<3	<3	<3								
Chloromethane	74-87-3	ug/L	4/25/2018						<3																
Chloromethane	74-87-3	ug/L	4/30/2018			<3	<3	<3										<3							
Chloromethane	74-87-3	ug/L	5/1/2018								<3										<3	<3			
Chloromethane	74-87-3	ug/L	5/2/2018																				<3	<3	<3
Chloromethane	74-87-3	ug/L	10/16/2018	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/16/2019	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/1/2019	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	3/30/2020	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	6/24/2020		<3																				
Chloromethane	74-87-3	ug/L	10/7/2020	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	1/21/2021		<1																				
Chloromethane	74-87-3	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	74-87-3	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Chloromethane	74-87-3	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Chloromethane	74-87-3	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Chloromethane	74-87-3	ug/L	5/1/2023	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/16/2023		<3			<3	<3			<3	<3								<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/29/2024		<3			<3	<3	<3	<3	<3	<3								<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/9/2024		<3.00								<3.00												
Chloromethane	74-87-3	ug/L	10/10/2024						<3.00			<3.00													
Chloromethane	74-87-3	ug/L	10/14/2024																		<3.00	<3.00		<3.00	
Chloromethane	74-87-3	ug/L	10/15/2024																				<3.00		<3.00
Chloromethane	74-87-3	ug/L	4/23/2025	<3.00										<3.00					<3.00						
Chloromethane	74-87-3	ug/L	4/24/2025													<3.00									
Chloromethane	74-87-3	ug/L	4/30/2025		<3.00							<3.00													
Chloromethane	74-87-3	ug/L	5/5/2025						<3.00																
Chloromethane	74-87-3	ug/L	5/6/2025										<3.00		<3.00										
Chloromethane	74-87-3	ug/L	5/7/2025				<3.00													<3.00	<3.00	<3.00	<3.00		
Chloromethane	74-87-3	ug/L	5/8/2025			<3.00		<3.00																	
Chloromethane	74-87-3	ug/L	5/9/2025							<3.00	<3.00													<3.00	<3.00
Chloroprene	126-99-8	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
Chloroprene	126-99-8	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1			<1	<1	<1	<1			<1	<1					
Chloroprene	126-99-8	ug/L	4/4/2011									<1					<1	<1							
Chloroprene	126-99-8	ug/L	10/11/2012								<1														
Chloroprene	126-99-8	ug/L	7/10/2013																		<1	<1	<1	<1	<1
Chloroprene	126-99-8	ug/L	10/5/2015	<1		<1	<1	<1	<1			<1	<1	<1	<1	<1			<1	<1					
Chloroprene	126-99-8	ug/L	4/4/2016									<1					<1	<1							
Chloroprene	126-99-8	ug/L	5/1/2018																		<1	<1			
Chloroprene	126-99-8	ug/L	5/2/2018																				<1	<1	<1
Chloroprene	126-99-8	ug/L	3/30/2020	<1		<1	<1	<1	<1				<1	<1	<1	<1			<1	<1					
Chloroprene	126-99-8	ug/L	6/24/2020		<1																				
Chloroprene	126-99-8	ug/L	10/20/2021		<1							<1					<1	<1							
Chloroprene	126-99-8	ug/L	5/1/2023																		<1	<1	<1	<1	<1
Chloroprene	126-99-8	ug/L	4/23/2025	<1.00										<1.00					<1.00						
Chloroprene	126-99-8	ug/L	4/24/2025													<1.00									
Chloroprene	126-99-8	ug/L	5/5/2025						<1.00																
Chloroprene	126-99-8	ug/L	5/6/2025										<1.00		<1.00										
Chloroprene	126-99-8	ug/L	5/7/2025				<1.00													<1.00					
Chloroprene	126-99-8	ug/L	5/8/2025			<1.00		<1.00																	
Chromium	7440-47-3	mg/L	2/27/2008	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1															
Chromium	7440-47-3	mg/L	5/12/2008	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1															
Chromium	7440-47-3	mg/L	7/13/2008	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1															
Chromium	7440-47-3	mg/L	9/14/2008	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1															
Chromium	7440-47-3	mg/L	11/17/2008	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02															
Chromium	7440-47-3	mg/L	4/14/2009	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1															
Chromium	7440-47-3	mg/L	7/7/2009										<0.1	<0.1	<0.1	<0.1			<0.1	<0.1					
Chromium	7440-47-3	mg/L	9/2/2009										<0.1	<0.1	<0.1	<0.1			<0.1	<0.1					
Chromium	7440-47-3	mg/L	10/25/2009	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1			0.113	<0.1	<0.1	<0.1			<0.1	<0.1					
Chromium	7440-47-3	mg/L	1/2/2010										0.405	<0.1	<0.1	<0.1			<0.1	<0.1					

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Chromium	7440-47-3	mg/L	3/3/2010									0.9	0.17	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					
Chromium	7440-47-3	mg/L	5/10/2010	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02					
Chromium	7440-47-3	mg/L	7/8/2010									<0.1					<0.1	<0.1							
Chromium	7440-47-3	mg/L	9/13/2010									<0.1					<0.1	<0.1							
Chromium	7440-47-3	mg/L	11/1/2010										<0.1	<0.1	<0.1	<0.1									
Chromium	7440-47-3	mg/L	1/10/2011									<0.02					<0.02	<0.02							
Chromium	7440-47-3	mg/L	4/4/2011									<0.02	<0.1	<0.1	<0.1	<0.1	<0.02	<0.02	<0.1						
Chromium	7440-47-3	mg/L	7/8/2011							<0.1		<0.1					<0.1	<0.1							
Chromium	7440-47-3	mg/L	8/11/2011							<0.1		<0.1					<0.1	<0.1							
Chromium	7440-47-3	mg/L	10/13/2011	<0.06		<0.02		<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02						
Chromium	7440-47-3	mg/L	12/5/2011				<0.02													<0.02					
Chromium	7440-47-3	mg/L	4/11/2012	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02					
Chromium	7440-47-3	mg/L	6/25/2012					<0.02		<0.02															
Chromium	7440-47-3	mg/L	8/1/2012							<0.02	<0.02										<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	10/11/2012	<0.02		<0.02	<0.02	<0.02	<0.02		<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	12/13/2012								0.0411										0.0367	0.0661	<0.02	<0.02	0.242
Chromium	7440-47-3	mg/L	2/4/2013								0.0477										<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	3/30/2013	<0.02		<0.02	<0.02	<0.02	<0.02		<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	7/10/2013																		<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	10/7/2013	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0224	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	6/2/2014	<0.02		<0.04	<0.02	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	<0.02
Chromium	7440-47-3	mg/L	10/15/2014	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	4/6/2015	0.00138J		0.00201J; 0.00192J	<0.005	<0.005	<0.005	<0.005	0.00386J	<0.005	<0.005	0.00147J	0.00212J	<0.005	<0.005	<0.005	0.00635	<0.005	<0.005	0.00127J	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/5/2015	<0.005		0.00177J	<0.005	<0.005	<0.005	<0.005	0.00223J	<0.005	<0.005	0.00243J	0.00226J	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	0.00176J; 0.00153J	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	4/4/2016	0.00169J		0.00239J	<0.005	0.00224J	<0.005	0.000794J	0.00272J	0.000899J	<0.005	0.00207J	0.0021J	<0.005	0.000421J	<0.005	0.00481J	0.000675J	<0.005	0.00143J	0.000528J	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/17/2016	0.00146J		0.00109J	<0.005	0.000937J	<0.005	<0.005	0.00182J	0.000459J	<0.005	0.00151J	0.00172J	<0.005	<0.005	<0.005	0.000443J	<0.005	<0.005	0.000744J	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	4/17/2017	0.00162J		0.00169J	<0.005	0.00143J	<0.005	<0.005	0.00339J	<0.005	<0.005	0.00171J	0.00398J	<0.005	<0.005	<0.005	0.00648	<0.005	<0.005	0.00117J	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/11/2017	0.00159J		<0.005	<0.005	0.000839J	<0.005	<0.005	0.00216J	<0.005	<0.005	0.00146J	0.00443J	0.000803J	0.00136J	<0.005	0.00301J	<0.005	<0.005	0.000921J	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	4/20/2018											0.000855J					0.00287J	<0.005					
Chromium	7440-47-3	mg/L	4/23/2018	<0.005								<0.005	<0.005		0.00403J	<0.005	<0.005								
Chromium	7440-47-3	mg/L	4/25/2018						<0.005		0.00263J														
Chromium	7440-47-3	mg/L	4/30/2018			0.00227J; 0.0023J	<0.005	0.000983J										<0.005							
Chromium	7440-47-3	mg/L	5/1/2018																		<0.005	0.00122J			
Chromium	7440-47-3	mg/L	5/2/2018																				<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/16/2018	0.00286J		0.00214J	<0.005	0.00128J	<0.005	0.00462J	0.00559	0.00466J	0.00127J	0.00273J	0.00487J	0.00124J	0.00163J	<0.005	0.0072	0.00625	<0.005	0.00144J	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	4/16/2019	0.00188J		0.0017J	<0.005	0.00128J	<0.005	<0.005	0.00263J	<0.005	<0.005	0.00183J	0.00344J; 0.00322J	<0.005	<0.005	<0.005	0.003J	<0.005	<0.005	0.00145J	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/1/2019	0.00169J	<0.005	0.00132J	<0.005	0.000992J	<0.005	<0.005	0.00256J	<0.005	<0.005	0.00182J	0.0028J	<0.005	<0.005	<0.005	0.00312J	0.00197J	<0.005	0.00145J	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	3/30/2020	0.00184J	<0.005	0.00199J	<0.005	0.00128J	<0.005	<0.005	0.00248J	<0.005	<0.005	0.00127J	0.00134J	<0.005	<0.005	<0.005	0.00324J	0.00161J	<0.005	0.00134J; 0.00126J	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	6/24/2020		<0.005																				
Chromium	7440-47-3	mg/L	10/7/2020	0.00181J	<0.005	0.0017J; 0.00163J	<0.005	<0.005	<0.005	<0.005	0.00261J	<0.005	<0.005	0.00188J	0.0023J	<0.005	<0.005	<0.005	0.0025J	0.0016J	<0.005	0.00142J	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	1/21/2021		<0.008																				
Chromium	7440-47-3	mg/L	4/13/2021	0.002J	<0.008	0.0026J	<0.008	0.001J	<0.008	<0.008	0.0025J	0.0006J	0.0008J	0.0009J	0.0024J	<0.008	0.0006J	<0.008	0.0028J	0.0018J	0.0008J	0.0015J	<0.008	<0.008	<0.008
Chromium	7440-47-3	mg/L	10/20/2021		<0.008			0.0011J; 0.0009J				<0.008					<0.008	<0.008			0.001J	0.0013J	<0.008	<0.008	0.0013J
Chromium	7440-47-3	mg/L	5/2/2022					0.0009J		<0.008	0.0031J										<0.008	0.0014J	0.0011J	<0.008	<0.008
Chromium	7440-47-3	mg/L	10/14/2022					0.001J; 0.0012J													0.0009J	0.0028J	<0.008	<0.008	<0.008
Chromium	7440-47-3	mg/L	5/1/2023					<0.005		<0.005	0.00256J										<0.005	0.00128J	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/16/2023					<0.005													<0.005	0.00185J; 0.00181J	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	4/29/2024					<0.005		<0.005	0.00219J										<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/14/2024																		<0.00500	<0.00500		<0.00500	
Chromium	7440-47-3	mg/L	10/15/2024																				<0.00500		<0.00500
Chromium	7440-47-3	mg/L	4/23/2025	<0.00500										<0.00500					<0.00500						
Chromium	7440-47-3	mg/L	4/24/2025													<0.00500									
Chromium	7440-47-3	mg/L	5/5/2025						<0.00500																
Chromium	7440-47-3	mg/L	5/6/2025										<0.00500		0.00307										
Chromium	7440-47-3	mg/L	5/7/2025				<0.00500													0.00222	<0.00500	<0.00500	<0.00500		
Chromium	7440-47-3	mg/L	5/8/2025			<0.00500		<0.00500																	
Chromium	7440-47-3	mg/L	5/9/2025							<0.00500	0.00258													<0.00500	<0.00500
Chrysene	218-01-9	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Chrysene	218-01-9	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Chrysene	218-01-9	ug/L	4/4/2011									<10					<10	<10							
Chrysene	218-01-9	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Chrysene	218-01-9	ug/L	6/2/2014																					<10.1	
Chrysene	218-01-9	ug/L	10/15/2014																					<10	
Chrysene	218-01-9	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Chrysene	218-01-9	ug/L	4/4/2016									<10					<10	<10							
Chrysene	218-01-9	ug/L	5/1/2018																		<10.4	<10.3			
Chrysene	218-01-9	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Chrysene	218-01-9	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Chrysene	218-01-9	ug/L	6/24/2020		<10.4																				
Chrysene	218-01-9	ug/L	10/20/2021		<8							<8					<8	<8							
Chrysene	218-01-9	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Chrysene	218-01-9	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Chrysene	218-01-9	ug/L	4/24/2025													<10.4									
Chrysene	218-01-9	ug/L	5/5/2025						<10.2																
Chrysene	218-01-9	ug/L	5/6/2025										<10.4		<10.6										
Chrysene	218-01-9	ug/L	5/7/2025				<10.2													<10.6					
Chrysene	218-01-9	ug/L	5/8/2025			<9.80		<10.6																	
Cobalt	7440-48-4	mg/L	2/27/2008	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02															
Cobalt	7440-48-4	mg/L	5/12/2008	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02															
Cobalt	7440-48-4	mg/L	7/13/2008	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02															
Cobalt	7440-48-4	mg/L	9/14/2008	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02															
Cobalt	7440-48-4	mg/L	11/17/2008	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02															
Cobalt	7440-48-4	mg/L	4/14/2009	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02															
Cobalt	7440-48-4	mg/L	7/7/2009							<0.02			<0.02	<0.02	<0.02	<0.02			<0.02	<0.02					
Cobalt	7440-48-4	mg/L	9/2/2009							<0.02			<0.02	<0.02	<0.02	<0.02			<0.02	<0.02					
Cobalt	7440-48-4	mg/L	10/25/2009	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	<0.02	<0.02	<0.02			<0.02	<0.02					
Cobalt	7440-48-4	mg/L	1/2/2010							<0.02			<0.02	<0.02	<0.02	<0.02			<0.02	<0.02					

Table 9A
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Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Cobalt	7440-48-4	mg/L	3/3/2010									0.0916	<0.02	<0.02	<0.02	<0.02	<0.02	0.028	<0.02	<0.02					
Cobalt	7440-48-4	mg/L	5/10/2010	<0.02		0.00817	0.00644	<0.02	<0.02	<0.02		0.0106	0.00264	<0.02	<0.02	0.00391	0.00267	0.0187	0.00349	0.00203					
Cobalt	7440-48-4	mg/L	7/8/2010							<0.02		0.00283	<0.02			0.00436	<0.02	0.0267	<0.02	<0.02					
Cobalt	7440-48-4	mg/L	9/13/2010							<0.02		0.00978	<0.02			0.0064	0.00224	0.0219	<0.02	0.00335					
Cobalt	7440-48-4	mg/L	11/1/2010	<0.02		0.00288		<0.02	<0.02	<0.02			0.003	<0.02	<0.02	0.00408									
Cobalt	7440-48-4	mg/L	1/10/2011							<0.02		<0.02	0.00491			0.00218	<0.02	0.0164							
Cobalt	7440-48-4	mg/L	4/4/2011							<0.02		<0.02	<0.02			0.00331	<0.02	0.0293	0.00465						
Cobalt	7440-48-4	mg/L	7/8/2011							<0.02		0.00334					0.00201	0.0155							
Cobalt	7440-48-4	mg/L	8/11/2011							0.0074		0.00219					<0.02	0.015							
Cobalt	7440-48-4	mg/L	10/13/2011	<0.06		<0.02		<0.02	<0.02	0.00171		0.0023	<0.02	<0.02	<0.02	0.00437	<0.02	0.0235	<0.02						
Cobalt	7440-48-4	mg/L	12/5/2011				0.00815			0.00368		<0.02					<0.02	0.0176		0.002					
Cobalt	7440-48-4	mg/L	2/6/2012							<0.02															
Cobalt	7440-48-4	mg/L	4/11/2012	<0.02		<0.02	0.01	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	0.0106	0.0026	<0.02	0.00979	<0.02	<0.02					
Cobalt	7440-48-4	mg/L	6/25/2012					0.00231		<0.02															
Cobalt	7440-48-4	mg/L	8/1/2012							<0.02	<0.02										0.0171	0.00524	0.00173	0.00508	0.00478
Cobalt	7440-48-4	mg/L	10/11/2012	0.00238		<0.02	0.0131	0.00331	0.00171		<0.02	<0.02		<0.02	<0.02	0.00402	0.00643	0.00651	<0.02	0.00188	0.0437	<0.02	0.00336	0.00506	0.00859
Cobalt	7440-48-4	mg/L	12/13/2012								0.00323										0.0142	0.0405	<0.00155	<0.00155	0.0941
Cobalt	7440-48-4	mg/L	2/4/2013								0.00939										0.0423	0.015	0.00594	0.003	0.0353
Cobalt	7440-48-4	mg/L	3/30/2013	<0.00132		<0.00132	0.013	<0.00132	<0.00132		<0.00132	<0.00132		<0.00132	0.00242	0.00255	<0.00132	0.0108	<0.00132	0.00177	0.0277	0.00311	0.00363	0.00463	0.0123
Cobalt	7440-48-4	mg/L	7/10/2013																		0.0376	<0.007	<0.007	<0.007	<0.007
Cobalt	7440-48-4	mg/L	10/7/2013	<0.007		<0.007	0.00951	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	0.0126	<0.007	<0.007	0.00997	0.134	<0.007	<0.007	<0.007
Cobalt	7440-48-4	mg/L	6/2/2014	<0.00241		<0.00482	0.00813	0.00306	<0.00241	<0.00241	<0.00482	<0.00241	<0.00241	<0.00241	<0.00482	<0.00241	<0.00241	0.00465	<0.00241	<0.00241	<0.00241	<0.00241	<0.00482	<0.00482	<0.00241
Cobalt	7440-48-4	mg/L	10/15/2014	<0.00241		<0.00241	0.0118	<0.00241	<0.00241	<0.00241	<0.00241	<0.00241	<0.00241	<0.00241	<0.00241	<0.00241	<0.00241	0.00911	<0.00241	<0.00241	<0.00241	<0.00241	<0.00241	<0.00241	<0.00241
Cobalt	7440-48-4	mg/L	4/6/2015	<0.0005		<0.0005; 0.000072J	0.0104	<0.0005	0.000117J	0.000153J	0.000553	<0.0005	0.000092J	<0.0005	<0.0005	0.00367	0.00194	0.00972	0.00285	0.00161	0.000315J	<0.0005	<0.0005	<0.0005	<0.0005
Cobalt	7440-48-4	mg/L	10/5/2015	<0.0005		<0.0005	0.00679	<0.0005	0.00392	0.00233	<0.0005	<0.0005	0.00178	<0.0005	<0.0005	0.00405	0.00157	0.00953	0.000924	0.00114	0.000816	<0.0005	0.000085J	<0.0005	<0.0005
Cobalt	7440-48-4	mg/L	4/4/2016	<0.0005		<0.0005	0.00999; 0.01	0.000058J	0.000061J	0.000049J	0.000074J	0.000051J	0.0035	0.000038J	0.000109J	0.0022	0.00229	0.0182	0.000476J	0.000322J	0.000175J	0.000045J	0.00048J	0.00009J	<0.0005
Cobalt	7440-48-4	mg/L	10/17/2016	<0.0005		0.000616	0.00784	0.000113J	0.000929	0.000857	0.000149J	0.000183J	0.00364	<0.0005	0.000035J	0.00305	0.000608	0.00937	0.00048J	0.000115J	0.000174J	0.000041J	0.000059J	0.000138J	0.000107J
Cobalt	7440-48-4	mg/L	4/17/2017	<0.0005		0.000296J	0.00632	<0.0005	0.000097J	0.000185J	<0.0005	<0.0005	0.000115J	<0.0005	<0.0005	0.00165	0.000155J	0.00286	0.00288	0.000807	0.000071J	<0.0005	<0.0005	<0.0005	<0.0005
Cobalt	7440-48-4	mg/L	10/11/2017	<0.0005		0.000364J	0.0101	<0.0005	0.00103	0.00109	<0.0005	<0.0005	0.00183	0.000048J	<0.0005	0.0036	0.00183	0.015	0.000053J	0.000703	0.000054J	<0.0005	<0.0005	<0.0005	<0.0005
Cobalt	7440-48-4	mg/L	4/20/2018											<0.0005					<0.0005	0.00136					
Cobalt	7440-48-4	mg/L	4/23/2018	<0.0005								<0.0005	0.000704		0.000064J	0.00168	0.000178J								
Cobalt	7440-48-4	mg/L	4/25/2018						0.000096J		<0.0005														
Cobalt	7440-48-4	mg/L	4/30/2018			0.000223J; 0.000489J	0.0127	<0.0005										0.0135							
Cobalt	7440-48-4	mg/L	5/1/2018																		<0.0005	<0.0005			
Cobalt	7440-48-4	mg/L	5/2/2018																				<0.0005	<0.0005	<0.0005
Cobalt	7440-48-4	mg/L	10/16/2018	<0.001		0.000243J	0.00673	0.000096J	0.000738J	<0.001	<0.001	<0.001	0.0012	<0.001	<0.001	0.000465J	<0.001	0.0154	<0.001	0.000501J	0.00011J	0.000061J	<0.0005	<0.0005	<0.0005
Cobalt	7440-48-4	mg/L	4/16/2019	<0.0005		<0.0005	0.00835	<0.0005	0.000159J	0.000094J	<0.0005	0.000201J	0.000792	<0.0005	<0.0005	0.00074	0.00021J	0.00198	<0.0005	0.000403J	0.000129J	<0.0005	<0.0005	<0.0005	<0.0005
Cobalt	7440-48-4	mg/L	10/1/2019	<0.0005	0.00104	0.000593	0.01	<0.0005	0.00238	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00125	0.000184J	0.00306	<0.0005	0.00116	0.000098J	<0.0005	<0.0005	<0.0005	<0.0005
Cobalt	7440-48-4	mg/L	3/30/2020	<0.0005	0.0012	<0.0005	0.00455	<0.0005	0.000654	0.000126J	<0.0005	<0.0005	0.000752	<0.0005	<0.0005	0.000379J	0.000186J	0.00635	<0.0005	0.000708	0.00035J	<0.0005	<0.0005	<0.0005	<0.0005
Cobalt	7440-48-4	mg/L	6/24/2020		0.0019																				
Cobalt	7440-48-4	mg/L	10/7/2020	<0.0005	0.00219	0.000353J; 0.000278J	0.0102	0.00012J	0.00701	0.00304	<0.0005	<0.0005	0.00104	<0.0005	<0.0005	0.00433	0.000213J	0.0177	0.000106J	0.000689	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cobalt	7440-48-4	mg/L	1/21/2021		0.0019																				
Cobalt	7440-48-4	mg/L	4/13/2021	<0.0004	0.0019	0.0012	0.0048	<0.0004	0.0003J	0.0002J	<0.0004	0.00009J	0.0002J	<0.0004	<0.0004	0.0001J	0.0003J	0.0042	0.0001J	0.0007	0.0001J	<0.0004	<0.0004	<0.0004	<0.0004
Cobalt	7440-48-4	mg/L	10/20/2021		0.0019			0.0003J; 0.0001J	0.0026			<0.0004	0.0002J				0.0004	0.0006			0.0003J	<0.0004	<0.0004	<0.0004	0.0007
Cobalt	7440-48-4	mg/L	5/2/2022	<0.0004	0.0011	0.0007	0.009	0.0005	0.0015	0.0003J	<0.0004	<0.0004	<0.0004	<0.0004	0.0003J	<0.0004	0.0003J	0.0012	0.0016	0.0015	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
Cobalt	7440-48-4	mg/L	10/14/2022		0.0018J		0.0112	<0.0004; 0.0042	0.0023			0.0015J	0.0089								0.0013	0.0007	<0.0004	<0.0004	<0.0004
Cobalt	7440-48-4	mg/L	5/1/2023	<0.0005	<0.0005	<0.0005	0.0117	<0.0005	0.00209; 0.00223	<0.0005	<0.0005	0.000292J	0.000246J	0.000245J	<0.0005	0.000252J	0.00025J	0.00162	0.00314	0.00121	0.000203J	<0.0005	<0.0005	<0.0005	<0.0005
Cobalt	7440-48-4	mg/L	10/16/2023		<0.0025		0.0115	<0.0005	0.00112			<0.0005	<0.0005								0.000389J	0.000811; 0.000596	<0.0005	<0.0005	<0.0005
Cobalt	7440-48-4	mg/L	4/29/2024	<0.0005	<0.0005	<0.0005	0.00645	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000319J	0.000426J	0.000263J	0.000539	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cobalt	7440-48-4	mg/L	10/9/2024		<0.000500								<0.000500												
Cobalt	7440-48-4	mg/L	10/10/2024						0.00642			0.000263J													
Cobalt	7440-48-4	mg/L	10/14/2024																		<0.000500	<0.000500		<0.000500	
Cobalt	7440-48-4	mg/L	10/15/2024				0.00854																<0.000500		<0.000500
Cobalt	7440-48-4	mg/L	4/23/2025	<0.000500										<0.000500					<0.000500						
Cobalt	7440-48-4	mg/L	4/24/2025													<0.000500	<0.000500								
Cobalt	7440-48-4	mg/L	4/30/2025		<0.000500							<0.000500													
Cobalt	7440-48-4	mg/L	5/5/2025						0.000298																
Cobalt	7440-48-4	mg/L	5/6/2025										<0.000500		<0.000500										
Cobalt	7440-48-4	mg/L	5/7/2025				0.00394													0.000668	<0.000500	<0.000500	<0.000500		
Cobalt	7440-48-4	mg/L	5/8/2025			0.000423		<0.000500																	
Cobalt	7440-48-4	mg/L	5/9/2025							<0.000500	<0.000500							0.000417						<0.000500	<0.000500
Copper	7440-50-8	mg/L	2/27/2008	0.028		0.087	0.031	<0.025	<0.025	<0.025															
Copper	7440-50-8	mg/L	5/12/2008	0.026		0.027	0.029	<0.025	0.034	0.03															
Copper	7440-50-8	mg/L	7/13/2008	<0.025		<0.025	0.027	<0.025	<0.025	<0.025															
Copper	7440-50-8	mg/L	9/14/2008	<0.025		<0.025	<0.025	<0.025	<0.025	<0.025															
Copper	7440-50-8	mg/L	11/17/2008	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02															
Copper	7440-50-8	mg/L	4/14/2009	<0.025		<0.025	<0.025	<0.025	<0.025	<0.025															
Copper	7440-50-8	mg/L	7/7/2009							<0.025			<0.025	<0.025	<0.025	<0.025			<0.025	<0.025					
Copper	7440-50-8	mg/L	9/2/2009							<0.025			0.033	0.031	<0.025	<0.025			<0.025	<0.025					
Copper	7440-50-8	mg/L	10/25/2009	<0.025		<0.025	<0.025	<0.025	<0.025	<0.025			0.05	<0.025	0.035	<0.025			<0.025	<0.025					
Copper	7440-50-8	mg/L	1/2/2010							<0.025			0.2	<0.025	<0.025	<0.025			<0.025	<0.025					
Copper	7440-50-8	mg/L	3/3/2010									0.63	0.07	<0.025	<0.025	<0.025	0.028; 0.026	<0.025	<0.025	<0.025					
Copper	7440-50-8	mg/L	5/10/2010	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02					
Copper	7440-50-8	mg/L	7/8/2010									<0.025					<0.025	<0.025							
Copper	7440-50-8	mg/L	9/13/2010									0.041					<0.025	<0.025							
Copper	7440-50-8	mg/L	11/1/2010										0.056	<0.025	<0.025	<0.025									
Copper	7440-50-8	mg/L	1/10/2011									<0.02					<0.02	<0.02							
Copper	7440-50-8	mg/L	4/4/2011									<0.02	<0.025	<0.025	<0.025	<0.025	<0.02	<0.02	<0.025						
Copper	7440-50-8	mg/L	7/8/2011							<0.025		<0.025					<0.025	<0.025							
Copper	7440-50-8	mg/L	8/11/2011							<0.025		<0.025					<0.025	<0.025							
Copper	7440-50-8	mg/L	10/13/2011	<0.06		<0.02		<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02						
Copper	7440-50-8	mg/L	12/5/2011				<0.02			<0.02		<0.02								<0.02					
Copper	7440-50-8	mg/L	4/11/2012	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02					
Copper	7440-50-8	mg/L	6/25/2012					<0.02		<0.02															
Copper	7440-50-8	mg/L	8/1/2012							<0.02	<0.02										<0.02	<0.02	<0.02	<0.02	0.0274
Copper	7440-50-8	mg/L	10/11/2012	<0.02		<0.02	<0.02	<0.02	<0.02		<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0209	0.0709
Copper	7440-50-8	mg/L	12/13/2012								<0.02										0.0466	0.0625	<0.02	<0.02	0.431

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Copper	7440-50-8	mg/L	2/4/2013								<0.02										<0.02	<0.02	<0.02	<0.02	0.326
Copper	7440-50-8	mg/L	3/30/2013	<0.02		<0.02	<0.02	<0.02	<0.02		<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0595
Copper	7440-50-8	mg/L	7/10/2013																		0.0501	<0.02	<0.02	<0.02	0.0295
Copper	7440-50-8	mg/L	10/7/2013	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0201	0.121	<0.02	<0.02	<0.02
Copper	7440-50-8	mg/L	6/2/2014	<0.02		<0.04	<0.02	<0.02	<0.02	0.00379J	<0.04	<0.02	0.00526J	<0.02	<0.04	<0.02	<0.02	<0.02	0.00404J	<0.02	<0.02	<0.02	<0.04	<0.04	<0.02
Copper	7440-50-8	mg/L	10/15/2014	0.0155J; 0.00511J		<0.02	0.00405J	<0.02	<0.02	<0.02	<0.02	<0.02	0.0271	<0.02	<0.02	0.00448J	0.00385J	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Copper	7440-50-8	mg/L	4/6/2015	<0.002		<0.002	0.000601J	<0.002	0.000899J	<0.002	0.00263	<0.002	0.000737J	<0.002	<0.002	<0.002	<0.002	0.000564J	0.00776	0.000511J	0.00157J	<0.002	0.000698J	0.000607J	0.000635J
Copper	7440-50-8	mg/L	10/5/2015	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	0.000972J	<0.002	0.000742J	<0.002	<0.002	0.000627J	<0.002	<0.002	0.00322	0.00077J	0.00102J	0.000485J; 0.00067J	0.00123J	0.00068J	0.00114J
Copper	7440-50-8	mg/L	4/4/2016	<0.005		<0.005	0.00172J; 0.00156J	0.00216J	<0.005	<0.005	0.00148J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0247	0.00151J	0.00204J	0.0014J	<0.005	0.00129J	<0.005	<0.005
Copper	7440-50-8	mg/L	10/17/2016	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	4/17/2017	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00281J	<0.005	<0.005	0.0149	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	10/11/2017	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0047J
Copper	7440-50-8	mg/L	4/20/2018											<0.005					<0.005	<0.005					
Copper	7440-50-8	mg/L	4/23/2018	<0.005								<0.005	0.00304J		<0.005	<0.005	<0.005								
Copper	7440-50-8	mg/L	4/25/2018						<0.005		<0.005														
Copper	7440-50-8	mg/L	4/30/2018			<0.005	<0.005	<0.005										<0.005							
Copper	7440-50-8	mg/L	5/1/2018																		<0.005	<0.005			
Copper	7440-50-8	mg/L	5/2/2018																				<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	10/16/2018	0.000915J		<0.005	<0.005	<0.005	0.000857J	0.00534	0.00142J	0.00135J	0.00191J	0.00267	0.000793J	0.00826	0.00165J	<0.005	0.00143J	0.00487	0.00221J	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	4/16/2019	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00286J	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	10/1/2019	<0.005	0.00303J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00519	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	3/30/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00418J	<0.005	<0.005	<0.005	0.00357J	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	6/24/2020		<0.005																				
Copper	7440-50-8	mg/L	10/7/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00436J	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	1/21/2021		<0.004																				
Copper	7440-50-8	mg/L	4/13/2021	0.0056	<0.004	0.0018J	<0.004	<0.004	<0.004	<0.004	0.0012J	<0.004	<0.004	<0.004	<0.004	0.0074	0.0012J	0.0013J	0.0013J	0.0046	0.0016J	<0.004	<0.004	<0.004	0.001J
Copper	7440-50-8	mg/L	10/20/2021		0.0015J			<0.004	<0.004			<0.004	0.0014J				<0.004	0.0013J			0.0026J	<0.004	<0.004	0.0057	0.0027J
Copper	7440-50-8	mg/L	5/2/2022	<0.004	0.0019J	<0.004	<0.004	<0.004	0.0022J	<0.004	0.0014J	0.0013J	<0.004	<0.004	<0.004	0.0043	<0.004	0.001J	0.0029J	0.004	0.0015J	<0.004	<0.004	<0.004	<0.004
Copper	7440-50-8	mg/L	10/14/2022		0.0048		0.0013J	<0.004	0.0027J			0.001J	0.0074								0.0012J	0.0016J	0.0013J	<0.004	0.0024J
Copper	7440-50-8	mg/L	5/1/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005; 0.00406J	0.00287J	<0.005	0.00255J	<0.005	<0.005	<0.005	0.00717	0.0044J	<0.005	0.00514	0.00239J	0.00241J	<0.005	0.00342J	<0.005	0.00488J
Copper	7440-50-8	mg/L	10/16/2023		<0.005		0.00199J	<0.005	<0.005			<0.005	<0.005								0.0024J	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	4/29/2024	<0.005	<0.005	<0.005	<0.005	<0.005	0.00189J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00924	0.0024J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00195J	<0.005
Copper	7440-50-8	mg/L	10/9/2024		<0.00500								<0.00500												
Copper	7440-50-8	mg/L	10/10/2024						<0.00500			<0.00500													
Copper	7440-50-8	mg/L	10/14/2024																		<0.00500	<0.00500		<0.00500	
Copper	7440-50-8	mg/L	10/15/2024				<0.00500																<0.00500		<0.00500
Copper	7440-50-8	mg/L	4/23/2025	<0.00500										<0.00500					<0.00500						
Copper	7440-50-8	mg/L	4/24/2025													<0.00500	<0.00500								
Copper	7440-50-8	mg/L	4/30/2025		<0.00500							<0.00500													
Copper	7440-50-8	mg/L	5/5/2025						<0.00500																
Copper	7440-50-8	mg/L	5/6/2025										<0.00500		<0.00500										
Copper	7440-50-8	mg/L	5/7/2025				<0.00500													<0.00500	<0.00500	<0.00500	<0.00500		
Copper	7440-50-8	mg/L	5/8/2025			<0.00500		<0.00500																	
Copper	7440-50-8	mg/L	5/9/2025							<0.00500	<0.00500							<0.00500						<0.00500	<0.00500
Cyanide	57-12-5	mg/L	4/14/2009	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01															
Cyanide	57-12-5	mg/L	5/10/2010	<0.01		<0.01	<0.01	<0.01	0.154	<0.01			<0.01	<0.01	<0.01	<0.01			<0.01	<0.01					
Cyanide	57-12-5	mg/L	7/8/2010						<0.01	<0.01															
Cyanide	57-12-5	mg/L	9/13/2010						<0.01	<0.01															
Cyanide	57-12-5	mg/L	11/1/2010						<0.01	<0.01															
Cyanide	57-12-5	mg/L	1/10/2011						<0.01	<0.01															
Cyanide	57-12-5	mg/L	4/4/2011						<0.01	<0.01		<0.01					<0.01	<0.01							
Cyanide	57-12-5	mg/L	7/10/2013																		<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide	57-12-5	mg/L	6/2/2014						<0.01																
Cyanide	57-12-5	mg/L	10/15/2014						<0.01																
Cyanide	57-12-5	mg/L	4/6/2015						<0.01																
Cyanide	57-12-5	mg/L	10/5/2015	<0.01		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01			<0.01	<0.01					
Cyanide	57-12-5	mg/L	4/4/2016						<0.01			<0.01					<0.01	<0.01							
Cyanide	57-12-5	mg/L	10/17/2016						<0.01																
Cyanide	57-12-5	mg/L	5/1/2018																		<0.01	<0.01			
Cyanide	57-12-5	mg/L	5/2/2018																				<0.01	<0.01	<0.01
Cyanide	57-12-5	mg/L	3/30/2020	<0.01		<0.01	<0.01	<0.01	<0.01				<0.01	<0.01	<0.01	<0.01			<0.01	<0.01					
Cyanide	57-12-5	mg/L	6/24/2020		<0.01																				
Cyanide	57-12-5	mg/L	10/20/2021		<0.005							<0.005					<0.005	<0.005							
Cyanide	57-12-5	mg/L	5/1/2023																		<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide, Total	57-12-5	mg/L	4/23/2025	<0.0100										<0.0100					<0.0100						
Cyanide, Total	57-12-5	mg/L	4/24/2025													<0.0100									
Cyanide, Total	57-12-5	mg/L	5/5/2025						<0.0100																
Cyanide, Total	57-12-5	mg/L	5/6/2025										<0.0100		<0.0100										
Cyanide, Total	57-12-5	mg/L	5/7/2025				<0.0100													<0.0100					
Cyanide, Total	57-12-5	mg/L	5/8/2025			<0.0100		<0.0100																	
DCAA	19719-28-9	ug/L	4/23/2025	0.921; 1.04										1.36; 1.48					1.21; 1.25						
DCAA	19719-28-9	ug/L	4/24/2025													1.36; 1.28									
DCAA	19719-28-9	ug/L	5/5/2025						1.23; 1.28																
DCAA	19719-28-9	ug/L	5/6/2025										2.15; 1.96		1.95; 2.09										
DCAA	19719-28-9	ug/L	5/7/2025				1.75; 1.32													1.12; 1.02					
DCAA	19719-28-9	ug/L	5/8/2025			1.23; 1.35		1.32; 1.48																	
Delta-BHC	319-86-8	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
Delta-BHC	319-86-8	ug/L	10/25/2009							<0.032															
Delta-BHC	319-86-8	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
Delta-BHC	319-86-8	ug/L	4/4/2011									<0.032					<0.032	<0.032							
Delta-BHC	319-86-8	ug/L	10/11/2012								<0.032														
Delta-BHC	319-86-8	ug/L	7/10/2013																		<0.0327	<0.0323	0.242	<0.0348	<0.0348
Delta-BHC	319-86-8	ug/L	10/7/2013							<0.0327	<0.036												<0.0323		
Delta-BHC	319-86-8	ug/L	6/2/2014																				<0.0333		
Delta-BHC	319-86-8	ug/L	10/15/2014																				<0.032		
Delta-BHC	319-86-8	ug/L	4/6/2015																				<0.032		
Delta-BHC	319-86-8	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	0.00307J			<0.0348	<0.0323			<0.032		

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Delta-BHC	319-86-8	ug/L	4/4/2016									<0.032					0.0154J	<0.032					<0.032		
Delta-BHC	319-86-8	ug/L	10/17/2016																				<0.032		
Delta-BHC	319-86-8	ug/L	4/17/2017																				<0.0327		
Delta-BHC	319-86-8	ug/L	10/11/2017																				<0.034		
Delta-BHC	319-86-8	ug/L	5/1/2018																		<0.0333	<0.0323			
Delta-BHC	319-86-8	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
Delta-BHC	319-86-8	ug/L	10/16/2018																				<0.0323		
Delta-BHC	319-86-8	ug/L	4/16/2019																				<0.0333		
Delta-BHC	319-86-8	ug/L	3/30/2020	0.00259J		<0.0337	<0.0333	<0.0344	<0.0337				<0.0337	<0.0333	<0.0333	<0.0333			<0.033	<0.033					
Delta-BHC	319-86-8	ug/L	6/24/2020		<0.0337																				
Delta-BHC	319-86-8	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Delta-BHC	319-86-8	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
Di-n-butyl phthalate	84-74-2	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Di-n-butyl phthalate	84-74-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Di-n-butyl phthalate	84-74-2	ug/L	4/4/2011									<10					<10	<10							
Di-n-butyl phthalate	84-74-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Di-n-butyl phthalate	84-74-2	ug/L	6/2/2014																					<10.1	
Di-n-butyl phthalate	84-74-2	ug/L	10/15/2014																					<10	
Di-n-butyl phthalate	84-74-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	2.78J				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Di-n-butyl phthalate	84-74-2	ug/L	4/4/2016									<10					<10	<10							
Di-n-butyl phthalate	84-74-2	ug/L	5/1/2018																		<10.4	<10.3			
Di-n-butyl phthalate	84-74-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Di-n-butyl phthalate	84-74-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Di-n-butyl phthalate	84-74-2	ug/L	6/24/2020		<10.4																				
Di-n-butyl phthalate	84-74-2	ug/L	10/20/2021		<8							<8					<8	<8							
Di-n-butyl phthalate	84-74-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Di-n-butyl phthalate	84-74-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Di-n-butyl phthalate	84-74-2	ug/L	4/24/2025													<10.4									
Di-n-butyl phthalate	84-74-2	ug/L	5/5/2025						<10.2																
Di-n-butyl phthalate	84-74-2	ug/L	5/6/2025										<10.4		<10.6										
Di-n-butyl phthalate	84-74-2	ug/L	5/7/2025				<10.2													<10.6					
Di-n-butyl phthalate	84-74-2	ug/L	5/8/2025			<9.80		<10.6																	
Di-n-octyl phthalate	117-84-0	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Di-n-octyl phthalate	117-84-0	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Di-n-octyl phthalate	117-84-0	ug/L	4/4/2011									<10					<10	<10							
Di-n-octyl phthalate	117-84-0	ug/L	7/10/2013																		<20.4	<20.2	<20.2	<213	<20.6
Di-n-octyl phthalate	117-84-0	ug/L	6/2/2014																					<20.2	
Di-n-octyl phthalate	117-84-0	ug/L	10/15/2014																					<20	
Di-n-octyl phthalate	117-84-0	ug/L	10/5/2015	<20.8		<20	<21.1	<21.1	<20.2				<21.5	<21.3	<21.1	<20.6			<22.2	<20.2					
Di-n-octyl phthalate	117-84-0	ug/L	4/4/2016									<20					<20	1.99J							
Di-n-octyl phthalate	117-84-0	ug/L	5/1/2018																		<20.8	<20.6			
Di-n-octyl phthalate	117-84-0	ug/L	5/2/2018																				<20.8	<21.1	<20.8
Di-n-octyl phthalate	117-84-0	ug/L	3/30/2020	<20.8		<21.5	<20.6	<21.1	<20.6				<20.8	<20.8	<21.1	<20.2			<20.8	<20.8					
Di-n-octyl phthalate	117-84-0	ug/L	6/24/2020		<20.8																				
Di-n-octyl phthalate	117-84-0	ug/L	10/20/2021		<8							<8					<8	<8							
Di-n-octyl phthalate	117-84-0	ug/L	5/1/2023																		<21.3	<20	<19.6	<21.3	<20
Di-n-octyl phthalate	117-84-0	ug/L	4/23/2025	<20.8										<20.8					<20.8						
Di-n-octyl phthalate	117-84-0	ug/L	4/24/2025													<20.8									
Di-n-octyl phthalate	117-84-0	ug/L	5/5/2025						<20.4																
Di-n-octyl phthalate	117-84-0	ug/L	5/6/2025										<20.8		<21.3										
Di-n-octyl phthalate	117-84-0	ug/L	5/7/2025				<20.4													<21.3					
Di-n-octyl phthalate	117-84-0	ug/L	5/8/2025			<19.6		<21.3																	
Diallate	2303-16-4	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Diallate	2303-16-4	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Diallate	2303-16-4	ug/L	4/4/2011									<10					<10	<10							
Diallate	2303-16-4	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Diallate	2303-16-4	ug/L	6/2/2014																					<10.1	
Diallate	2303-16-4	ug/L	10/15/2014																					<10	
Diallate	2303-16-4	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Diallate	2303-16-4	ug/L	4/4/2016									<10					<10	<10							
Diallate	2303-16-4	ug/L	5/1/2018																		<10.4	<10.3			
Diallate	2303-16-4	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Diallate	2303-16-4	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Diallate	2303-16-4	ug/L	6/24/2020		<10.4																				
Diallate	2303-16-4	ug/L	10/20/2021		<8							<8					<8	<8							
Diallate	2303-16-4	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Diallate	2303-16-4	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Diallate	2303-16-4	ug/L	4/24/2025													<10.4									
Diallate	2303-16-4	ug/L	5/5/2025						<10.2																
Diallate	2303-16-4	ug/L	5/6/2025										<10.4		<10.6										
Diallate	2303-16-4	ug/L	5/7/2025				<10.2													<10.6					
Diallate	2303-16-4	ug/L	5/8/2025			<9.80		<10.6																	
Dibenz [a,h] anthracene	53-70-3	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Dibenz [a,h] anthracene	53-70-3	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Dibenz [a,h] anthracene	53-70-3	ug/L	4/4/2011									<10					<10	<10							
Dibenz [a,h] anthracene	53-70-3	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Dibenz [a,h] anthracene	53-70-3	ug/L	6/2/2014																					<10.1	
Dibenz [a,h] anthracene	53-70-3	ug/L	10/15/2014																					<10	
Dibenz [a,h] anthracene	53-70-3	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Dibenz [a,h] anthracene	53-70-3	ug/L	4/4/2016									<10					<10	<10							
Dibenz [a,h] anthracene	53-70-3	ug/L	5/1/2018																		<10.4	<10.3			
Dibenz [a,h] anthracene	53-70-3	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Dibenz [a,h] anthracene	53-70-3	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Dibenz [a,h] anthracene	53-70-3	ug/L	6/24/2020		<10.4																				
Dibenz [a,h] anthracene	53-70-3	ug/L	10/20/2021		<8							<8					<8	<8							
Dibenz [a,h] anthracene	53-70-3	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Dibenzo(a,h)anthracene	53-70-3	ug/L	4/23/2025	<10.4										<10.4					<10.4						

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Dibenzo(a,h)anthracene	53-70-3	ug/L	4/24/2025													<10.4									
Dibenzo(a,h)anthracene	53-70-3	ug/L	5/5/2025						<10.2																
Dibenzo(a,h)anthracene	53-70-3	ug/L	5/6/2025										<10.4		<10.6										
Dibenzo(a,h)anthracene	53-70-3	ug/L	5/7/2025				<10.2													<10.6					
Dibenzo(a,h)anthracene	53-70-3	ug/L	5/8/2025			<9.80		<10.6																	
Dibenzofuran	132-64-9	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Dibenzofuran	132-64-9	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Dibenzofuran	132-64-9	ug/L	4/4/2011									<10					<10	<10							
Dibenzofuran	132-64-9	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Dibenzofuran	132-64-9	ug/L	6/2/2014																					<10.1	
Dibenzofuran	132-64-9	ug/L	10/15/2014																					<10	
Dibenzofuran	132-64-9	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Dibenzofuran	132-64-9	ug/L	4/4/2016									<10					<10	<10							
Dibenzofuran	132-64-9	ug/L	5/1/2018																		<10.4	<10.3			
Dibenzofuran	132-64-9	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Dibenzofuran	132-64-9	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Dibenzofuran	132-64-9	ug/L	6/24/2020		<10.4																				
Dibenzofuran	132-64-9	ug/L	10/20/2021		<8							<8					<8	<8							
Dibenzofuran	132-64-9	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Dibenzofuran	132-64-9	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Dibenzofuran	132-64-9	ug/L	4/24/2025													<10.4									
Dibenzofuran	132-64-9	ug/L	5/5/2025						<10.2																
Dibenzofuran	132-64-9	ug/L	5/6/2025										<10.4		<10.6										
Dibenzofuran	132-64-9	ug/L	5/7/2025				<10.2													<10.6					
Dibenzofuran	132-64-9	ug/L	5/8/2025			<9.80		<10.6																	
Dibromomethane	74-95-3	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
Dibromomethane	74-95-3	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
Dibromomethane	74-95-3	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
Dibromomethane	74-95-3	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
Dibromomethane	74-95-3	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
Dibromomethane	74-95-3	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
Dibromomethane	74-95-3	ug/L	7/7/2009										<1	<1	<1	<1			<1	<1					
Dibromomethane	74-95-3	ug/L	9/2/2009										<1	<1	<1	<1			<1	<1					
Dibromomethane	74-95-3	ug/L	10/25/2009	<2		<1	<2	<2	<1	<1			<2	<2	<2	<1			<1	<1					
Dibromomethane	74-95-3	ug/L	1/2/2010										<1	<1	<1	<1			<1	<1					
Dibromomethane	74-95-3	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
Dibromomethane	74-95-3	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Dibromomethane	74-95-3	ug/L	7/8/2010									<1					<1	<1							
Dibromomethane	74-95-3	ug/L	9/13/2010									<1					<1	<1							
Dibromomethane	74-95-3	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
Dibromomethane	74-95-3	ug/L	1/10/2011									<1					<1	<1							
Dibromomethane	74-95-3	ug/L	4/4/2011									<1					<1	<1							
Dibromomethane	74-95-3	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
Dibromomethane	74-95-3	ug/L	12/5/2011				<1													<1					
Dibromomethane	74-95-3	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Dibromomethane	74-95-3	ug/L	6/25/2012					<1		<1															
Dibromomethane	74-95-3	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	7/10/2013																		<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/20/2018											<1					<1	<1					
Dibromomethane	74-95-3	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
Dibromomethane	74-95-3	ug/L	4/25/2018						<1																
Dibromomethane	74-95-3	ug/L	4/30/2018			<1	<1	<1										<1							
Dibromomethane	74-95-3	ug/L	5/1/2018								<1										<1	<1			
Dibromomethane	74-95-3	ug/L	5/2/2018																				<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	6/24/2020		<1																				
Dibromomethane	74-95-3	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	1/21/2021		<1																				
Dibromomethane	74-95-3	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/9/2024		<1.00								<1.00												
Dibromomethane	74-95-3	ug/L	10/10/2024						<1.00			<1.00													
Dibromomethane	74-95-3	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
Dibromomethane	74-95-3	ug/L	10/15/2024																				<1.00		<1.00
Dibromomethane	74-95-3	ug/L	4/23/2025	<1.00										<1.00					<1.00						
Dibromomethane	74-95-3	ug/L	4/24/2025													<1.00									

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Dibromomethane	74-95-3	ug/L	4/30/2025		<1.00							<1.00													
Dibromomethane	74-95-3	ug/L	5/5/2025						<1.00																
Dibromomethane	74-95-3	ug/L	5/6/2025										<1.00		<1.00										
Dibromomethane	74-95-3	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
Dibromomethane	74-95-3	ug/L	5/8/2025			<1.00		<1.00																	
Dibromomethane	74-95-3	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
Dichlorodifluoromethane	75-71-8	ug/L	4/14/2009	<3		<3	<3	<3	<3	<3															
Dichlorodifluoromethane	75-71-8	ug/L	7/7/2009							<3															
Dichlorodifluoromethane	75-71-8	ug/L	9/2/2009							<3															
Dichlorodifluoromethane	75-71-8	ug/L	10/25/2009							<3															
Dichlorodifluoromethane	75-71-8	ug/L	1/2/2010							<3															
Dichlorodifluoromethane	75-71-8	ug/L	5/10/2010	<3		<3	<3	<3	<3	<3			<3	<3	<3	<3			<3	<3					
Dichlorodifluoromethane	75-71-8	ug/L	7/8/2010							<3															
Dichlorodifluoromethane	75-71-8	ug/L	9/13/2010							<3															
Dichlorodifluoromethane	75-71-8	ug/L	11/1/2010							<3															
Dichlorodifluoromethane	75-71-8	ug/L	1/10/2011							<3															
Dichlorodifluoromethane	75-71-8	ug/L	4/4/2011							<3		3.19					<3	<3							
Dichlorodifluoromethane	75-71-8	ug/L	10/13/2011							<3															
Dichlorodifluoromethane	75-71-8	ug/L	4/11/2012							<3		3.72													
Dichlorodifluoromethane	75-71-8	ug/L	10/11/2012								<3	3.75													
Dichlorodifluoromethane	75-71-8	ug/L	3/30/2013								<3														
Dichlorodifluoromethane	75-71-8	ug/L	7/10/2013																		<3	<3	<3	<3	<3
Dichlorodifluoromethane	75-71-8	ug/L	10/7/2013							<3	<3														
Dichlorodifluoromethane	75-71-8	ug/L	6/2/2014									3.01													
Dichlorodifluoromethane	75-71-8	ug/L	10/15/2014									2.98J													
Dichlorodifluoromethane	75-71-8	ug/L	4/6/2015									4.51													
Dichlorodifluoromethane	75-71-8	ug/L	10/5/2015	0.251J		<3	<3	<3	<3			3.2	<3	<3	<3	<3			<3	<3					
Dichlorodifluoromethane	75-71-8	ug/L	4/4/2016									1.77J					0.284J	<3							
Dichlorodifluoromethane	75-71-8	ug/L	10/17/2016									2.75J													
Dichlorodifluoromethane	75-71-8	ug/L	4/17/2017									3.15													
Dichlorodifluoromethane	75-71-8	ug/L	10/11/2017									3.05													
Dichlorodifluoromethane	75-71-8	ug/L	4/23/2018									1.93J													
Dichlorodifluoromethane	75-71-8	ug/L	5/1/2018																		<3	<3			
Dichlorodifluoromethane	75-71-8	ug/L	5/2/2018																				<3	<3	<3
Dichlorodifluoromethane	75-71-8	ug/L	10/16/2018									2.5J													
Dichlorodifluoromethane	75-71-8	ug/L	4/16/2019									1.92J													
Dichlorodifluoromethane	75-71-8	ug/L	10/1/2019		33.4							<3													
Dichlorodifluoromethane	75-71-8	ug/L	3/30/2020	0.882J	21.3	<3	<3	<3	<3			1.67J	<3	<3	<3	<3			<3	<3					
Dichlorodifluoromethane	75-71-8	ug/L	6/24/2020		22.3																				
Dichlorodifluoromethane	75-71-8	ug/L	10/7/2020		13.4							<3													
Dichlorodifluoromethane	75-71-8	ug/L	1/21/2021		17.5																				
Dichlorodifluoromethane	75-71-8	ug/L	4/13/2021		18							1													
Dichlorodifluoromethane	75-71-8	ug/L	10/20/2021		12.2							1.7					<1	<1							
Dichlorodifluoromethane	75-71-8	ug/L	5/2/2022		14.4							1.6													
Dichlorodifluoromethane	75-71-8	ug/L	10/14/2022		5.2							0.8J													
Dichlorodifluoromethane	75-71-8	ug/L	5/1/2023		8.82							1.58J									<3	<3	<3	<3	<3
Dichlorodifluoromethane	75-71-8	ug/L	10/16/2023		7.02							1.18J													
Dichlorodifluoromethane	75-71-8	ug/L	4/29/2024		7.21							1.08J													
Dichlorodifluoromethane	75-71-8	ug/L	10/9/2024		5.28																				
Dichlorodifluoromethane	75-71-8	ug/L	10/10/2024									0.797J													
Dichlorodifluoromethane	75-71-8	ug/L	4/23/2025	0.256										<3.00					<3.00						
Dichlorodifluoromethane	75-71-8	ug/L	4/24/2025													<3.00									
Dichlorodifluoromethane	75-71-8	ug/L	4/30/2025		4.01							0.846													
Dichlorodifluoromethane	75-71-8	ug/L	5/5/2025						<3.00																
Dichlorodifluoromethane	75-71-8	ug/L	5/6/2025										<3.00		<3.00										
Dichlorodifluoromethane	75-71-8	ug/L	5/7/2025				<3.00													<3.00					
Dichlorodifluoromethane	75-71-8	ug/L	5/8/2025			<3.00		<3.00																	
Dieldrin	60-57-1	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
Dieldrin	60-57-1	ug/L	10/25/2009							<0.032															
Dieldrin	60-57-1	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
Dieldrin	60-57-1	ug/L	4/4/2011									<0.032					<0.032	<0.032							
Dieldrin	60-57-1	ug/L	10/11/2012								<0.032														
Dieldrin	60-57-1	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
Dieldrin	60-57-1	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	<0.033			<0.0348	<0.0323					
Dieldrin	60-57-1	ug/L	4/4/2016									<0.032					0.00256J	<0.032							
Dieldrin	60-57-1	ug/L	5/1/2018																		<0.0333	<0.0323			
Dieldrin	60-57-1	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
Dieldrin	60-57-1	ug/L	3/30/2020	<0.0333		<0.0337	<0.0333	<0.0344	<0.0337				<0.0337	<0.0333	<0.0333	<0.0333			<0.033	<0.033					
Dieldrin	60-57-1	ug/L	6/24/2020		0.003J																				
Dieldrin	60-57-1	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Dieldrin	60-57-1	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
Dieldrin	60-57-1	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
Dieldrin	60-57-1	ug/L	4/24/2025													<0.0921									
Dieldrin	60-57-1	ug/L	5/5/2025						<0.0895																
Dieldrin	60-57-1	ug/L	5/6/2025										<0.0907		<0.0902										
Dieldrin	60-57-1	ug/L	5/7/2025				<0.0907													<0.0904					
Dieldrin	60-57-1	ug/L	5/8/2025			<0.0882		<0.0904																	
Diethyl phthalate	84-66-2	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Diethyl phthalate	84-66-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Diethyl phthalate	84-66-2	ug/L	4/4/2011									<10					<10	<10							
Diethyl phthalate	84-66-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Diethyl phthalate	84-66-2	ug/L	6/2/2014																					<10.1	
Diethyl phthalate	84-66-2	ug/L	10/15/2014																					<10	
Diethyl phthalate	84-66-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Diethyl phthalate	84-66-2	ug/L	4/4/2016									<10					<10	<10							
Diethyl phthalate	84-66-2	ug/L	5/1/2018																		<10.4	<10.3			
Diethyl phthalate	84-66-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Diethyl phthalate	84-66-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Diethyl phthalate	84-66-2	ug/L	6/24/2020		<10.4																				
Diethyl phthalate	84-66-2	ug/L	10/20/2021		<8							<8					<8	<8							
Diethyl phthalate	84-66-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Diethyl phthalate	84-66-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Diethyl phthalate	84-66-2	ug/L	4/24/2025													<10.4									
Diethyl phthalate	84-66-2	ug/L	5/5/2025						<10.2																
Diethyl phthalate	84-66-2	ug/L	5/6/2025										<10.4		<10.6										
Diethyl phthalate	84-66-2	ug/L	5/7/2025				<10.2													<10.6					
Diethyl phthalate	84-66-2	ug/L	5/8/2025			<9.80		<10.6																	
Dimethoate	60-51-5	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Dimethoate	60-51-5	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Dimethoate	60-51-5	ug/L	4/4/2011									<10					<10	<10							
Dimethoate	60-51-5	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Dimethoate	60-51-5	ug/L	6/2/2014																					<10.1	
Dimethoate	60-51-5	ug/L	10/15/2014																					<10	
Dimethoate	60-51-5	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Dimethoate	60-51-5	ug/L	4/4/2016									<10					<10	<10							
Dimethoate	60-51-5	ug/L	5/1/2018																		<10.4	<10.3			
Dimethoate	60-51-5	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Dimethoate	60-51-5	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Dimethoate	60-51-5	ug/L	6/24/2020		<10.4																				
Dimethoate	60-51-5	ug/L	10/20/2021		<0.4							<0.4					<0.4	<0.4							
Dimethoate	60-51-5	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Dimethoate	60-51-5	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Dimethoate	60-51-5	ug/L	4/24/2025													<10.4									
Dimethoate	60-51-5	ug/L	5/5/2025						<10.2																
Dimethoate	60-51-5	ug/L	5/6/2025										<10.4		<10.6										
Dimethoate	60-51-5	ug/L	5/7/2025				<10.2													<10.6					
Dimethoate	60-51-5	ug/L	5/8/2025			<9.80		<10.6																	
Dimethyl phthalate	131-11-3	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Dimethyl phthalate	131-11-3	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Dimethyl phthalate	131-11-3	ug/L	4/4/2011									<10					<10	<10							
Dimethyl phthalate	131-11-3	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Dimethyl phthalate	131-11-3	ug/L	6/2/2014																					<10.1	
Dimethyl phthalate	131-11-3	ug/L	10/15/2014																					<10	
Dimethyl phthalate	131-11-3	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Dimethyl phthalate	131-11-3	ug/L	4/4/2016									<10					<10	<10							
Dimethyl phthalate	131-11-3	ug/L	5/1/2018																		<10.4	<10.3			
Dimethyl phthalate	131-11-3	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Dimethyl phthalate	131-11-3	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Dimethyl phthalate	131-11-3	ug/L	6/24/2020		<10.4																				
Dimethyl phthalate	131-11-3	ug/L	10/20/2021		<8							<8					<8	<8							
Dimethyl phthalate	131-11-3	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Dimethyl phthalate	131-11-3	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Dimethyl phthalate	131-11-3	ug/L	4/24/2025													<10.4									
Dimethyl phthalate	131-11-3	ug/L	5/5/2025						<10.2																
Dimethyl phthalate	131-11-3	ug/L	5/6/2025										<10.4		<10.6										
Dimethyl phthalate	131-11-3	ug/L	5/7/2025				<10.2													<10.6					
Dimethyl phthalate	131-11-3	ug/L	5/8/2025			<9.80		<10.6																	
Dimethylaminoazobenzene	60-11-7	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Dimethylaminoazobenzene	60-11-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Dimethylaminoazobenzene	60-11-7	ug/L	4/4/2011									<10					<10	<10							
Dimethylaminoazobenzene	60-11-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Dimethylaminoazobenzene	60-11-7	ug/L	6/2/2014																					<10.1	
Dimethylaminoazobenzene	60-11-7	ug/L	10/15/2014																					<10	
Dimethylaminoazobenzene	60-11-7	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Dimethylaminoazobenzene	60-11-7	ug/L	4/4/2016									<10					<10	<10							
Dimethylaminoazobenzene	60-11-7	ug/L	5/1/2018																		<10.4	<10.3			
Dimethylaminoazobenzene	60-11-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Dimethylaminoazobenzene	60-11-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Dimethylaminoazobenzene	60-11-7	ug/L	6/24/2020		<10.4																				
Dimethylaminoazobenzene	60-11-7	ug/L	10/20/2021		<8							<8					<8	<8							
Dimethylaminoazobenzene	60-11-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Dinoseb	88-85-7	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Dinoseb	88-85-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Dinoseb	88-85-7	ug/L	4/4/2011									<10					<10	<10							
Dinoseb	88-85-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Dinoseb	88-85-7	ug/L	6/2/2014																					<10.1	
Dinoseb	88-85-7	ug/L	10/15/2014																					<10	
Dinoseb	88-85-7	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Dinoseb	88-85-7	ug/L	4/4/2016									<10					<10	<10							
Dinoseb	88-85-7	ug/L	5/1/2018																		<10.4	<10.3			
Dinoseb	88-85-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Dinoseb	88-85-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Dinoseb	88-85-7	ug/L	6/24/2020		<10.4																				
Dinoseb	88-85-7	ug/L	10/20/2021		<0.5							<0.5					<0.5	<0.5							
Dinoseb	88-85-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Dinoseb	88-85-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Dinoseb	88-85-7	ug/L	4/24/2025													<10.4									
Dinoseb	88-85-7	ug/L	5/5/2025						<10.2																
Dinoseb	88-85-7	ug/L	5/6/2025										<10.4		<10.6										
Dinoseb	88-85-7	ug/L	5/7/2025				<10.2													<10.6					
Dinoseb	88-85-7	ug/L	5/8/2025			<9.80		<10.6																	
Diphenylamine	122-39-4	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Diphenylamine	122-39-4	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Diphenylamine	122-39-4	ug/L	4/4/2011									<10					<10	<10							

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Diphenylamine	122-39-4	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Diphenylamine	122-39-4	ug/L	6/2/2014																					<10.1	
Diphenylamine	122-39-4	ug/L	10/15/2014																					<10	
Diphenylamine	122-39-4	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Diphenylamine	122-39-4	ug/L	4/4/2016									<10					<10	<10							
Diphenylamine	122-39-4	ug/L	5/1/2018																		<10.4	<10.3			
Diphenylamine	122-39-4	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Diphenylamine	122-39-4	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Diphenylamine	122-39-4	ug/L	6/24/2020		<10.4																				
Diphenylamine	122-39-4	ug/L	10/20/2021		<8							<8					<8	<8							
Diphenylamine	122-39-4	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Diphenylamine	122-39-4	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Diphenylamine	122-39-4	ug/L	4/24/2025													<10.4									
Diphenylamine	122-39-4	ug/L	5/5/2025						<10.2																
Diphenylamine	122-39-4	ug/L	5/6/2025										<10.4		<10.6										
Diphenylamine	122-39-4	ug/L	5/7/2025				<10.2													<10.6					
Diphenylamine	122-39-4	ug/L	5/8/2025			<9.80		<10.6																	
Disulfoton	298-04-4	ug/L	4/14/2009	<70		<70	<70	<70	<70	<70															
Disulfoton	298-04-4	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Disulfoton	298-04-4	ug/L	4/4/2011									<10					<10	<10							
Disulfoton	298-04-4	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Disulfoton	298-04-4	ug/L	6/2/2014																					<10.1	
Disulfoton	298-04-4	ug/L	10/15/2014																					<10	
Disulfoton	298-04-4	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Disulfoton	298-04-4	ug/L	4/4/2016									<10					<10	<10							
Disulfoton	298-04-4	ug/L	5/1/2018																		<10.4	<10.3			
Disulfoton	298-04-4	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Disulfoton	298-04-4	ug/L	3/30/2020	<10.4		<10.8	1.06J	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Disulfoton	298-04-4	ug/L	6/24/2020		<10.4																				
Disulfoton	298-04-4	ug/L	10/20/2021		<0.4							<0.4					<0.4	<0.4							
Disulfoton	298-04-4	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Disulfoton	298-04-4	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Disulfoton	298-04-4	ug/L	4/24/2025													<10.4									
Disulfoton	298-04-4	ug/L	5/5/2025						<10.2																
Disulfoton	298-04-4	ug/L	5/6/2025										<10.4		<10.6										
Disulfoton	298-04-4	ug/L	5/7/2025				<10.2													<10.6					
Disulfoton	298-04-4	ug/L	5/8/2025			<9.80		<10.6																	
Endosulfan I	959-98-8	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
Endosulfan I	959-98-8	ug/L	10/25/2009							<0.032															
Endosulfan I	959-98-8	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
Endosulfan I	959-98-8	ug/L	4/4/2011									<0.032					<0.032	<0.032							
Endosulfan I	959-98-8	ug/L	10/11/2012								<0.032														
Endosulfan I	959-98-8	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
Endosulfan I	959-98-8	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	<0.033			<0.0348	<0.0323					
Endosulfan I	959-98-8	ug/L	4/4/2016									<0.032					<0.032	<0.032							
Endosulfan I	959-98-8	ug/L	5/1/2018																		<0.0333	<0.0323			
Endosulfan I	959-98-8	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
Endosulfan I	959-98-8	ug/L	3/30/2020	<0.0333		<0.0337	<0.0333	<0.0344	<0.0337				0.00313J	<0.0333	<0.0333	0.00258J			<0.033	<0.033					
Endosulfan I	959-98-8	ug/L	4/4/2016									<0.032					<0.032	<0.032							
Endosulfan I	959-98-8	ug/L	5/1/2018																		<0.0333	<0.0323			
Endosulfan I	959-98-8	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
Endosulfan I	959-98-8	ug/L	3/30/2020	<0.0333		<0.0337	<0.0333	<0.0344	<0.0337				0.00313J	<0.0333	<0.0333	0.00258J			<0.033	<0.033					
Endosulfan I	959-98-8	ug/L	6/24/2020		<0.0337																				
Endosulfan I	959-98-8	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Endosulfan I	959-98-8	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
Endosulfan I	959-98-8	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
Endosulfan I	959-98-8	ug/L	4/24/2025													<0.0921									
Endosulfan I	959-98-8	ug/L	5/5/2025						<0.0895																
Endosulfan I	959-98-8	ug/L	5/6/2025										<0.0907		<0.0902										
Endosulfan I	959-98-8	ug/L	5/7/2025				<0.0907													<0.0904					
Endosulfan I	959-98-8	ug/L	5/8/2025			<0.0882		<0.0904																	
Endosulfan II	33213-65-9	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
Endosulfan II	33213-65-9	ug/L	10/25/2009							<0.032															
Endosulfan II	33213-65-9	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
Endosulfan II	33213-65-9	ug/L	4/4/2011									<0.032					<0.032	<0.032							
Endosulfan II	33213-65-9	ug/L	10/11/2012								<0.032														
Endosulfan II	33213-65-9	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
Endosulfan II	33213-65-9	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	<0.033			<0.0348	<0.0323					
Endosulfan II	33213-65-9	ug/L	4/4/2016									<0.032					<0.032	<0.032							
Endosulfan II	33213-65-9	ug/L	5/1/2018																		<0.0333	<0.0323			
Endosulfan II	33213-65-9	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
Endosulfan II	33213-65-9	ug/L	3/30/2020	<0.0333		<0.0337	<0.0333	<0.0344	<0.0337				<0.0337	<0.0333	<0.0333	<0.0333			<0.033	<0.033					
Endosulfan II	33213-65-9	ug/L	6/24/2020		<0.0337																				
Endosulfan II	33213-65-9	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Endosulfan II	33213-65-9	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
Endosulfan II	33213-65-9	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
Endosulfan II	33213-65-9	ug/L	4/24/2025													<0.0921									
Endosulfan II	33213-65-9	ug/L	5/5/2025						<0.0895																
Endosulfan II	33213-65-9	ug/L	5/6/2025										<0.0907		<0.0902										
Endosulfan II	33213-65-9	ug/L	5/7/2025				<0.0907													<0.0904					
Endosulfan II	33213-65-9	ug/L	5/8/2025			<0.0882		<0.0904																	
Endosulfan sulfate	1031-07-8	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
Endosulfan sulfate	1031-07-8	ug/L	10/25/2009							<0.032															
Endosulfan sulfate	1031-07-8	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
Endosulfan sulfate	1031-07-8	ug/L	4/4/2011									<0.032					<0.032	<0.032							
Endosulfan sulfate	1031-07-8	ug/L	10/11/2012								<0.032														
Endosulfan sulfate	1031-07-8	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
Endosulfan sulfate	1031-07-8	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	<0.033			<0.0348	<0.0323					
Endosulfan sulfate	1031-07-8	ug/L	4/4/2016									<0.032					0.01J	<0.032							
Endosulfan sulfate	1031-07-8	ug/L	5/1/2018																		<0.0333	<0.0323			
Endosulfan sulfate	1031-07-8	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Endosulfan sulfate	1031-07-8	ug/L	3/30/2020	<0.0333		<0.0337	<0.0333	<0.0344	<0.0337				<0.0337	<0.0333	<0.0333	<0.0333			<0.033	<0.033					
Endosulfan sulfate	1031-07-8	ug/L	6/24/2020		<0.0337																				
Endosulfan sulfate	1031-07-8	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Endosulfan sulfate	1031-07-8	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
Endosulfan sulfate	1031-07-8	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
Endosulfan sulfate	1031-07-8	ug/L	4/24/2025													<0.0921									
Endosulfan sulfate	1031-07-8	ug/L	5/5/2025						<0.0895																
Endosulfan sulfate	1031-07-8	ug/L	5/6/2025										<0.0907		<0.0902										
Endosulfan sulfate	1031-07-8	ug/L	5/7/2025				<0.0907													<0.0904					
Endosulfan sulfate	1031-07-8	ug/L	5/8/2025			<0.0882		<0.0904																	
Endrin	72-20-8	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
Endrin	72-20-8	ug/L	10/25/2009							<0.032															
Endrin	72-20-8	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
Endrin	72-20-8	ug/L	4/4/2011									<0.032					<0.032	<0.032							
Endrin	72-20-8	ug/L	10/11/2012								<0.032														
Endrin	72-20-8	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
Endrin	72-20-8	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	<0.033			<0.0348	<0.0323					
Endrin	72-20-8	ug/L	4/4/2016									<0.032					0.00354J	<0.032							
Endrin	72-20-8	ug/L	5/1/2018																		<0.0333	<0.0323			
Endrin	72-20-8	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
Endrin	72-20-8	ug/L	3/30/2020	<0.0333		<0.0337	<0.0333	<0.0344	<0.0337				<0.0337	<0.0333	<0.0333	<0.0333			<0.033	<0.033					
Endrin	72-20-8	ug/L	6/24/2020		<0.0337																				
Endrin	72-20-8	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Endrin	72-20-8	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
Endrin	72-20-8	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
Endrin	72-20-8	ug/L	4/24/2025													<0.0921									
Endrin	72-20-8	ug/L	5/5/2025						<0.0895																
Endrin	72-20-8	ug/L	5/6/2025										<0.0907		<0.0902										
Endrin	72-20-8	ug/L	5/7/2025				<0.0907													<0.0904					
Endrin	72-20-8	ug/L	5/8/2025			<0.0882		<0.0904																	
Endrin aldehyde	7421-93-4	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
Endrin aldehyde	7421-93-4	ug/L	10/25/2009							<0.032															
Endrin aldehyde	7421-93-4	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
Endrin aldehyde	7421-93-4	ug/L	1/10/2011							<0.032															
Endrin aldehyde	7421-93-4	ug/L	4/4/2011							<0.032		<0.032					<0.032	<0.032							
Endrin aldehyde	7421-93-4	ug/L	7/8/2011							<0.032															
Endrin aldehyde	7421-93-4	ug/L	8/11/2011							<0.032															
Endrin aldehyde	7421-93-4	ug/L	12/5/2011							<0.032															
Endrin aldehyde	7421-93-4	ug/L	4/11/2012							<0.032															
Endrin aldehyde	7421-93-4	ug/L	10/11/2012								<0.032														
Endrin aldehyde	7421-93-4	ug/L	12/13/2012								<0.05														
Endrin aldehyde	7421-93-4	ug/L	2/4/2013								<0.032														
Endrin aldehyde	7421-93-4	ug/L	3/30/2013								<0.032														
Endrin aldehyde	7421-93-4	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
Endrin aldehyde	7421-93-4	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	<0.033			<0.0348	<0.0323					
Endrin aldehyde	7421-93-4	ug/L	4/4/2016									<0.032					<0.032	<0.032							
Endrin aldehyde	7421-93-4	ug/L	5/1/2018																		<0.0333	<0.0323			
Endrin aldehyde	7421-93-4	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
Endrin aldehyde	7421-93-4	ug/L	3/30/2020	<0.0333		<0.0337	<0.0333	<0.0344	<0.0337				<0.0337	<0.0333	<0.0333	<0.0333			<0.033	<0.033					
Endrin aldehyde	7421-93-4	ug/L	6/24/2020		<0.0337																				
Endrin aldehyde	7421-93-4	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Endrin aldehyde	7421-93-4	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
Endrin aldehyde	7421-93-4	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
Endrin aldehyde	7421-93-4	ug/L	4/24/2025													<0.0921									
Endrin aldehyde	7421-93-4	ug/L	5/5/2025						<0.0895																
Endrin aldehyde	7421-93-4	ug/L	5/6/2025										<0.0907		<0.0902										
Endrin aldehyde	7421-93-4	ug/L	5/7/2025				<0.0907													<0.0904					
Endrin aldehyde	7421-93-4	ug/L	5/8/2025			<0.0882		<0.0904																	
Ethyl Methacrylate	97-63-2	ug/L	4/14/2009	<2		<2	<2	<2	<2	<2															
Ethyl Methacrylate	97-63-2	ug/L	5/10/2010	<20		<20	<20	<20	<20	<20			<20	<20	<20	<20			<20	<20					
Ethyl Methacrylate	97-63-2	ug/L	4/4/2011									<2					<2	<4							
Ethyl Methacrylate	97-63-2	ug/L	10/11/2012								<2														
Ethyl Methacrylate	97-63-2	ug/L	7/10/2013																		<2	<2	<2	<2	<2
Ethyl Methacrylate	97-63-2	ug/L	10/5/2015	<2		<2	<2	<2	<2				<2	<2	<2	<2			<2	<2					
Ethyl Methacrylate	97-63-2	ug/L	4/4/2016									<2					<2	<2							
Ethyl Methacrylate	97-63-2	ug/L	5/1/2018																		<2	<2			
Ethyl Methacrylate	97-63-2	ug/L	5/2/2018																				<2	<2	<2
Ethyl Methacrylate	97-63-2	ug/L	3/30/2020	<2		<2	<2	<2	<2				<2	<2	<2	<2			<2	<2					
Ethyl Methacrylate	97-63-2	ug/L	6/24/2020		<2																				
Ethyl Methacrylate	97-63-2	ug/L	10/20/2021		<10							<10					<10	<10							
Ethyl Methacrylate	97-63-2	ug/L	5/1/2023																		<2	<2	<2	<2	<2
Ethyl Methanesulfonate	62-50-0	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Ethyl Methanesulfonate	62-50-0	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Ethyl Methanesulfonate	62-50-0	ug/L	4/4/2011									<10					<10	<10							
Ethyl Methanesulfonate	62-50-0	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Ethyl Methanesulfonate	62-50-0	ug/L	6/2/2014																					<10.1	
Ethyl Methanesulfonate	62-50-0	ug/L	10/15/2014																					<10	
Ethyl Methanesulfonate	62-50-0	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Ethyl Methanesulfonate	62-50-0	ug/L	4/4/2016									<10					<10	<10							
Ethyl Methanesulfonate	62-50-0	ug/L	5/1/2018																		<10.4	<10.3			
Ethyl Methanesulfonate	62-50-0	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Ethyl Methanesulfonate	62-50-0	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Ethyl Methanesulfonate	62-50-0	ug/L	6/24/2020		<10.4																				
Ethyl Methanesulfonate	62-50-0	ug/L	10/20/2021		<8							<8					<8	<8							
Ethyl Methanesulfonate	62-50-0	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Ethyl Parathion	56-38-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Ethyl Parathion	56-38-2	ug/L	4/24/2025													<10.4									

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Ethyl Parathion	56-38-2	ug/L	5/5/2025						<10.2																
Ethyl Parathion	56-38-2	ug/L	5/6/2025										<10.4		<10.6										
Ethyl Parathion	56-38-2	ug/L	5/7/2025				<10.2													<10.6					
Ethyl Parathion	56-38-2	ug/L	5/8/2025			<9.80		<10.6																	
Ethyl methacrylate	97-63-2	ug/L	4/23/2025	<2.00										<2.00					<2.00						
Ethyl methacrylate	97-63-2	ug/L	4/24/2025													<2.00									
Ethyl methacrylate	97-63-2	ug/L	5/5/2025						<2.00																
Ethyl methacrylate	97-63-2	ug/L	5/6/2025										<2.00		<2.00										
Ethyl methacrylate	97-63-2	ug/L	5/7/2025				<2.00													<2.00					
Ethyl methacrylate	97-63-2	ug/L	5/8/2025			<2.00		<2.00																	
Ethyl methanesulfonate	62-50-0	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Ethyl methanesulfonate	62-50-0	ug/L	4/24/2025													<10.4									
Ethyl methanesulfonate	62-50-0	ug/L	5/5/2025						<10.2																
Ethyl methanesulfonate	62-50-0	ug/L	5/6/2025										<10.4		<10.6										
Ethyl methanesulfonate	62-50-0	ug/L	5/7/2025				<10.2													<10.6					
Ethyl methanesulfonate	62-50-0	ug/L	5/8/2025			<9.80		<10.6																	
Ethylbenzene	100-41-4	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
Ethylbenzene	100-41-4	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
Ethylbenzene	100-41-4	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
Ethylbenzene	100-41-4	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
Ethylbenzene	100-41-4	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
Ethylbenzene	100-41-4	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
Ethylbenzene	100-41-4	ug/L	7/7/2009										<1	<1	<1	5.01			<1	<1					
Ethylbenzene	100-41-4	ug/L	9/2/2009										<1	<1	<1	1.77			<1	<1					
Ethylbenzene	100-41-4	ug/L	10/25/2009	<2		<1	<2	<2	<1	<1			<2	<2	<2	1.93			<1	<1					
Ethylbenzene	100-41-4	ug/L	1/2/2010										<1	<1	<1	<1			<1	<1					
Ethylbenzene	100-41-4	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
Ethylbenzene	100-41-4	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	1.38	<1	<1	<1	<1					
Ethylbenzene	100-41-4	ug/L	7/8/2010							<1		<1				1.01	<1	<1							
Ethylbenzene	100-41-4	ug/L	9/13/2010							<1		<1				1.2	<1	<1							
Ethylbenzene	100-41-4	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
Ethylbenzene	100-41-4	ug/L	1/10/2011							<1		<1				<1	<1	<1							
Ethylbenzene	100-41-4	ug/L	4/4/2011							<1		<1				<1	<1	<1							
Ethylbenzene	100-41-4	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
Ethylbenzene	100-41-4	ug/L	12/5/2011				<1													<1					
Ethylbenzene	100-41-4	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Ethylbenzene	100-41-4	ug/L	6/25/2012					<1		<1															
Ethylbenzene	100-41-4	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	7/10/2013																		<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/20/2018											<1					<1	<1					
Ethylbenzene	100-41-4	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
Ethylbenzene	100-41-4	ug/L	4/25/2018						<1																
Ethylbenzene	100-41-4	ug/L	4/30/2018			<1	<1	<1										<1							
Ethylbenzene	100-41-4	ug/L	5/1/2018								<1										<1	<1			
Ethylbenzene	100-41-4	ug/L	5/2/2018																				<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	6/24/2020		<1																				
Ethylbenzene	100-41-4	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	1/21/2021		<1																				
Ethylbenzene	100-41-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/9/2024		<1.00								<1.00												
Ethylbenzene	100-41-4	ug/L	10/10/2024						<1.00			<1.00													
Ethylbenzene	100-41-4	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
Ethylbenzene	100-41-4	ug/L	10/15/2024																				<1.00		<1.00
Ethylbenzene	100-41-4	ug/L	4/23/2025	<1.00										<1.00					<1.00						
Ethylbenzene	100-41-4	ug/L	4/24/2025													<1.00									
Ethylbenzene	100-41-4	ug/L	4/30/2025		<1.00							<1.00													
Ethylbenzene	100-41-4	ug/L	5/5/2025						<1.00																
Ethylbenzene	100-41-4	ug/L	5/6/2025										<1.00		<1.00										
Ethylbenzene	100-41-4	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
Ethylbenzene	100-41-4	ug/L	5/8/2025			<1.00		<1.00																	
Ethylbenzene	100-41-4	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
Famphur	52-85-7	ug/L	4/14/2009	<20		<20	<20	<20	<20	<20															
Famphur	52-85-7	ug/L	5/10/2010	<20		<20	<20	<20	<20	<20			<20	<20	<20	<20			<20	<20					
Famphur	52-85-7	ug/L	4/4/2011									<20					<20	<20							

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Famphur	52-85-7	ug/L	7/10/2013																		<20.4	<20.2	<20.2	<213	<20.6
Famphur	52-85-7	ug/L	6/2/2014																					<20.2	
Famphur	52-85-7	ug/L	10/15/2014																					<20	
Famphur	52-85-7	ug/L	10/5/2015	<20.8		<20	<21.1	<21.1	<20.2				<21.5	<21.3	<21.1	<20.6			<22.2	<20.2					
Famphur	52-85-7	ug/L	4/4/2016									<20					<20	<20							
Famphur	52-85-7	ug/L	5/1/2018																		<10.4	<10.3			
Famphur	52-85-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Famphur	52-85-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Famphur	52-85-7	ug/L	6/24/2020		<10.4																				
Famphur	52-85-7	ug/L	10/20/2021		<0.4							<0.4					<0.4	<0.4							
Famphur	52-85-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Famphur	52-85-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Famphur	52-85-7	ug/L	4/24/2025													<10.4									
Famphur	52-85-7	ug/L	5/5/2025						<10.2																
Famphur	52-85-7	ug/L	5/6/2025										<10.4		<10.6										
Famphur	52-85-7	ug/L	5/7/2025				<10.2													<10.6					
Famphur	52-85-7	ug/L	5/8/2025			<9.80		<10.6																	
Fluoranthene	206-44-0	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Fluoranthene	206-44-0	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Fluoranthene	206-44-0	ug/L	4/4/2011									<10					<10	<10							
Fluoranthene	206-44-0	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Fluoranthene	206-44-0	ug/L	6/2/2014																					<10.1	
Fluoranthene	206-44-0	ug/L	10/15/2014																					<10	
Fluoranthene	206-44-0	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Fluoranthene	206-44-0	ug/L	4/4/2016									<10					<10	<10							
Fluoranthene	206-44-0	ug/L	5/1/2018																		<10.4	<10.3			
Fluoranthene	206-44-0	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Fluoranthene	206-44-0	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Fluoranthene	206-44-0	ug/L	6/24/2020		<10.4																				
Fluoranthene	206-44-0	ug/L	10/20/2021		<8							<8					<8	<8							
Fluoranthene	206-44-0	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Fluoranthene	206-44-0	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Fluoranthene	206-44-0	ug/L	4/24/2025													<10.4									
Fluoranthene	206-44-0	ug/L	5/5/2025						<10.2																
Fluoranthene	206-44-0	ug/L	5/6/2025										<10.4		<10.6										
Fluoranthene	206-44-0	ug/L	5/7/2025				<10.2													<10.6					
Fluoranthene	206-44-0	ug/L	5/8/2025			<9.80		<10.6																	
Fluorene	86-73-7	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Fluorene	86-73-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Fluorene	86-73-7	ug/L	4/4/2011									<10					<10	<10							
Fluorene	86-73-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Fluorene	86-73-7	ug/L	6/2/2014																					<10.1	
Fluorene	86-73-7	ug/L	10/15/2014																					<10	
Fluorene	86-73-7	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Fluorene	86-73-7	ug/L	4/4/2016									<10					<10	<10							
Fluorene	86-73-7	ug/L	5/1/2018																		<10.4	<10.3			
Fluorene	86-73-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Fluorene	86-73-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Fluorene	86-73-7	ug/L	6/24/2020		<10.4																				
Fluorene	86-73-7	ug/L	10/20/2021		<8							<8					<8	<8							
Fluorene	86-73-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Fluorene	86-73-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Fluorene	86-73-7	ug/L	4/24/2025													<10.4									
Fluorene	86-73-7	ug/L	5/5/2025						<10.2																
Fluorene	86-73-7	ug/L	5/6/2025										<10.4		<10.6										
Fluorene	86-73-7	ug/L	5/7/2025				<10.2													<10.6					
Fluorene	86-73-7	ug/L	5/8/2025			<9.80		<10.6																	
Gamma-BHC [Lindane]	58-89-9	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
Gamma-BHC [Lindane]	58-89-9	ug/L	10/25/2009							<0.032															
Gamma-BHC [Lindane]	58-89-9	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
Gamma-BHC [Lindane]	58-89-9	ug/L	4/4/2011									<0.032					<0.032	<0.032							
Gamma-BHC [Lindane]	58-89-9	ug/L	10/11/2012								<0.032														
Gamma-BHC [Lindane]	58-89-9	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
Gamma-BHC [Lindane]	58-89-9	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	0.00274J			<0.0348	<0.0323					
Gamma-BHC [Lindane]	58-89-9	ug/L	4/4/2016									<0.032					0.00253J	<0.032							
Gamma-BHC [Lindane]	58-89-9	ug/L	5/1/2018																		<0.0333	<0.0323			
Gamma-BHC [Lindane]	58-89-9	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
Gamma-BHC [Lindane]	58-89-9	ug/L	3/30/2020	<0.0333		<0.0337	0.00234J	<0.0344	0.00201J				<0.0337	<0.0333	<0.0333	0.00228J			<0.033	<0.033					
Gamma-BHC [Lindane]	58-89-9	ug/L	6/24/2020		<0.0337																				
Gamma-BHC [Lindane]	58-89-9	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Gamma-BHC [Lindane]	58-89-9	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
Gamma-Chlordane	5566-34-7	ug/L	5/10/2010			<0.032		<0.032		<0.032									<0.032						
Heptachlor	76-44-8	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
Heptachlor	76-44-8	ug/L	10/25/2009							<0.032															
Heptachlor	76-44-8	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
Heptachlor	76-44-8	ug/L	7/8/2010							<0.032															
Heptachlor	76-44-8	ug/L	9/13/2010							<0.032															
Heptachlor	76-44-8	ug/L	11/1/2010							<0.032															
Heptachlor	76-44-8	ug/L	1/10/2011							<0.032															
Heptachlor	76-44-8	ug/L	4/4/2011							<0.032		<0.032					<0.032	<0.032							
Heptachlor	76-44-8	ug/L	4/11/2012							<0.032															
Heptachlor	76-44-8	ug/L	10/11/2012								<0.032														
Heptachlor	76-44-8	ug/L	12/13/2012								<0.05														
Heptachlor	76-44-8	ug/L	2/4/2013								<0.032														
Heptachlor	76-44-8	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
Heptachlor	76-44-8	ug/L	10/5/2015	0.00666J		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	<0.033			<0.0348	<0.0323					
Heptachlor	76-44-8	ug/L	4/4/2016									<0.032					0.00388J	<0.032							

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Heptachlor	76-44-8	ug/L	5/1/2018																		<0.0333	<0.0323			
Heptachlor	76-44-8	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
Heptachlor	76-44-8	ug/L	3/30/2020	<0.0333		<0.0337	<0.0333	<0.0344	<0.0337				<0.0337	<0.0333	<0.0333	<0.0333			<0.033	<0.033					
Heptachlor	76-44-8	ug/L	6/24/2020		<0.0337																				
Heptachlor	76-44-8	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Heptachlor	76-44-8	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
Heptachlor	76-44-8	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
Heptachlor	76-44-8	ug/L	4/24/2025													<0.0921									
Heptachlor	76-44-8	ug/L	5/5/2025						<0.0895																
Heptachlor	76-44-8	ug/L	5/6/2025										<0.0907		<0.0902										
Heptachlor	76-44-8	ug/L	5/7/2025				<0.0907													<0.0904					
Heptachlor	76-44-8	ug/L	5/8/2025			<0.0882		<0.0904																	
Heptachlor Epoxide	1024-57-3	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
Heptachlor Epoxide	1024-57-3	ug/L	10/25/2009							<0.032															
Heptachlor Epoxide	1024-57-3	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
Heptachlor Epoxide	1024-57-3	ug/L	4/4/2011									<0.032					<0.032	<0.032							
Heptachlor Epoxide	1024-57-3	ug/L	10/11/2012								<0.032														
Heptachlor Epoxide	1024-57-3	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
Heptachlor Epoxide	1024-57-3	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	<0.033			<0.0348	<0.0323					
Heptachlor Epoxide	1024-57-3	ug/L	4/4/2016									<0.032					<0.032	<0.032							
Heptachlor Epoxide	1024-57-3	ug/L	5/1/2018																		<0.0333	<0.0323			
Heptachlor Epoxide	1024-57-3	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
Heptachlor Epoxide	1024-57-3	ug/L	3/30/2020	<0.0333		<0.0337	<0.0333	<0.0344	<0.0337				<0.0337	<0.0333	<0.0333	<0.0333			<0.033	<0.033					
Heptachlor Epoxide	1024-57-3	ug/L	6/24/2020		<0.0337																				
Heptachlor Epoxide	1024-57-3	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Heptachlor Epoxide	1024-57-3	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
Heptachlor epoxide	1024-57-3	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
Heptachlor epoxide	1024-57-3	ug/L	4/24/2025													<0.0921									
Heptachlor epoxide	1024-57-3	ug/L	5/5/2025						<0.0895																
Heptachlor epoxide	1024-57-3	ug/L	5/6/2025										<0.0907		<0.0902										
Heptachlor epoxide	1024-57-3	ug/L	5/7/2025				<0.0907													<0.0904					
Heptachlor epoxide	1024-57-3	ug/L	5/8/2025			<0.0882		<0.0904																	
Hexachlorobenzene	118-74-1	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Hexachlorobenzene	118-74-1	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Hexachlorobenzene	118-74-1	ug/L	4/4/2011									<10					<10	<10							
Hexachlorobenzene	118-74-1	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Hexachlorobenzene	118-74-1	ug/L	6/2/2014																					<10.1	
Hexachlorobenzene	118-74-1	ug/L	10/15/2014																					<10	
Hexachlorobenzene	118-74-1	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Hexachlorobenzene	118-74-1	ug/L	4/4/2016									<10					<10	<10							
Hexachlorobenzene	118-74-1	ug/L	5/1/2018																		<10.4	<10.3			
Hexachlorobenzene	118-74-1	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Hexachlorobenzene	118-74-1	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Hexachlorobenzene	118-74-1	ug/L	6/24/2020		<10.4																				
Hexachlorobenzene	118-74-1	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Hexachlorobenzene	118-74-1	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Hexachlorobenzene	118-74-1	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Hexachlorobenzene	118-74-1	ug/L	4/24/2025													<10.4									
Hexachlorobenzene	118-74-1	ug/L	5/5/2025						<10.2																
Hexachlorobenzene	118-74-1	ug/L	5/6/2025										<10.4		<10.6										
Hexachlorobenzene	118-74-1	ug/L	5/7/2025				<10.2													<10.6					
Hexachlorobenzene	118-74-1	ug/L	5/8/2025			<9.80		<10.6																	
Hexachlorobutadiene	87-68-3	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Hexachlorobutadiene	87-68-3	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Hexachlorobutadiene	87-68-3	ug/L	4/4/2011									<10					<10	<10							
Hexachlorobutadiene	87-68-3	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Hexachlorobutadiene	87-68-3	ug/L	6/2/2014																					<10.1	
Hexachlorobutadiene	87-68-3	ug/L	10/15/2014																					<10	
Hexachlorobutadiene	87-68-3	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Hexachlorobutadiene	87-68-3	ug/L	4/4/2016									<10					<10	<10							
Hexachlorobutadiene	87-68-3	ug/L	5/1/2018																		<10.4	<10.3			
Hexachlorobutadiene	87-68-3	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Hexachlorobutadiene	87-68-3	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Hexachlorobutadiene	87-68-3	ug/L	6/24/2020		<10.4																				
Hexachlorobutadiene	87-68-3	ug/L	10/20/2021		<8							<8					<8	<8							
Hexachlorobutadiene	87-68-3	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Hexachlorobutadiene	87-68-3	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Hexachlorobutadiene	87-68-3	ug/L	4/24/2025													<10.4									
Hexachlorobutadiene	87-68-3	ug/L	5/5/2025						<10.2																
Hexachlorobutadiene	87-68-3	ug/L	5/6/2025										<10.4		<10.6										
Hexachlorobutadiene	87-68-3	ug/L	5/7/2025				<10.2													<10.6					
Hexachlorobutadiene	87-68-3	ug/L	5/8/2025			<9.80		<10.6																	
Hexachlorocyclopentadiene	77-47-4	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Hexachlorocyclopentadiene	77-47-4	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Hexachlorocyclopentadiene	77-47-4	ug/L	4/4/2011									<10					<10	<10							
Hexachlorocyclopentadiene	77-47-4	ug/L	7/10/2013																		<20.4	<20.2	<20.2	<213	<20.6
Hexachlorocyclopentadiene	77-47-4	ug/L	6/2/2014																					<20.2	
Hexachlorocyclopentadiene	77-47-4	ug/L	10/15/2014																					<20	
Hexachlorocyclopentadiene	77-47-4	ug/L	10/5/2015	<20.8		<20	<21.1	<21.1	<20.2				<21.5	<21.3	<21.1	<20.6			<22.2	<20.2					
Hexachlorocyclopentadiene	77-47-4	ug/L	4/4/2016									<20					<20	<20							
Hexachlorocyclopentadiene	77-47-4	ug/L	5/1/2018																		<10.4	<10.3			
Hexachlorocyclopentadiene	77-47-4	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Hexachlorocyclopentadiene	77-47-4	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Hexachlorocyclopentadiene	77-47-4	ug/L	6/24/2020		<10.4																				
Hexachlorocyclopentadiene	77-47-4	ug/L	10/20/2021		<8							<8					<8	<8							
Hexachlorocyclopentadiene	77-47-4	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Hexachlorocyclopentadiene	77-47-4	ug/L	4/23/2025	<10.4										<10.4					<10.4						

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Hexachlorocyclopentadiene	77-47-4	ug/L	4/24/2025													<10.4									
Hexachlorocyclopentadiene	77-47-4	ug/L	5/5/2025						<10.2																
Hexachlorocyclopentadiene	77-47-4	ug/L	5/6/2025										<10.4		<10.6										
Hexachlorocyclopentadiene	77-47-4	ug/L	5/7/2025				<10.2													<10.6					
Hexachlorocyclopentadiene	77-47-4	ug/L	5/8/2025			<9.80		<10.6																	
Hexachloroethane	67-72-1	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Hexachloroethane	67-72-1	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Hexachloroethane	67-72-1	ug/L	4/4/2011									<10					<10	<10							
Hexachloroethane	67-72-1	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Hexachloroethane	67-72-1	ug/L	6/2/2014																					<10.1	
Hexachloroethane	67-72-1	ug/L	10/15/2014																					<10	
Hexachloroethane	67-72-1	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Hexachloroethane	67-72-1	ug/L	4/4/2016									<10					<10	<10							
Hexachloroethane	67-72-1	ug/L	5/1/2018																		<10.4	<10.3			
Hexachloroethane	67-72-1	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Hexachloroethane	67-72-1	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Hexachloroethane	67-72-1	ug/L	6/24/2020		<10.4																				
Hexachloroethane	67-72-1	ug/L	10/20/2021		<8							<8					<8	<8							
Hexachloroethane	67-72-1	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Hexachloroethane	67-72-1	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Hexachloroethane	67-72-1	ug/L	4/24/2025													<10.4									
Hexachloroethane	67-72-1	ug/L	5/5/2025						<10.2																
Hexachloroethane	67-72-1	ug/L	5/6/2025										<10.4		<10.6										
Hexachloroethane	67-72-1	ug/L	5/7/2025				<10.2													<10.6					
Hexachloroethane	67-72-1	ug/L	5/8/2025			<9.80		<10.6																	
Hexachloropropene	1888-71-7	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Hexachloropropene	1888-71-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Hexachloropropene	1888-71-7	ug/L	4/4/2011									<10					<10	<10							
Hexachloropropene	1888-71-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Hexachloropropene	1888-71-7	ug/L	6/2/2014																					<10.1	
Hexachloropropene	1888-71-7	ug/L	10/15/2014																					<10	
Hexachloropropene	1888-71-7	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Hexachloropropene	1888-71-7	ug/L	4/4/2016									<10					<10	<10							
Hexachloropropene	1888-71-7	ug/L	5/1/2018																		<10.4	<10.3			
Hexachloropropene	1888-71-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Hexachloropropene	1888-71-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Hexachloropropene	1888-71-7	ug/L	6/24/2020		<10.4																				
Hexachloropropene	1888-71-7	ug/L	10/20/2021		<8							<8					<8	<8							
Hexachloropropene	1888-71-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Hexachloropropene	1888-71-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Hexachloropropene	1888-71-7	ug/L	4/24/2025													<10.4									
Hexachloropropene	1888-71-7	ug/L	5/5/2025						<10.2																
Hexachloropropene	1888-71-7	ug/L	5/6/2025										<10.4		<10.6										
Hexachloropropene	1888-71-7	ug/L	5/7/2025				<10.2													<10.6					
Hexachloropropene	1888-71-7	ug/L	5/8/2025			<9.80		<10.6																	
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	4/4/2011									<10					<10	<10							
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	6/2/2014																					<10.1	
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	10/15/2014																					<10	
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	4/4/2016									<10					<10	<10							
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	5/1/2018																		<10.4	<10.3			
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	6/24/2020		<10.4																				
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	10/20/2021		<8							<8					<8	<8							
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	4/24/2025													<10.4									
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	5/5/2025						<10.2																
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	5/6/2025										<10.4		<10.6										
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	5/7/2025				<10.2													<10.6					
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	5/8/2025			<9.80		<10.6																	
Iodomethane	74-88-4	ug/L	2/27/2008	<10		<10	<10	<10	<10	<10															
Iodomethane	74-88-4	ug/L	5/12/2008	<10		<10	<10	<10	<10	<10															
Iodomethane	74-88-4	ug/L	7/13/2008	<10		<10	<10	<10	<10	<10															
Iodomethane	74-88-4	ug/L	9/14/2008	<10		<10	<10	<10	<10	<10															
Iodomethane	74-88-4	ug/L	11/17/2008	<10		<10	<10	<10	<10	<10															
Iodomethane	74-88-4	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Iodomethane	74-88-4	ug/L	7/7/2009										<10	<20	<20	<20			<20	<20					
Iodomethane	74-88-4	ug/L	9/2/2009										<10	<10	<10	<10			<10	<10					
Iodomethane	74-88-4	ug/L	10/25/2009	<10		<50	<10	<10	<20	<50			<10	<10	<10	<20			<20	<20					
Iodomethane	74-88-4	ug/L	1/2/2010										<20	<10	<20	<10			<20	<20					
Iodomethane	74-88-4	ug/L	3/3/2010									<10	<10	<10	<10	<10	<10	<10	<10	<10					
Iodomethane	74-88-4	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
Iodomethane	74-88-4	ug/L	7/8/2010									<10					<10	<10							
Iodomethane	74-88-4	ug/L	9/13/2010									<20					<20	<20							
Iodomethane	74-88-4	ug/L	11/1/2010	<10		<10		<10	<10	<10			<10	<10	<10	<10									
Iodomethane	74-88-4	ug/L	1/10/2011									<10					<10	<10							
Iodomethane	74-88-4	ug/L	4/4/2011									<10					<10	<50							
Iodomethane	74-88-4	ug/L	10/13/2011	<10		<10		<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10						
Iodomethane	74-88-4	ug/L	12/5/2011				<20													<20					
Iodomethane	74-88-4	ug/L	4/11/2012	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
Iodomethane	74-88-4	ug/L	6/25/2012					<10		<10															
Iodomethane	74-88-4	ug/L	8/1/2012							<10	<10										<10	<10	<10	<10	<10

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Iodomethane	74-88-4	ug/L	10/11/2012	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	12/13/2012								<10										<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	2/4/2013								<10										<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	3/30/2013	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	7/10/2013																		<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/7/2013	<10		<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	6/2/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/15/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/6/2015	<10		9.07J; <10	<10	<10	<10	<10	<10	<10	<10	9.04J	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/5/2015	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/4/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/17/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/17/2017	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/11/2017	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/20/2018											<10					<10	<10					
Iodomethane	74-88-4	ug/L	4/23/2018	<10								<10	<10		<10	<10	<10								
Iodomethane	74-88-4	ug/L	4/25/2018						<10																
Iodomethane	74-88-4	ug/L	4/30/2018			<10	<10	<10										<10							
Iodomethane	74-88-4	ug/L	5/1/2018								<10										<10	<10			
Iodomethane	74-88-4	ug/L	5/2/2018																				<10	<10	<10
Iodomethane	74-88-4	ug/L	10/16/2018	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/16/2019	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	6/24/2020		<10																				
Iodomethane	74-88-4	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	1/21/2021		<1																				
Iodomethane	74-88-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane	74-88-4	ug/L	10/20/2021		<2			<1	<1			<2	<1				<2	<2			<1	<1	<1	<1	<1
Iodomethane	74-88-4	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Iodomethane	74-88-4	ug/L	10/14/2022					<1	<1												<1	<1	<1	<1	<1
Iodomethane	74-88-4	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/16/2023		<10			<10	<10			<10	<10								<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/29/2024		<10			<10	<10	<10	<10	<10	<10								<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/9/2024		<10.0								<10.0												
Iodomethane	74-88-4	ug/L	10/10/2024						<10.0			<10.0													
Iodomethane	74-88-4	ug/L	10/14/2024																		<10.0	<10.0		<10.0	
Iodomethane	74-88-4	ug/L	10/15/2024																				<10.0		<10.0
Iodomethane	74-88-4	ug/L	4/23/2025	<10.0										<10.0					<10.0						
Iodomethane	74-88-4	ug/L	4/24/2025													<10.0									
Iodomethane	74-88-4	ug/L	4/30/2025		<10.0							<10.0													
Iodomethane	74-88-4	ug/L	5/5/2025						<10.0																
Iodomethane	74-88-4	ug/L	5/6/2025										<10.0		<10.0										
Iodomethane	74-88-4	ug/L	5/7/2025				<10.0													<10.0	<10.0	<10.0	<10.0		
Iodomethane	74-88-4	ug/L	5/8/2025			<10.0		<10.0																	
Iodomethane	74-88-4	ug/L	5/9/2025							<10.0	<10.0													<10.0	<10.0
Iron, Total	7439-89-6	mg/L	4/6/2015	<0.1		<0.1	6.29	<0.1	<0.1	0.119	0.231	<0.1	<0.1	<0.1	0.109	6.02	29.9	0.283	2.15	4.37	0.936	<0.1	<0.1	<0.1	<0.1
Iron, Total	7439-89-6	mg/L	10/5/2015	<0.1		<0.1	10.6	<0.1	0.439	8.22	<0.1	<0.1	0.26	0.0862J	0.115	13.2	30.9	0.831	3.23	3.18	0.308	<0.1	<0.1	<0.1	<0.1
Iron, Total	7439-89-6	mg/L	4/4/2016	<0.1		<0.1	14.3	<0.1	<0.1	0.0744J	0.0763J	<0.1	0.488	0.134	<0.1	3.64	27.9	2.97	0.775	0.581	0.136	<0.1	<0.1	<0.1	<0.1
Iron, Total	7439-89-6	mg/L	10/17/2016	<0.1		0.146	10.3	<0.1	0.142	0.655	0.085J	0.257	0.815	<0.1	<0.1	9.61	27	4.47	0.143	<0.1	0.135	<0.1	<0.1	<0.1	<0.1
Isobutanol	78-83-1	mg/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Isobutanol	78-83-1	mg/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Isobutanol	78-83-1	mg/L	4/4/2011									<10					<10	<10							
Isobutanol	78-83-1	mg/L	7/10/2013																		<10	<10	<10	<10	<10
Isobutanol	78-83-1	mg/L	10/5/2015	<10		<10	<10	<10	<10				<10	<10	<10	<10			<10	<10					
Isobutanol	78-83-1	mg/L	4/4/2016									<10					<10	<10							
Isobutanol	78-83-1	mg/L	5/1/2018																		<10	<10			
Isobutanol	78-83-1	mg/L	5/2/2018																				<10	<10	<10
Isobutanol	78-83-1	mg/L	3/30/2020	<10		<10	<10	<10	<10				<10	<10	<10	<10			<10	<10					
Isobutanol	78-83-1	mg/L	6/24/2020		<10																				
Isobutanol	78-83-1	mg/L	10/20/2021		<1							<1					<1	<1							
Isobutanol	78-83-1	mg/L	5/1/2023																		<10	<10	<10	<10	<10
Isobutanol	78-83-1	mg/L	4/23/2025	<10.0										<10.0					<10.0						
Isobutanol	78-83-1	mg/L	4/24/2025													<10.0									
Isobutanol	78-83-1	mg/L	5/5/2025						<10.0																
Isobutanol	78-83-1	mg/L	5/6/2025										<10.0		<10.0										
Isobutanol	78-83-1	mg/L	5/7/2025				<10.0													<10.0					
Isobutanol	78-83-1	mg/L	5/8/2025			<10.0		<10.0																	
Isodrin	465-73-6	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Isodrin	465-73-6	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Isodrin	465-73-6	ug/L	4/4/2011									<10					<10	<10							
Isodrin	465-73-6	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Isodrin	465-73-6	ug/L	6/2/2014																					<10.1	
Isodrin	465-73-6	ug/L	10/15/2014																					<10	
Isodrin	465-73-6	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Isodrin	465-73-6	ug/L	4/4/2016									<10					<10	<10							
Isodrin	465-73-6	ug/L	5/1/2018																		<10.4	<10.3			
Isodrin	465-73-6	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Isodrin	465-73-6	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Isodrin	465-73-6	ug/L	6/24/2020		<10.4																				
Isodrin	465-73-6	ug/L	10/20/2021		<8							<8					<8	<8							
Isodrin	465-73-6	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Isodrin	465-73-6	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Isodrin	465-73-6	ug/L	4/24/2025													<10.4									
Isodrin	465-73-6	ug/L	5/5/2025						<10.2																
Isodrin	465-73-6	ug/L	5/6/2025										<10.4		<10.6										
Isodrin	465-73-6	ug/L	5/7/2025				<10.2													<10.6					

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Isodrin	465-73-6	ug/L	5/8/2025			<9.80		<10.6																	
Isophorone	78-59-1	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Isophorone	78-59-1	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Isophorone	78-59-1	ug/L	4/4/2011									<10					<10	<10							
Isophorone	78-59-1	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Isophorone	78-59-1	ug/L	6/2/2014																					<10.1	
Isophorone	78-59-1	ug/L	10/15/2014																					<10	
Isophorone	78-59-1	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Isophorone	78-59-1	ug/L	4/4/2016									<10					<10	<10							
Isophorone	78-59-1	ug/L	5/1/2018																		<10.4	<10.3			
Isophorone	78-59-1	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Isophorone	78-59-1	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Isophorone	78-59-1	ug/L	6/24/2020		<10.4																				
Isophorone	78-59-1	ug/L	10/20/2021		<8							<8					<8	<8							
Isophorone	78-59-1	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Isophorone	78-59-1	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Isophorone	78-59-1	ug/L	4/24/2025													<10.4									
Isophorone	78-59-1	ug/L	5/5/2025						<10.2																
Isophorone	78-59-1	ug/L	5/6/2025										<10.4		<10.6										
Isophorone	78-59-1	ug/L	5/7/2025				<10.2													<10.6					
Isophorone	78-59-1	ug/L	5/8/2025			<9.80		<10.6																	
Isosafrole	120-58-1	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Isosafrole	120-58-1	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Isosafrole	120-58-1	ug/L	4/4/2011									<10					<10	<10							
Isosafrole	120-58-1	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Isosafrole	120-58-1	ug/L	6/2/2014																					<10.1	
Isosafrole	120-58-1	ug/L	10/15/2014																					<10	
Isosafrole	120-58-1	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Isosafrole	120-58-1	ug/L	4/4/2016									<10					<10	<10							
Isosafrole	120-58-1	ug/L	5/1/2018																		<10.4	<10.3			
Isosafrole	120-58-1	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Isosafrole	120-58-1	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Isosafrole	120-58-1	ug/L	6/24/2020		<10.4																				
Isosafrole	120-58-1	ug/L	10/20/2021		<8							<8					<8	<8							
Isosafrole	120-58-1	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Isosafrole	120-58-1	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Isosafrole	120-58-1	ug/L	4/24/2025													<10.4									
Isosafrole	120-58-1	ug/L	5/5/2025						<10.2																
Isosafrole	120-58-1	ug/L	5/6/2025										<10.4		<10.6										
Isosafrole	120-58-1	ug/L	5/7/2025				<10.2													<10.6					
Isosafrole	120-58-1	ug/L	5/8/2025			<9.80		<10.6																	
Kepone	143-50-0	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Kepone	143-50-0	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Kepone	143-50-0	ug/L	4/4/2011									<10					<10	<10							
Kepone	143-50-0	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Kepone	143-50-0	ug/L	6/2/2014																					<10.1	
Kepone	143-50-0	ug/L	10/15/2014																					<10	
Kepone	143-50-0	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Kepone	143-50-0	ug/L	4/4/2016									<10					<10	<10							
Kepone	143-50-0	ug/L	5/1/2018																		<10.4	<10.3			
Kepone	143-50-0	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Kepone	143-50-0	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Kepone	143-50-0	ug/L	6/24/2020		<10.4																				
Kepone	143-50-0	ug/L	10/20/2021		<8							<8					<8	<8							
Kepone	143-50-0	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Kepone	143-50-0	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Kepone	143-50-0	ug/L	4/24/2025													<10.4									
Kepone	143-50-0	ug/L	5/5/2025						<10.2																
Kepone	143-50-0	ug/L	5/6/2025										<10.4		<10.6										
Kepone	143-50-0	ug/L	5/7/2025				<10.2													<10.6					
Kepone	143-50-0	ug/L	5/8/2025			<9.80		<10.6																	
Lead	7439-92-1	mg/L	2/27/2008	0.006		<0.005	0.008	0.006	0.005	<0.005															
Lead	7439-92-1	mg/L	5/12/2008	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005															
Lead	7439-92-1	mg/L	7/13/2008	0.005		0.005	<0.005	<0.005	<0.005	<0.005															
Lead	7439-92-1	mg/L	9/14/2008	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005															
Lead	7439-92-1	mg/L	11/17/2008	<0.004		<0.004	<0.004	<0.004	<0.004	0.00509															
Lead	7439-92-1	mg/L	4/14/2009	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005															
Lead	7439-92-1	mg/L	7/7/2009							<0.005			0.023	<0.005	<0.005	<0.005			<0.005	<0.005					
Lead	7439-92-1	mg/L	9/2/2009							<0.005			0.021	0.011	<0.005	<0.004; <0.005			<0.004; <0.005	<0.005					
Lead	7439-92-1	mg/L	10/25/2009	<0.005		0.0063	<0.005	<0.005	<0.005	<0.005			0.045	<0.005	0.012	<0.005			<0.005	<0.005					
Lead	7439-92-1	mg/L	1/2/2010							<0.005			0.18	<0.005	<0.005	<0.005			<0.005	<0.005					
Lead	7439-92-1	mg/L	3/3/2010									0.31	0.052	<0.005	0.006	<0.005	0.017; 0.016	<0.005	<0.005	<0.005					
Lead	7439-92-1	mg/L	5/10/2010	<0.002		0.038	<0.002	<0.002	<0.002	0.0022		0.023	0.0063	<0.002	<0.002	<0.002	0.0036	0.0034	0.013	<0.002					
Lead	7439-92-1	mg/L	7/8/2010							<0.005		<0.005	0.015				<0.005	0.01; 0.0057	<0.005						
Lead	7439-92-1	mg/L	9/13/2010							<0.005		0.018	0.01				0.01	0.015	<0.005						
Lead	7439-92-1	mg/L	11/1/2010										0.053	<0.005	<0.005	<0.005									
Lead	7439-92-1	mg/L	1/10/2011							<0.004		<0.004	0.0106				<0.004	0.00484							
Lead	7439-92-1	mg/L	4/4/2011									<0.004	0.032	<0.005	<0.005	<0.005	<0.004	0.00587	0.014						
Lead	7439-92-1	mg/L	7/8/2011							<0.005		<0.005					<0.005	0.0084							
Lead	7439-92-1	mg/L	8/11/2011							<0.005		0.0054					<0.005	0.01; 0.0091							
Lead	7439-92-1	mg/L	10/13/2011	<0.004		<0.004		<0.004	<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.00906	0.0053						
Lead	7439-92-1	mg/L	12/5/2011				<0.004			<0.004		<0.004					<0.004	0.00948		<0.004					
Lead	7439-92-1	mg/L	2/6/2012							<0.004															
Lead	7439-92-1	mg/L	4/11/2012	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004		<0.004	0.00832	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004					
Lead	7439-92-1	mg/L	6/25/2012					<0.004		<0.004															
Lead	7439-92-1	mg/L	8/1/2012							<0.004	<0.004										0.0128	<0.004	<0.004	0.00503	0.0051
Lead	7439-92-1	mg/L	10/11/2012	<0.004		<0.004	0.00539	<0.004	<0.004		<0.004	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.0175	<0.004	0.00707	0.0115	0.0111

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Lead	7439-92-1	mg/L	12/13/2012								<0.004										0.0126	0.0129	<0.004	<0.004	0.0197
Lead	7439-92-1	mg/L	2/4/2013								0.00443										0.00977	0.00467	<0.004	<0.004	0.00875
Lead	7439-92-1	mg/L	3/30/2013	<0.004		<0.004	<0.004	<0.004	<0.004		<0.004	<0.004		<0.004	0.00455	<0.004	<0.004	<0.004	<0.004	<0.004	0.00673	<0.004	<0.004	0.00426	0.00476
Lead	7439-92-1	mg/L	7/10/2013																		0.02	<0.004	<0.004	<0.004	0.0128
Lead	7439-92-1	mg/L	10/7/2013	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004	0.00626	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.00982	0.0432	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	6/2/2014	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.00201J	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	10/15/2014	<0.004		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	4/6/2015	<0.0005		<0.0005	0.000517	<0.0005	<0.0005	<0.0005	0.00489J	<0.0005	<0.0005	<0.0005	0.000111J	0.00011J	<0.0005	0.000138J	0.00361	0.000429J	0.000244J	<0.0005	0.000104J	<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/5/2015	<0.0005		0.000268J	<0.0005	<0.0005	<0.0005	0.000198J	<0.0005	<0.0005	0.000485J	<0.0005	<0.0005	0.000115J	<0.0005	<0.0005	0.00209	0.000424J	0.00015J	0.000118J; 0.000115J	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	4/4/2016	<0.0005		<0.0005	<0.0005; 0.000289J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000777	0.000682	<0.0005	<0.0005	0.000213J	<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/17/2016	<0.0005		0.000489J	<0.0005	<0.0005	<0.0005	<0.0005	0.000229J	0.000266J	<0.0005	<0.0005	<0.0005	<0.0005	0.000225J	<0.0005	<0.0005	<0.0005	0.000236J	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	4/17/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000791	<0.0005	0.000621	0.00973	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/11/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000543	<0.0005	<0.0005	<0.0005	0.00197	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	4/20/2018											<0.0005					<0.0005	0.000597					
Lead	7439-92-1	mg/L	4/23/2018	<0.0005								<0.0005	0.000786		<0.0005	0.000503	<0.0005								
Lead	7439-92-1	mg/L	4/25/2018						<0.0005		<0.0005														
Lead	7439-92-1	mg/L	4/30/2018			<0.0005	<0.0005	<0.0005										<0.0005							
Lead	7439-92-1	mg/L	5/1/2018																		<0.0005	<0.0005			
Lead	7439-92-1	mg/L	5/2/2018																				<0.0005	<0.0005	0.000756
Lead	7439-92-1	mg/L	10/16/2018	<0.0005		0.000293J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000491J	0.000365J	0.000303J	<0.0005	0.000634	0.000271J	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	4/16/2019	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000339J	<0.0005	0.000638	<0.0005	0.000728	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/1/2019	<0.0005	0.00033J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00111	<0.0005	<0.0005	<0.0005	<0.0005	0.000289J	0.00064	0.0004J	<0.0005	0.00272	0.000376J	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	3/30/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00144	<0.0005	<0.0005	<0.0005	0.000468J	0.000286J	<0.0005	0.00133	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	6/24/2020		0.00016J																				
Lead	7439-92-1	mg/L	10/7/2020	<0.0005	<0.0005	0.000259J; 0.000126J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000444J	0.000135J	<0.0005	0.000344J	<0.0005	0.000151J	0.000201J	0.00156	0.000338J	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	1/21/2021		<0.004																				
Lead	7439-92-1	mg/L	4/13/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.001J	<0.004	<0.004	0.0012J	<0.004	<0.004	<0.004	0.0009J	<0.004
Lead	7439-92-1	mg/L	10/20/2021		<0.004			<0.004	<0.004			<0.004	<0.004				<0.004	<0.004			<0.004	<0.004	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	5/2/2022	<0.004	<0.004	<0.004	0.0011J	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.0012J	0.0021J	0.0006J	0.0024J	<0.004	0.0074	0.0019J	<0.004	<0.004	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	10/14/2022		<0.004		<0.004	<0.004	<0.004			<0.004	0.0069								<0.004	<0.004	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	5/1/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000457J	0.00045J	0.000673	<0.0005	0.000386J	<0.0005	0.000298J	0.00714	0.00165	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/16/2023		<0.0005		0.000838	<0.0005	<0.0005			<0.0005	<0.0005								<0.0005	0.000332J; 0.000271J	0.000279J	<0.0005	<0.0005
Lead	7439-92-1	mg/L	4/29/2024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000489J	0.000461J	<0.0005	0.000957	0.00089	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/9/2024		<0.000500								<0.000500												
Lead	7439-92-1	mg/L	10/10/2024						<0.000500			<0.000500													
Lead	7439-92-1	mg/L	10/14/2024																		<0.000500	<0.000500		<0.000500	
Lead	7439-92-1	mg/L	10/15/2024				<0.000500																<0.000500		<0.000500
Lead	7439-92-1	mg/L	4/23/2025	<0.000500										<0.000500					<0.000500						
Lead	7439-92-1	mg/L	4/24/2025													<0.000500	<0.000500								
Lead	7439-92-1	mg/L	4/30/2025		<0.000500							<0.000500													
Lead	7439-92-1	mg/L	5/5/2025						<0.000500																
Lead	7439-92-1	mg/L	5/6/2025										<0.000500		<0.000500										
Lead	7439-92-1	mg/L	5/7/2025				<0.000500													0.000643	<0.000500	<0.000500	<0.000500		
Lead	7439-92-1	mg/L	5/8/2025			<0.000500		<0.000500																	
Lead	7439-92-1	mg/L	5/9/2025							<0.000500	<0.000500							<0.000500						<0.000500	<0.000500
M&P-Xylene	179601-23-1	ug/L	7/10/2013																		<2	<2	<2	<2	<2
Magnesium	7439-95-4	mg/L	6/2/2014	47.6		34.4	57.2	36.2	19.8	36.4	38.2	58.1	60	29.1	43	52.2	70.7	42.4	43.7	58	56.5	13.7	34.8	33.5	36.4
Magnesium	7439-95-4	mg/L	10/15/2014	47.4		33.5	73.1	33.1	19.3	34.9	37.5	61.9	53.2	27.1	52.5	46.3	51.7	47.8	40.9	45.5	55.9	13.6	35.7	31.7	30.4
Manganese	7439-96-5	mg/L	4/6/2015	<0.01		0.0092J	6.39	<0.01	0.02	0.039	0.0259	<0.01	0.00593J	<0.01	<0.01	0.167	3.97	5.24	0.301	0.52	0.0744	<0.01	0.00891J	0.0882	0.215
Manganese	7439-96-5	mg/L	10/5/2015	<0.01		0.00656J	6.21	<0.01	0.772	1.54	<0.01	<0.01	0.41	<0.01	0.00689J	0.286	4.85	5.63	0.123	0.508	0.295	<0.01	0.0536	0.0288	0.0248
Manganese	7439-96-5	mg/L	4/4/2016	<0.01		<0.01	12.8	<0.01	<0.01	0.0107	<0.01	<0.01	0.504	<0.01	0.0607	0.227	3.67	5.52	0.0308	0.0615	0.076	<0.01	0.00619J	0.0798	0.0924
Manganese	7439-96-5	mg/L	10/17/2016	<0.01		0.158	6.33	<0.01	0.225	0.323	0.00707J	0.00891J	0.568	<0.01	0.0309	0.132	3.71	3.35	0.00481J	0.055	0.019	<0.01	<0.01	0.0738	0.0257
Mercury	7439-97-6	mg/L	4/14/2009	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002															
Mercury	7439-97-6	mg/L	5/10/2010	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002					
Mercury	7439-97-6	mg/L	4/4/2011									<0.0002					<0.0002	<0.0002							
Mercury	7439-97-6	mg/L	7/10/2013																		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mercury	7439-97-6	mg/L	10/5/2015	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	0.000196J					
Mercury	7439-97-6	mg/L	4/4/2016									<0.0002					<0.0002	<0.0002							
Mercury	7439-97-6	mg/L	5/1/2018																		<0.0002	<0.0002			
Mercury	7439-97-6	mg/L	5/2/2018																				<0.0002	<0.0002	<0.0002
Mercury	7439-97-6	mg/L	3/30/2020	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002					
Mercury	7439-97-6	mg/L	6/24/2020		<0.0002																				
Mercury	7439-97-6	mg/L	10/20/2021		<0.0005							<0.0005					<0.0005	<0.0005							
Mercury	7439-97-6	mg/L	5/1/2023																		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mercury	7439-97-6	mg/L	4/23/2025	<0.000200										<0.000200					<0.000200						
Mercury	7439-97-6	mg/L	4/24/2025													<0.000200									
Mercury	7439-97-6	mg/L	5/5/2025						<0.000200																
Mercury	7439-97-6	mg/L	5/6/2025										<0.000200		<0.000200										
Mercury	7439-97-6	mg/L	5/7/2025				<0.000200													<0.000200					
Mercury	7439-97-6	mg/L	5/8/2025			<0.000200		<0.000200																	
Methacrylonitrile	126-98-7	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
Methacrylonitrile	126-98-7	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1			<1	<1	<1	<1			<1	<1					
Methacrylonitrile	126-98-7	ug/L	4/4/2011									<1					<1	<2							
Methacrylonitrile	126-98-7	ug/L	10/11/2012								<1														
Methacrylonitrile	126-98-7	ug/L	7/10/2013																		<1	<1	<1	<1	<1
Methacrylonitrile	126-98-7	ug/L	10/5/2015	<10		<10	<10	<10	<10				<10	<10	<10	<10			<10	<10					
Methacrylonitrile	126-98-7	ug/L	4/4/2016									<10					<10	<10							
Methacrylonitrile	126-98-7	ug/L	5/1/2018																		<10	<10			
Methacrylonitrile	126-98-7	ug/L	5/2/2018																				<10	<10	<10
Methacrylonitrile	126-98-7	ug/L	3/30/2020	<10		<10	<10	<10	<10				<10	<10	<10	<10			<10	<10					
Methacrylonitrile	126-98-7	ug/L	6/24/2020		<10																				
Methacrylonitrile	126-98-7	ug/L	10/20/2021		<1							<1					<1	<1							
Methacrylonitrile	126-98-7	ug/L	5/1/2023																		<10	<10	<10	<10	<10
Methacrylonitrile	126-98-7	ug/L	4/23/2025	<10.0										<10.0					<10.0						
Methacrylonitrile	126-98-7	ug/L	4/24/2025													<10.0									
Methacrylonitrile	126-98-7	ug/L	5/5/2025						<10.0																
Methacrylonitrile	126-98-7	ug/L	5/6/2025										<10.0		<10.0										

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Methacrylonitrile	126-98-7	ug/L	5/7/2025				<10.0													<10.0					
Methacrylonitrile	126-98-7	ug/L	5/8/2025			<10.0		<10.0																	
Methane, Dissolved	74-82-8	mg/L	4/6/2015	<0.005		0.0162	0.794	<0.005	0.00357J	0.0107	<0.005	0.00314J	<0.005	<0.005	0.0136	4.77	43.5	0.0257	<0.005	0.547	0.00296J	<0.005	0.00701	<0.005	0.00512
Methane, Dissolved	74-82-8	mg/L	10/5/2015	0.0119		0.00745	1.19	0.000787	0.00274	0.233	<0.00058	0.00124	0.00308	<0.00058	0.0777	8.85	7.78	0.0359	0.00302	0.0609	<0.00058	<0.00058	0.00345	<0.00058	0.004
Methane, Dissolved	74-82-8	mg/L	4/4/2016	0.00265		0.00298	2.76	<0.00058	0.0062	0.00219	0.000306J	0.0027	7.95	0.0003J	0.0996	0.571	8.94	0.122	0.00306	0.00615	0.000723	<0.00058	<0.00058	0.000337J	0.000723
Methane, Dissolved	74-82-8	mg/L	10/17/2016	0.00457		0.0591	1.07	0.000317J	0.00434	0.0274	<0.00058	0.0117	0.000765	<0.00058	0.0167	3.88	8.74	0.015	0.000343J	0.0167	<0.00058	<0.00058	<0.00058	0.000342J	0.000348J
Methapyrilene	91-80-5	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Methapyrilene	91-80-5	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Methapyrilene	91-80-5	ug/L	4/4/2011									<10					<10	<10							
Methapyrilene	91-80-5	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Methapyrilene	91-80-5	ug/L	6/2/2014																					0.382J	
Methapyrilene	91-80-5	ug/L	10/15/2014																					<10	
Methapyrilene	91-80-5	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Methapyrilene	91-80-5	ug/L	4/4/2016									<10					<10	0.695J							
Methapyrilene	91-80-5	ug/L	5/1/2018																		<10.4	<10.3			
Methapyrilene	91-80-5	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Methapyrilene	91-80-5	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Methapyrilene	91-80-5	ug/L	6/24/2020		<10.4																				
Methapyrilene	91-80-5	ug/L	10/20/2021		<8							<8					<8	<8							
Methapyrilene	91-80-5	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Methapyrilene	91-80-5	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Methapyrilene	91-80-5	ug/L	4/24/2025													<10.4									
Methapyrilene	91-80-5	ug/L	5/5/2025						<10.2																
Methapyrilene	91-80-5	ug/L	5/6/2025										<10.4		<10.6										
Methapyrilene	91-80-5	ug/L	5/7/2025				<10.2													<10.6					
Methapyrilene	91-80-5	ug/L	5/8/2025			<9.80		<10.6																	
Methoxychlor	72-43-5	ug/L	4/14/2009	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032															
Methoxychlor	72-43-5	ug/L	10/25/2009							<0.032															
Methoxychlor	72-43-5	ug/L	5/10/2010	<0.032		<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	<0.032	<0.032	<0.032			<0.032	<0.032					
Methoxychlor	72-43-5	ug/L	4/4/2011									<0.032					<0.032	<0.032							
Methoxychlor	72-43-5	ug/L	10/11/2012								<0.032														
Methoxychlor	72-43-5	ug/L	7/10/2013																		<0.0327	<0.0323	<0.0323	<0.0348	<0.0348
Methoxychlor	72-43-5	ug/L	10/5/2015	<0.0327		<0.0337	<0.032	<0.0327	<0.0323				<0.0333	<0.0323	<0.032	<0.033			<0.0348	<0.0323					
Methoxychlor	72-43-5	ug/L	4/4/2016									<0.032					<0.032	<0.032							
Methoxychlor	72-43-5	ug/L	5/1/2018																		<0.0333	<0.0323			
Methoxychlor	72-43-5	ug/L	5/2/2018																				<0.0337	<0.0337	<0.0333
Methoxychlor	72-43-5	ug/L	3/30/2020	<0.0333		<0.0337	<0.0333	<0.0344	<0.0337				<0.0337	<0.0333	<0.0333	<0.0333			<0.033	<0.033					
Methoxychlor	72-43-5	ug/L	6/24/2020		<0.0337																				
Methoxychlor	72-43-5	ug/L	10/20/2021		<0.05							<0.05					<0.05	<0.05							
Methoxychlor	72-43-5	ug/L	5/1/2023																		<0.064	<0.0744	<0.0711	<0.064	<0.064
Methoxychlor	72-43-5	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
Methoxychlor	72-43-5	ug/L	4/24/2025													<0.0921									
Methoxychlor	72-43-5	ug/L	5/5/2025						<0.0895																
Methoxychlor	72-43-5	ug/L	5/6/2025										<0.0907		<0.0902										
Methoxychlor	72-43-5	ug/L	5/7/2025				<0.0907													<0.0904					
Methoxychlor	72-43-5	ug/L	5/8/2025			<0.0882		<0.0904																	
Methyl Methacrylate	80-62-6	ug/L	4/14/2009	<2		<2	<2	<2	<2	<2															
Methyl Methacrylate	80-62-6	ug/L	5/10/2010	<5		<5	<5	<5	<5	<5			<5	<5	<5	<5			<5	<5					
Methyl Methacrylate	80-62-6	ug/L	4/4/2011									<2					<2	<10							
Methyl Methacrylate	80-62-6	ug/L	10/11/2012								<2														
Methyl Methacrylate	80-62-6	ug/L	7/10/2013																		<2	<2	<2	<2	<2
Methyl Methacrylate	80-62-6	ug/L	10/5/2015	<2		<2	<2	<2	<2				<2	<2	<2	<2			<2	<2					
Methyl Methacrylate	80-62-6	ug/L	4/4/2016									<2					<2	<2							
Methyl Methacrylate	80-62-6	ug/L	5/1/2018																		<2	<2			
Methyl Methacrylate	80-62-6	ug/L	5/2/2018																				<2	<2	<2
Methyl Methacrylate	80-62-6	ug/L	3/30/2020	<2		<2	<2	<2	<2				<2	<2	<2	<2			<2	<2					
Methyl Methacrylate	80-62-6	ug/L	6/24/2020		<2																				
Methyl Methacrylate	80-62-6	ug/L	10/20/2021		<1							<1					<1	<1							
Methyl Methacrylate	80-62-6	ug/L	5/1/2023																		<2	<2	<2	<2	<2
Methyl Methanesulfonate	66-27-3	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Methyl Methanesulfonate	66-27-3	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Methyl Methanesulfonate	66-27-3	ug/L	4/4/2011									<10					<10	<10							
Methyl Methanesulfonate	66-27-3	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Methyl Methanesulfonate	66-27-3	ug/L	6/2/2014																					<10.1	
Methyl Methanesulfonate	66-27-3	ug/L	10/15/2014																					<10	
Methyl Methanesulfonate	66-27-3	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Methyl Methanesulfonate	66-27-3	ug/L	4/4/2016									<10					<10	<10							
Methyl Methanesulfonate	66-27-3	ug/L	5/1/2018																		<10.4	<10.3			
Methyl Methanesulfonate	66-27-3	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Methyl Methanesulfonate	66-27-3	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Methyl Methanesulfonate	66-27-3	ug/L	6/24/2020		<10.4																				
Methyl Methanesulfonate	66-27-3	ug/L	10/20/2021		<8							<8					<8	<8							
Methyl Methanesulfonate	66-27-3	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Methyl methacrylate	80-62-6	ug/L	4/23/2025	<2.00										<2.00					<2.00						
Methyl methacrylate	80-62-6	ug/L	4/24/2025													<2.00									
Methyl methacrylate	80-62-6	ug/L	5/5/2025						<2.00																
Methyl methacrylate	80-62-6	ug/L	5/6/2025										<2.00		<2.00										
Methyl methacrylate	80-62-6	ug/L	5/7/2025				<2.00													<2.00					
Methyl methacrylate	80-62-6	ug/L	5/8/2025			<2.00		<2.00																	
Methyl methanesulfonate	66-27-3	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Methyl methanesulfonate	66-27-3	ug/L	4/24/2025													<10.4									
Methyl methanesulfonate	66-27-3	ug/L	5/5/2025						<10.2																
Methyl methanesulfonate	66-27-3	ug/L	5/6/2025										<10.4		<10.6										
Methyl methanesulfonate	66-27-3	ug/L	5/7/2025				<10.2													<10.6					
Methyl methanesulfonate	66-27-3	ug/L	5/8/2025			<9.80		<10.6																	
Methyl parathion	298-00-0	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Methyl parathion	298-00-0	ug/L	4/24/2025													<10.4									

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Methyl parathion	298-00-0	ug/L	5/5/2025						<10.2																
Methyl parathion	298-00-0	ug/L	5/6/2025										<10.4		<10.6										
Methyl parathion	298-00-0	ug/L	5/7/2025				<10.2													<10.6					
Methyl parathion	298-00-0	ug/L	5/8/2025			<9.80		<10.6																	
Methylene Chloride	75-09-2	ug/L	2/27/2008	<5		<5	<5	<5	<5	<5															
Methylene Chloride	75-09-2	ug/L	5/12/2008	<5		<5	<5	<5	<5	<5															
Methylene Chloride	75-09-2	ug/L	7/13/2008	<5		<5	<5	<5	<5	<5															
Methylene Chloride	75-09-2	ug/L	9/14/2008	<5		<5	<5	<5	<5	<5															
Methylene Chloride	75-09-2	ug/L	11/17/2008	<5		<5	<5	<5	<5	<5															
Methylene Chloride	75-09-2	ug/L	4/14/2009	<5		<5	<5	<5	<5	<5															
Methylene Chloride	75-09-2	ug/L	7/7/2009										<5	<5	<5	<5			<5	<5					
Methylene Chloride	75-09-2	ug/L	9/2/2009										<5	<5	<5	<5			<5	<5					
Methylene Chloride	75-09-2	ug/L	10/25/2009	<5		<5	<5	<5	<5	<5			<5	<5	<5	<5			<5	<5					
Methylene Chloride	75-09-2	ug/L	1/2/2010										<5	<5	<5	<5			<5	<5					
Methylene Chloride	75-09-2	ug/L	3/3/2010									<5	<5	<5	<5	<5	<5	<5	<5	<5					
Methylene Chloride	75-09-2	ug/L	5/10/2010	<5		<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5					
Methylene Chloride	75-09-2	ug/L	7/8/2010									<5					<5	<5							
Methylene Chloride	75-09-2	ug/L	9/13/2010									<5					<5	<5							
Methylene Chloride	75-09-2	ug/L	11/1/2010	<5		<5		<5	<5	<5			<5	<5	<5	<5									
Methylene Chloride	75-09-2	ug/L	1/10/2011									<5					<5	<5							
Methylene Chloride	75-09-2	ug/L	4/4/2011									<5					<5	<5							
Methylene Chloride	75-09-2	ug/L	10/13/2011	<5		<5		<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5						
Methylene Chloride	75-09-2	ug/L	12/5/2011				<5													<5					
Methylene Chloride	75-09-2	ug/L	4/11/2012	<5		<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5					
Methylene Chloride	75-09-2	ug/L	6/25/2012					<5		<5															
Methylene Chloride	75-09-2	ug/L	8/1/2012							<5	<5										<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/11/2012	<5		<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	12/13/2012								<5										<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	2/4/2013								<5										<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	3/30/2013	<5		<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	7/10/2013																		<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/7/2013	<5		<5			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	6/2/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/15/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	4/6/2015	<5		<5	<5	<5	0.29J	0.174J	<5	<5	<5	<5	<5	0.172J	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/5/2015	0.659J		<5	<5	<5	<5	0.462J	<5	0.41J	<5	0.396J	0.527J	0.809J	0.668J	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	4/4/2016	<5		<5	<5	<5	<5	<5	<5	0.218J	<5	<5	<5	<5	0.629J	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/17/2016	0.277J		0.278J	0.452J	0.399J	0.547J	0.392J	0.291J	<5	0.385J	<5	0.425J	0.639J	0.59J	0.342J	0.364J	0.301J	0.687J	0.381J	0.443J	0.41J	0.441J
Methylene Chloride	75-09-2	ug/L	4/17/2017	<5		0.377J	0.424J	0.424J	0.318J	0.409J	0.381J	0.551J	0.559J	0.686J	0.585J	0.733J	0.704J	0.546J	<5	<5	0.361J	0.424J	0.474J	0.531J	0.504J
Methylene Chloride	75-09-2	ug/L	10/11/2017	<5		<5	<5	<5	<5	<5	<5	0.393J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	4/20/2018											0.578J					0.532J	0.541J					
Methylene Chloride	75-09-2	ug/L	4/23/2018	0.361J								0.193J	<5		0.267J	0.279J	0.178J								
Methylene Chloride	75-09-2	ug/L	4/25/2018						0.537J																
Methylene Chloride	75-09-2	ug/L	4/30/2018			<5	<5	<5										<5							
Methylene Chloride	75-09-2	ug/L	5/1/2018								<5										0.235J	0.225J			
Methylene Chloride	75-09-2	ug/L	5/2/2018																				<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/16/2018	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	4/16/2019	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	6/24/2020		<5																				
Methylene Chloride	75-09-2	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	1/21/2021		<5																				
Methylene Chloride	75-09-2	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/20/2021		<5			<5	<5			<5	<5				<5	<5			<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	5/2/2022		<5			<5	<5	<5	<5	<5	<5								<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/14/2022		<5			<5	<5			<5	<5								<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/16/2023		<5			<5	<5			<5	<5								<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	4/29/2024		<5			<5	<5	<5	<5	<5	<5								<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/9/2024		<5.00								<5.00												
Methylene Chloride	75-09-2	ug/L	10/10/2024						<5.00			<5.00													
Methylene Chloride	75-09-2	ug/L	10/14/2024																		<5.00	<5.00		<5.00	
Methylene Chloride	75-09-2	ug/L	10/15/2024																				<5.00		<5.00
Methylene Chloride	75-09-2	ug/L	4/23/2025	<5.00										<5.00					<5.00						
Methylene Chloride	75-09-2	ug/L	4/24/2025													<5.00									
Methylene Chloride	75-09-2	ug/L	4/30/2025		<5.00							<5.00													
Methylene Chloride	75-09-2	ug/L	5/5/2025						<5.00																
Methylene Chloride	75-09-2	ug/L	5/6/2025										<5.00		<5.00										
Methylene Chloride	75-09-2	ug/L	5/7/2025				<5.00													<5.00	<5.00	<5.00	<5.00		
Methylene Chloride	75-09-2	ug/L	5/8/2025			<5.00		<5.00																	
Methylene Chloride	75-09-2	ug/L	5/9/2025							<5.00	<5.00													<5.00	<5.00
Methylphenol, 3 & 4	106-44-5	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Methylphenol, 3 & 4	106-44-5	ug/L	4/24/2025													<10.4									
Methylphenol, 3 & 4	106-44-5	ug/L	5/5/2025						<10.2																
Methylphenol, 3 & 4	106-44-5	ug/L	5/6/2025										<10.4		<10.6										
Methylphenol, 3 & 4	106-44-5	ug/L	5/7/2025				<10.2													<10.6					
Methylphenol, 3 & 4	106-44-5	ug/L	5/8/2025			<9.80		<10.6																	
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/4/2011									<10					<10	<10							
N-Nitrosodi-n-butylamine	924-16-3	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
N-Nitrosodi-n-butylamine	924-16-3	ug/L	6/2/2014																					<10.1	
N-Nitrosodi-n-butylamine	924-16-3	ug/L	10/15/2014																					<10	
N-Nitrosodi-n-butylamine	924-16-3	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/4/2016									<10					<10	<10							
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/1/2018																		<10.4	<10.3			

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/2/2018																				<10.4	<10.5	<10.4
N-Nitrosodi-n-butylamine	924-16-3	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
N-Nitrosodi-n-butylamine	924-16-3	ug/L	6/24/2020		<10.4																				
N-Nitrosodi-n-butylamine	924-16-3	ug/L	10/20/2021		<8							<8					<8	<8							
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/23/2025	<10.4										<10.4					<10.4						
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/24/2025													<10.4									
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/5/2025						<10.2																
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/6/2025										<10.4		<10.6										
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/7/2025				<10.2													<10.6					
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/8/2025			<9.80		<10.6																	
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/4/2011									<10					<10	<10							
N-Nitrosodi-n-propylamine	621-64-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
N-Nitrosodi-n-propylamine	621-64-7	ug/L	6/2/2014																					<10.1	
N-Nitrosodi-n-propylamine	621-64-7	ug/L	10/15/2014																					<10	
N-Nitrosodi-n-propylamine	621-64-7	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/4/2016									<10					<10	<10							
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/1/2018																		<10.4	<10.3			
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
N-Nitrosodi-n-propylamine	621-64-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
N-Nitrosodi-n-propylamine	621-64-7	ug/L	6/24/2020		<10.4																				
N-Nitrosodi-n-propylamine	621-64-7	ug/L	10/20/2021		<8							<8					<8	<8							
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/24/2025													<10.4									
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/5/2025						<10.2																
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/6/2025										<10.4		<10.6										
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/7/2025				<10.2													<10.6					
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/8/2025			<9.80		<10.6																	
N-Nitrosodiethylamine	55-18-5	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
N-Nitrosodiethylamine	55-18-5	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
N-Nitrosodiethylamine	55-18-5	ug/L	4/4/2011									<10					<10	<10							
N-Nitrosodiethylamine	55-18-5	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
N-Nitrosodiethylamine	55-18-5	ug/L	6/2/2014																					<10.1	
N-Nitrosodiethylamine	55-18-5	ug/L	10/15/2014																					<10	
N-Nitrosodiethylamine	55-18-5	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
N-Nitrosodiethylamine	55-18-5	ug/L	4/4/2016									<10					<10	<10							
N-Nitrosodiethylamine	55-18-5	ug/L	5/1/2018																		<10.4	<10.3			
N-Nitrosodiethylamine	55-18-5	ug/L	5/2/2018																				<10.4	<10.5	<10.4
N-Nitrosodiethylamine	55-18-5	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
N-Nitrosodiethylamine	55-18-5	ug/L	6/24/2020		<10.4																				
N-Nitrosodiethylamine	55-18-5	ug/L	10/20/2021		<8							<8					<8	<8							
N-Nitrosodiethylamine	55-18-5	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
N-Nitrosodiethylamine	55-18-5	ug/L	4/23/2025	<10.4										<10.4					<10.4						
N-Nitrosodiethylamine	55-18-5	ug/L	4/24/2025													<10.4									
N-Nitrosodiethylamine	55-18-5	ug/L	5/5/2025						<10.2																
N-Nitrosodiethylamine	55-18-5	ug/L	5/6/2025										<10.4		<10.6										
N-Nitrosodiethylamine	55-18-5	ug/L	5/7/2025				<10.2													<10.6					
N-Nitrosodiethylamine	55-18-5	ug/L	5/8/2025			<9.80		<10.6																	
N-Nitrosodimethylamine	62-75-9	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
N-Nitrosodimethylamine	62-75-9	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
N-Nitrosodimethylamine	62-75-9	ug/L	4/4/2011									<10					<10	<10							
N-Nitrosodimethylamine	62-75-9	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
N-Nitrosodimethylamine	62-75-9	ug/L	6/2/2014																					<10.1	
N-Nitrosodimethylamine	62-75-9	ug/L	10/15/2014																					<10	
N-Nitrosodimethylamine	62-75-9	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
N-Nitrosodimethylamine	62-75-9	ug/L	4/4/2016									<10					<10	<10							
N-Nitrosodimethylamine	62-75-9	ug/L	5/1/2018																		<10.4	<10.3			
N-Nitrosodimethylamine	62-75-9	ug/L	5/2/2018																				<10.4	<10.5	<10.4
N-Nitrosodimethylamine	62-75-9	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
N-Nitrosodimethylamine	62-75-9	ug/L	6/24/2020		<10.4																				
N-Nitrosodimethylamine	62-75-9	ug/L	10/20/2021		<8							<8					<8	<8							
N-Nitrosodimethylamine	62-75-9	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
N-Nitrosodimethylamine	62-75-9	ug/L	4/23/2025	<10.4										<10.4					<10.4						
N-Nitrosodimethylamine	62-75-9	ug/L	4/24/2025													<10.4									
N-Nitrosodimethylamine	62-75-9	ug/L	5/5/2025						<10.2																
N-Nitrosodimethylamine	62-75-9	ug/L	5/6/2025										<10.4		<10.6										
N-Nitrosodimethylamine	62-75-9	ug/L	5/7/2025				<10.2													<10.6					
N-Nitrosodimethylamine	62-75-9	ug/L	5/8/2025			<9.80		<10.6																	
N-Nitrosodiphenylamine	86-30-6	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
N-Nitrosodiphenylamine	86-30-6	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
N-Nitrosodiphenylamine	86-30-6	ug/L	4/4/2011									<10					<10	<10							
N-Nitrosodiphenylamine	86-30-6	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
N-Nitrosodiphenylamine	86-30-6	ug/L	6/2/2014																					<10.1	
N-Nitrosodiphenylamine	86-30-6	ug/L	10/15/2014																					<10	
N-Nitrosodiphenylamine	86-30-6	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
N-Nitrosodiphenylamine	86-30-6	ug/L	4/4/2016									<10					<10	<10							
N-Nitrosodiphenylamine	86-30-6	ug/L	5/1/2018																		<10.4	<10.3			
N-Nitrosodiphenylamine	86-30-6	ug/L	5/2/2018																				<10.4	<10.5	<10.4
N-Nitrosodiphenylamine	86-30-6	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
N-Nitrosodiphenylamine	86-30-6	ug/L	6/24/2020		<10.4																				
N-Nitrosodiphenylamine	86-30-6	ug/L	10/20/2021		<8							<8					<8	<8							
N-Nitrosodiphenylamine	86-30-6	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
N-Nitrosodiphenylamine	86-30-6	ug/L	4/23/2025	<10.4										<10.4					<10.4						
N-Nitrosodiphenylamine	86-30-6	ug/L	4/24/2025													<10.4									

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
N-Nitrosodiphenylamine	86-30-6	ug/L	5/5/2025						<10.2																
N-Nitrosodiphenylamine	86-30-6	ug/L	5/6/2025										<10.4		<10.6										
N-Nitrosodiphenylamine	86-30-6	ug/L	5/7/2025				<10.2													<10.6					
N-Nitrosodiphenylamine	86-30-6	ug/L	5/8/2025			<9.80		<10.6																	
N-Nitrosomethylethalamine	10595-95-6	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
N-Nitrosomethylethalamine	10595-95-6	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
N-Nitrosomethylethalamine	10595-95-6	ug/L	4/4/2011									<10					<10	<10							
N-Nitrosomethylethalamine	10595-95-6	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
N-Nitrosomethylethalamine	10595-95-6	ug/L	6/2/2014																					<10.1	
N-Nitrosomethylethalamine	10595-95-6	ug/L	10/15/2014																					<10	
N-Nitrosomethylethalamine	10595-95-6	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
N-Nitrosomethylethalamine	10595-95-6	ug/L	4/4/2016									<10					<10	<10							
N-Nitrosomethylethalamine	10595-95-6	ug/L	5/1/2018																		<10.4	<10.3			
N-Nitrosomethylethalamine	10595-95-6	ug/L	5/2/2018																				<10.4	<10.5	<10.4
N-Nitrosomethylethalamine	10595-95-6	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
N-Nitrosomethylethalamine	10595-95-6	ug/L	6/24/2020		<10.4																				
N-Nitrosomethylethalamine	10595-95-6	ug/L	10/20/2021		<8							<8					<8	<8							
N-Nitrosomethylethalamine	10595-95-6	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
N-Nitrosomethylethylamine	10595-95-6	ug/L	4/23/2025	<10.4										<10.4					<10.4						
N-Nitrosomethylethylamine	10595-95-6	ug/L	4/24/2025													<10.4									
N-Nitrosomethylethylamine	10595-95-6	ug/L	5/5/2025						<10.2																
N-Nitrosomethylethylamine	10595-95-6	ug/L	5/6/2025										<10.4		<10.6										
N-Nitrosomethylethylamine	10595-95-6	ug/L	5/7/2025				<10.2													<10.6					
N-Nitrosomethylethylamine	10595-95-6	ug/L	5/8/2025			<9.80		<10.6																	
N-Nitrosopiperidine	100-75-4	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
N-Nitrosopiperidine	100-75-4	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
N-Nitrosopiperidine	100-75-4	ug/L	4/4/2011									<10					<10	<10							
N-Nitrosopiperidine	100-75-4	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
N-Nitrosopiperidine	100-75-4	ug/L	6/2/2014																					<10.1	
N-Nitrosopiperidine	100-75-4	ug/L	10/15/2014																					<10	
N-Nitrosopiperidine	100-75-4	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
N-Nitrosopiperidine	100-75-4	ug/L	4/4/2016									<10					<10	<10							
N-Nitrosopiperidine	100-75-4	ug/L	5/1/2018																		<10.4	<10.3			
N-Nitrosopiperidine	100-75-4	ug/L	5/2/2018																				<10.4	<10.5	<10.4
N-Nitrosopiperidine	100-75-4	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
N-Nitrosopiperidine	100-75-4	ug/L	6/24/2020		<10.4																				
N-Nitrosopiperidine	100-75-4	ug/L	10/20/2021		<8							<8					<8	<8							
N-Nitrosopiperidine	100-75-4	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
N-Nitrosopiperidine	100-75-4	ug/L	4/23/2025	<10.4										<10.4					<10.4						
N-Nitrosopiperidine	100-75-4	ug/L	4/24/2025													<10.4									
N-Nitrosopiperidine	100-75-4	ug/L	5/5/2025						<10.2																
N-Nitrosopiperidine	100-75-4	ug/L	5/6/2025										<10.4		<10.6										
N-Nitrosopiperidine	100-75-4	ug/L	5/7/2025				<10.2													<10.6					
N-Nitrosopiperidine	100-75-4	ug/L	5/8/2025			<9.80		<10.6																	
N-Nitrosopyrrolidine	930-55-2	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
N-Nitrosopyrrolidine	930-55-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
N-Nitrosopyrrolidine	930-55-2	ug/L	4/4/2011									<10					<10	<10							
N-Nitrosopyrrolidine	930-55-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
N-Nitrosopyrrolidine	930-55-2	ug/L	6/2/2014																					<10.1	
N-Nitrosopyrrolidine	930-55-2	ug/L	10/15/2014																					<10	
N-Nitrosopyrrolidine	930-55-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
N-Nitrosopyrrolidine	930-55-2	ug/L	4/4/2016									<10					<10	<10							
N-Nitrosopyrrolidine	930-55-2	ug/L	5/1/2018																		<10.4	<10.3			
N-Nitrosopyrrolidine	930-55-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
N-Nitrosopyrrolidine	930-55-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
N-Nitrosopyrrolidine	930-55-2	ug/L	6/24/2020		<10.4																				
N-Nitrosopyrrolidine	930-55-2	ug/L	10/20/2021		<8							<8					<8	<8							
N-Nitrosopyrrolidine	930-55-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
N-Nitrosopyrrolidine	930-55-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
N-Nitrosopyrrolidine	930-55-2	ug/L	4/24/2025													<10.4									
N-Nitrosopyrrolidine	930-55-2	ug/L	5/5/2025						<10.2																
N-Nitrosopyrrolidine	930-55-2	ug/L	5/6/2025										<10.4		<10.6										
N-Nitrosopyrrolidine	930-55-2	ug/L	5/7/2025				<10.2													<10.6					
N-Nitrosopyrrolidine	930-55-2	ug/L	5/8/2025			<9.80		<10.6																	
Naphthalene	91-20-3	ug/L	4/14/2009	<5		<5	<5	<5	<5	<5															
Naphthalene	91-20-3	ug/L	5/10/2010	<5		<5	<5	<5	<5	<5			<5	<5	<5	<5			<5	<5					
Naphthalene	91-20-3	ug/L	4/4/2011									<5					<5	<5							
Naphthalene	91-20-3	ug/L	10/11/2012								<5														
Naphthalene	91-20-3	ug/L	7/10/2013																		<5	<5	<5	<5	<5
Naphthalene	91-20-3	ug/L	10/7/2013								<5														
Naphthalene	91-20-3	ug/L	10/5/2015	<5		<5	<5	<5	<5				<5	<5	<5	<5			<5	<5					
Naphthalene	91-20-3	ug/L	4/4/2016									<5					<5	<5							
Naphthalene	91-20-3	ug/L	5/1/2018																		<5	<5			
Naphthalene	91-20-3	ug/L	5/2/2018																				<5	<5	<5
Naphthalene	91-20-3	ug/L	3/30/2020	<5		<5	<5	<5	<5				<5	<5	<5	<5			<5	<5					
Naphthalene	91-20-3	ug/L	6/24/2020		<5																				
Naphthalene	91-20-3	ug/L	10/20/2021		<8							<8					<8	<8							
Naphthalene	91-20-3	ug/L	5/1/2023																		<5	<5	<5	<5	<5
Naphthalene	91-20-3	ug/L	4/23/2025	<5.00										<5.00					<5.00						
Naphthalene	91-20-3	ug/L	4/24/2025													<5.00									
Naphthalene	91-20-3	ug/L	5/5/2025						<5.00																
Naphthalene	91-20-3	ug/L	5/6/2025										<5.00		<5.00										
Naphthalene	91-20-3	ug/L	5/7/2025				<5.00													<5.00					
Naphthalene	91-20-3	ug/L	5/8/2025			<5.00		<5.00																	
Nickel	7440-02-0	mg/L	2/27/2008	0.013		<0.01	0.035	0.016	0.021	<0.01															
Nickel	7440-02-0	mg/L	5/12/2008	<0.01		<0.01	0.022	<0.01	<0.01	<0.01															
Nickel	7440-02-0	mg/L	7/13/2008	0.011		0.013	0.03	<0.01	<0.01	<0.01															

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Nickel	7440-02-0	mg/L	9/14/2008	<0.01		<0.01	0.02	<0.01	0.015	0.011															
Nickel	7440-02-0	mg/L	11/17/2008	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05															
Nickel	7440-02-0	mg/L	4/14/2009	0.041		<0.01	0.019	<0.01	<0.01	<0.01															
Nickel	7440-02-0	mg/L	7/7/2009	<0.01			0.015			<0.01			0.021	<0.01	<0.01	0.038			<0.01	<0.01					
Nickel	7440-02-0	mg/L	9/2/2009	<0.01			0.02			<0.01			0.024	0.022	<0.01	0.022			<0.01	<0.01					
Nickel	7440-02-0	mg/L	10/25/2009	<0.01		0.012	0.022	<0.01	<0.01	<0.01			0.044	<0.01	0.03	0.021; 0.02			<0.01	<0.01					
Nickel	7440-02-0	mg/L	1/2/2010	<0.01			0.017			<0.01			0.2	<0.01	<0.01	0.016; 0.015			<0.01	<0.01					
Nickel	7440-02-0	mg/L	3/3/2010									0.62	0.061	<0.01	0.016	0.015	0.026; 0.024	<0.01	<0.01	<0.01					
Nickel	7440-02-0	mg/L	5/10/2010	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05					
Nickel	7440-02-0	mg/L	7/8/2010							<0.01		0.016					0.012	0.026							
Nickel	7440-02-0	mg/L	9/13/2010							<0.01		0.038					0.024	0.039							
Nickel	7440-02-0	mg/L	11/1/2010										0.057	<0.01	<0.01	0.019									
Nickel	7440-02-0	mg/L	1/10/2011							<0.05		<0.05					<0.05	<0.05							
Nickel	7440-02-0	mg/L	4/4/2011									<0.05	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01						
Nickel	7440-02-0	mg/L	7/8/2011							<0.01		0.012					<0.01	0.023							
Nickel	7440-02-0	mg/L	8/11/2011							<0.01		0.017					0.032	0.028; 0.025							
Nickel	7440-02-0	mg/L	10/13/2011	<0.15		<0.05		<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05						
Nickel	7440-02-0	mg/L	12/5/2011				<0.05			<0.05		<0.05					<0.05	<0.05		<0.05					
Nickel	7440-02-0	mg/L	4/11/2012	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05					
Nickel	7440-02-0	mg/L	6/25/2012					<0.05		<0.05															
Nickel	7440-02-0	mg/L	8/1/2012							<0.05	<0.05										<0.05	<0.05	<0.05	<0.05	<0.05
Nickel	7440-02-0	mg/L	10/11/2012	<0.05		<0.05	<0.05	<0.05	<0.05		<0.05	<0.05		<0.05	<0.05	<0.05	0.0902	<0.05	<0.05	<0.05	0.0594	<0.05	<0.05	<0.05	<0.05
Nickel	7440-02-0	mg/L	12/13/2012								0.0811										<0.05	0.0518	<0.05	<0.05	0.205
Nickel	7440-02-0	mg/L	2/4/2013								0.105										<0.05	<0.05	<0.05	<0.05	<0.05
Nickel	7440-02-0	mg/L	3/30/2013	<0.05		<0.05	<0.05	<0.05	<0.05		<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel	7440-02-0	mg/L	7/10/2013																		0.0535	<0.05	<0.05	<0.05	<0.05
Nickel	7440-02-0	mg/L	10/7/2013	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.147	<0.05	<0.05	<0.05	<0.05	0.0888	<0.05	<0.05	<0.05
Nickel	7440-02-0	mg/L	6/2/2014	<0.05		<0.1	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.1	0.0127J	0.0415J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.05
Nickel	7440-02-0	mg/L	10/15/2014	0.0102J; 0.0095J		<0.05	0.0238J	<0.05	0.0135J	<0.05	<0.05	0.0101J	0.00997J	0.00784J	0.0108J	0.0232J	0.0278J	0.00953J	0.00918J	0.0131J	0.00944J	<0.05	<0.05	<0.05	<0.05
Nickel	7440-02-0	mg/L	4/6/2015	0.000806J		0.00078J; 0.000669J	0.00794	0.000872J	0.00148J	0.0011J	0.00175J	<0.005	0.00114J	0.0018J	<0.005	0.018	0.0463	0.00733	0.00554	0.00281J	0.00679	<0.005	<0.005	<0.005	0.00133J
Nickel	7440-02-0	mg/L	10/5/2015	0.000981J		<0.005	0.00507	0.00121J	0.00948	0.00153J	0.000588J	0.000761J	0.00553	<0.005	0.000982J	0.0249	0.0485	0.0076	0.00251J	0.00243J	0.00724	0.00158J; 0.000947J	0.000628J	0.000713J	<0.005
Nickel	7440-02-0	mg/L	4/4/2016	<0.005		<0.005	0.00536; 0.00572	<0.005	<0.005	<0.005	<0.005	<0.005	0.00481J	<0.005	<0.005	0.00992	0.0527	0.00849	0.00155J	0.00176J	0.00758	<0.005	<0.005	<0.005	<0.005
Nickel	7440-02-0	mg/L	10/17/2016	<0.005		0.00254J	0.00619	<0.005	0.00511	<0.005	<0.005	<0.005	0.00537	<0.005	<0.005	0.0218	0.0274	0.00771	<0.005	<0.005	0.00547	<0.005	<0.005	<0.005	<0.005
Nickel	7440-02-0	mg/L	4/17/2017	<0.005		0.00176J	0.00433J	0.000974J	0.00093J	<0.005	<0.005	<0.005	0.00345J	<0.005	<0.005	0.00766	0.00125J	0.0122	0.00669	0.0022J	0.00585	<0.005	<0.005	<0.005	<0.005
Nickel	7440-02-0	mg/L	10/11/2017	<0.005		0.00124J	0.00773	<0.005	0.00773	0.00226J	<0.005	<0.005	0.00525	<0.005	<0.005	0.014	0.025	0.00426J	<0.005	0.00178J	0.00545	<0.005	<0.005	<0.005	<0.005
Nickel	7440-02-0	mg/L	4/20/2018											<0.005					<0.005	0.0026J					
Nickel	7440-02-0	mg/L	4/23/2018	<0.005								<0.005	0.00167J		<0.005	0.00692	<0.005								
Nickel	7440-02-0	mg/L	4/25/2018						<0.005		<0.005														
Nickel	7440-02-0	mg/L	4/30/2018			<0.005; 0.00203J	0.00594	<0.005										0.00746							
Nickel	7440-02-0	mg/L	5/1/2018																		0.00538	<0.005			
Nickel	7440-02-0	mg/L	5/2/2018																				<0.005	<0.005	<0.005
Nickel	7440-02-0	mg/L	10/16/2018	0.000952J		0.00118J	0.00521	0.00109J	0.00362	0.00074J	0.000695J	0.00104J	0.00254	0.000872J	<0.002	0.00424	0.0016J	0.00855	0.00105J	0.00218	0.0064	<0.005	<0.005	<0.005	<0.005
Nickel	7440-02-0	mg/L	4/16/2019	<0.005		<0.005	0.00363J	<0.005	0.00208J	<0.005	<0.005	<0.005	0.00231J	<0.005	<0.005	0.00506	<0.005	0.00647	<0.005	<0.005	0.00561	<0.005	<0.005	<0.005	<0.005
Nickel	7440-02-0	mg/L	10/1/2019	<0.005	0.00342J	<0.005	0.0061	<0.005	0.00311J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00387J	<0.005	0.0042J	<0.005	0.00282J	0.00373J	<0.005	<0.005	<0.005	<0.005
Nickel	7440-02-0	mg/L	3/30/2020	<0.005	0.00661	<0.005	0.0034J	<0.005	<0.005	<0.005	<0.005	0.00387J	0.0026J	<0.005	<0.005	0.00349J	<0.005	0.00556	<0.005	<0.005	0.00534	<0.005	<0.005	<0.005	<0.005
Nickel	7440-02-0	mg/L	6/24/2020		0.00482J																				
Nickel	7440-02-0	mg/L	10/7/2020	<0.005	0.0057	<0.005	0.00788	<0.005	0.0166	0.00237J	<0.005	<0.005	0.00288J	<0.005	<0.005	0.0156	<0.005	0.00324J	<0.005	<0.005	0.00535	<0.005	<0.005	<0.005	<0.005
Nickel	7440-02-0	mg/L	1/21/2021		0.0063																				
Nickel	7440-02-0	mg/L	4/13/2021	0.0011J	0.005	0.0021J	0.0044	0.0012J	0.0017J; 0.0016J	0.0008J	<0.004	0.001J	0.0014J	<0.004	<0.004	0.0028J	0.0023J	0.0046	0.001J	0.0022J	0.0065	0.0009J	<0.004	<0.004	<0.004
Nickel	7440-02-0	mg/L	10/20/2021		0.0048			0.0016J; 0.0013J	0.0144			<0.004	0.0014J				0.0016J	0.002J			0.0054	<0.004	<0.004	0.0014J	0.0024J
Nickel	7440-02-0	mg/L	5/2/2022	<0.004	0.0044	0.0018J	0.0065	0.0015J	0.0058	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.0029J	<0.004	0.0036J	0.0042	0.0041	0.0052	<0.004	<0.004	<0.004	<0.004
Nickel	7440-02-0	mg/L	10/14/2022		0.0048		0.0088	<0.004; 0.0014J	0.0292			0.0013J	0.012								0.0062	0.0019J	<0.004	<0.004	<0.004
Nickel	7440-02-0	mg/L	5/1/2023	<0.005	0.00234J	<0.005	0.00868	<0.005	0.00476J; 0.00489J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00318J	<0.005	0.00226J	0.00494J	0.00231J	0.00276J	<0.005	<0.005	<0.005	<0.005
Nickel	7440-02-0	mg/L	10/16/2023		<0.005		0.0097	<0.005	0.0026J			<0.005	<0.005								0.00354J	<0.005	<0.005	<0.005	<0.005
Nickel	7440-02-0	mg/L	4/29/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00236J	<0.005	<0.005	<0.005	<0.005
Nickel	7440-02-0	mg/L	10/9/2024		<0.00500								<0.00500												
Nickel	7440-02-0	mg/L	10/10/2024						0.0211			<0.00500													
Nickel	7440-02-0	mg/L	10/14/2024																		0.00417J	<0.00500		<0.00500	
Nickel	7440-02-0	mg/L	10/15/2024				0.00768																<0.00500		<0.00500
Nickel	7440-02-0	mg/L	4/23/2025	<0.00500										<0.00500					<0.00500						
Nickel	7440-02-0	mg/L	4/24/2025													0.00257	<0.00500								
Nickel	7440-02-0	mg/L	4/30/2025		<0.00500							<0.00500													
Nickel	7440-02-0	mg/L	5/5/2025						0.00753																
Nickel	7440-02-0	mg/L	5/6/2025										<0.00500		<0.00500										
Nickel	7440-02-0	mg/L	5/7/2025				0.00546													0.00258	0.00429	<0.00500	<0.00500		
Nickel	7440-02-0	mg/L	5/8/2025			<0.00500		<0.00500																	
Nickel	7440-02-0	mg/L	5/9/2025							<0.00500	0.00278							<0.00500						<0.00500	<0.00500
Nitrate (NO3)	14797-55-8	mg/L	4/6/2015	0.686		1.96	<0.1	0.822	<0.1	<0.1	8.47	4.51	1.73	7.18	6.99	<0.1	<0.1	<0.1	0.478	<0.1	<0.1	0.614	0.0615J	<0.1	<0.1
Nitrate (NO3)	14797-55-8	mg/L	10/5/2015	0.604		1.37	<0.1	0.756	<0.1	0.0813J	9.89	5.22	<0.1	6.36	7.44	0.119	<0.1	<0.1	0.497	<0.1	<0.1	0.669	0.0816J	0.095J	0.0905J
Nitrate (NO3)	14797-55-8	mg/L	4/4/2016	0.791		1.84	1.13	0.653	<0.1	<0.1	9.81	4.75	<0.1	1.1	18.2	<0.1	<0.1	0.837	0.352	2.41	<0.1	0.86	0.122	<0.1	<0.1
Nitrate (NO3)	14797-55-8	mg/L	10/17/2016	0.792		0.777	<0.1	0.476	<0.1	<0.1	9.22	4.8	<0.1	6.75	6.85	<0.1	<0.1	<0.1	0.189	0.0566J	0.0529J	1.1	0.114	<0.1	<0.1
Nitrobenzene	98-95-3	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Nitrobenzene	98-95-3	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Nitrobenzene	98-95-3	ug/L	4/4/2011									<10					<10	<10							
Nitrobenzene	98-95-3	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Nitrobenzene	98-95-3	ug/L	6/2/2014																					<10.1	
Nitrobenzene	98-95-3	ug/L	10/15/2014																					<10	
Nitrobenzene	98-95-3	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Nitrobenzene	98-95-3	ug/L	4/4/2016									<10					<10	<10							
Nitrobenzene	98-95-3	ug/L	5/1/2018																		<10.4	<10.3			
Nitrobenzene	98-95-3	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Nitrobenzene	98-95-3	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Nitrobenzene	98-95-3	ug/L	6/24/2020		<10.4																				
Nitrobenzene	98-95-3	ug/L	10/20/2021		<8							<8					<8	<8							
Nitrobenzene	98-95-3	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Nitrobenzene	98-95-3	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Nitrobenzene	98-95-3	ug/L	4/24/2025													<10.4									

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Nitrobenzene	98-95-3	ug/L	5/5/2025						<10.2																
Nitrobenzene	98-95-3	ug/L	5/6/2025										<10.4		<10.6										
Nitrobenzene	98-95-3	ug/L	5/7/2025				<10.2													<10.6					
Nitrobenzene	98-95-3	ug/L	5/8/2025			<9.80		<10.6																	
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	4/14/2009	<30		<30	<30	<30	<30	<30															
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	4/4/2011									<10					<10	<10							
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	6/2/2014																					<10.1	
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	10/15/2014																					<10	
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	4/4/2016									<10					<10	<10							
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	5/1/2018																		<10.4	<10.3			
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	5/2/2018																				<10.4	<10.5	<10.4
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	6/24/2020		<10.4																				
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	10/20/2021		<0.4							<0.4					<0.4	<0.4							
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
O-Toluidine	95-53-4	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
O-Toluidine	95-53-4	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
O-Toluidine	95-53-4	ug/L	4/4/2011									<10					<10	<10							
O-Toluidine	95-53-4	ug/L	7/10/2013																		<10.2	<10.1	<10.1	658	<10.3
O-Toluidine	95-53-4	ug/L	10/7/2013							<10.2	<10.1													<10.1	
O-Toluidine	95-53-4	ug/L	6/2/2014																					<10.1	
O-Toluidine	95-53-4	ug/L	10/15/2014																					<10	
O-Toluidine	95-53-4	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	1.18J			<11.1	<10.1					
O-Toluidine	95-53-4	ug/L	4/4/2016									<10					<10	<10							
O-Toluidine	95-53-4	ug/L	5/1/2018																		<10.4	<10.3			
O-Toluidine	95-53-4	ug/L	5/2/2018																				<10.4	<10.5	<10.4
O-Toluidine	95-53-4	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
O-Toluidine	95-53-4	ug/L	6/24/2020		<10.4																				
O-Toluidine	95-53-4	ug/L	10/20/2021		<8							<8					<8	<8							
O-Toluidine	95-53-4	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
O-Xylene	95-47-6	ug/L	7/10/2013																		<1	<1	<1	<1	<1
PCB-1016	12674-11-2	ug/L	4/14/2009	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8															
PCB-1016	12674-11-2	ug/L	5/10/2010	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	<0.8	<0.8	<0.8			<0.8	<0.8					
PCB-1016	12674-11-2	ug/L	4/4/2011									<0.8					<0.8	<0.8							
PCB-1016	12674-11-2	ug/L	7/10/2013																		<0.833	<0.808	<0.808	<0.976	<0.816
PCB-1016	12674-11-2	ug/L	10/5/2015	<0.808		<0.86	<0.8	<0.833	<0.816				<0.816	<0.808	<0.8	<0.808			<0.87	<0.8					
PCB-1016	12674-11-2	ug/L	4/4/2016									<0.8					<0.8	<0.8							
PCB-1016	12674-11-2	ug/L	5/1/2018																		<0.816	<0.833			
PCB-1016	12674-11-2	ug/L	5/2/2018																				<0.851	<0.851	<0.833
PCB-1016	12674-11-2	ug/L	3/30/2020	<0.833		<0.842	<0.833	<0.86	<0.842				<0.842	<0.833	<0.833	<0.833			<0.825	<0.825					
PCB-1016	12674-11-2	ug/L	6/24/2020		<0.842																				
PCB-1016	12674-11-2	ug/L	10/20/2021		<0.1							<0.1					<0.1	<0.1							
PCB-1016	12674-11-2	ug/L	5/1/2023																		<0.8	<0.93	<0.889	<0.8	<0.8
PCB-1016	12674-11-2	ug/L	4/23/2025	<1.82										<1.79					<1.81						
PCB-1016	12674-11-2	ug/L	4/24/2025													<1.84									
PCB-1016	12674-11-2	ug/L	5/5/2025						<1.79																
PCB-1016	12674-11-2	ug/L	5/6/2025										<1.81		<1.80										
PCB-1016	12674-11-2	ug/L	5/7/2025				<1.81													<1.81					
PCB-1016	12674-11-2	ug/L	5/8/2025			<1.76		<1.81																	
PCB-1221	11104-28-2	ug/L	4/14/2009	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8															
PCB-1221	11104-28-2	ug/L	5/10/2010	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	<0.8	<0.8	<0.8			<0.8	<0.8					
PCB-1221	11104-28-2	ug/L	4/4/2011									<0.8					<0.8	<0.8							
PCB-1221	11104-28-2	ug/L	7/10/2013																		<0.833	<0.808	<0.808	<0.976	<0.816
PCB-1221	11104-28-2	ug/L	10/5/2015	<0.808		<0.86	<0.8	<0.833	<0.816				<0.816	<0.808	<0.8	<0.808			<0.87	<0.8					
PCB-1221	11104-28-2	ug/L	4/4/2016									<0.8					<0.8	<0.8							
PCB-1221	11104-28-2	ug/L	5/1/2018																		<0.816	<0.833			
PCB-1221	11104-28-2	ug/L	5/2/2018																				<0.851	<0.851	<0.833
PCB-1221	11104-28-2	ug/L	3/30/2020	<0.833		<0.842	<0.833	<0.86	<0.842				<0.842	<0.833	<0.833	<0.833			<0.825	<0.825					
PCB-1221	11104-28-2	ug/L	6/24/2020		<0.842																				
PCB-1221	11104-28-2	ug/L	10/20/2021		<0.2							<0.2					<0.2	<0.2							
PCB-1221	11104-28-2	ug/L	5/1/2023																		<0.8	<0.93	<0.889	<0.8	<0.8
PCB-1221	11104-28-2	ug/L	4/23/2025	<1.82										<1.79					<1.81						
PCB-1221	11104-28-2	ug/L	4/24/2025													<1.84									
PCB-1221	11104-28-2	ug/L	5/5/2025						<1.79																
PCB-1221	11104-28-2	ug/L	5/6/2025										10.2		<1.80										
PCB-1221	11104-28-2	ug/L	5/7/2025				<1.81													<1.81					
PCB-1221	11104-28-2	ug/L	5/8/2025			<1.76		<1.81																	
PCB-1232	11141-16-5	ug/L	4/14/2009	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8															
PCB-1232	11141-16-5	ug/L	5/10/2010	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	<0.8	<0.8	<0.8			<0.8	<0.8					
PCB-1232	11141-16-5	ug/L	4/4/2011									<0.8					<0.8	<0.8							
PCB-1232	11141-16-5	ug/L	7/10/2013																		<0.833	<0.808	<0.808	<0.976	<0.816
PCB-1232	11141-16-5	ug/L	10/5/2015	<0.808		<0.86	<0.8	<0.833	<0.816				<0.816	<0.808	<0.8	<0.808			<0.87	<0.8					
PCB-1232	11141-16-5	ug/L	4/4/2016									<0.8					<0.8	<0.8							
PCB-1232	11141-16-5	ug/L	5/1/2018																		<0.816	<0.833			
PCB-1232	11141-16-5	ug/L	5/2/2018																				<0.851	<0.851	<0.833
PCB-1232	11141-16-5	ug/L	3/30/2020	<0.833		<0.842	<0.833	<0.86	<0.842				<0.842	<0.833	<0.833	<0.833			<0.825	<0.825					
PCB-1232	11141-16-5	ug/L	6/24/2020		<0.842																				
PCB-1232	11141-16-5	ug/L	10/20/2021		<0.2							<0.2					<0.2	<0.2							
PCB-1232	11141-16-5	ug/L	5/1/2023																		<0.8	<0.93	<0.889	<0.8	<0.8
PCB-1232	11141-16-5	ug/L	4/23/2025	<1.82										<1.79					<1.81						
PCB-1232	11141-16-5	ug/L	4/24/2025													<1.84									
PCB-1232	11141-16-5	ug/L	5/5/2025						<1.79																
PCB-1232	11141-16-5	ug/L	5/6/2025										<1.81		<1.80										
PCB-1232	11141-16-5	ug/L	5/7/2025				<1.81													<1.81					

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
PCB-1232	11141-16-5	ug/L	5/8/2025			<1.76		<1.81																	
PCB-1242	53469-21-9	ug/L	4/14/2009	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8															
PCB-1242	53469-21-9	ug/L	5/10/2010	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	<0.8	<0.8	<0.8			<0.8	<0.8					
PCB-1242	53469-21-9	ug/L	4/4/2011									<0.8					<0.8	<0.8							
PCB-1242	53469-21-9	ug/L	7/10/2013																		<0.833	<0.808	<0.808	<0.976	<0.816
PCB-1242	53469-21-9	ug/L	10/5/2015	<0.808		<0.86	<0.8	<0.833	<0.816				<0.816	<0.808	<0.8	<0.808			<0.87	<0.8					
PCB-1242	53469-21-9	ug/L	4/4/2016									<0.8					<0.8	<0.8							
PCB-1242	53469-21-9	ug/L	5/1/2018																		<0.816	<0.833			
PCB-1242	53469-21-9	ug/L	5/2/2018																				<0.851	<0.851	<0.833
PCB-1242	53469-21-9	ug/L	3/30/2020	<0.833		<0.842	<0.833	<0.86	<0.842				<0.842	<0.833	<0.833	<0.833			<0.825	<0.825					
PCB-1242	53469-21-9	ug/L	6/24/2020		<0.842																				
PCB-1242	53469-21-9	ug/L	10/20/2021		<0.2							<0.2					<0.2	<0.2							
PCB-1242	53469-21-9	ug/L	5/1/2023																		<0.8	<0.93	<0.889	<0.8	<0.8
PCB-1242	53469-21-9	ug/L	4/23/2025	<1.82										<1.79					<1.81						
PCB-1242	53469-21-9	ug/L	4/24/2025													<1.84									
PCB-1242	53469-21-9	ug/L	5/5/2025						<1.79																
PCB-1242	53469-21-9	ug/L	5/6/2025										<1.81		<1.80										
PCB-1242	53469-21-9	ug/L	5/7/2025				<1.81													<1.81					
PCB-1242	53469-21-9	ug/L	5/8/2025			<1.76		<1.81																	
PCB-1248	12672-29-6	ug/L	4/14/2009	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8															
PCB-1248	12672-29-6	ug/L	5/10/2010	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	<0.8	<0.8	<0.8			<0.8	<0.8					
PCB-1248	12672-29-6	ug/L	4/4/2011									<0.8					<0.8	<0.8							
PCB-1248	12672-29-6	ug/L	7/10/2013																		<0.833	<0.808	<0.808	<0.976	<0.816
PCB-1248	12672-29-6	ug/L	10/5/2015	<0.808		<0.86	<0.8	<0.833	<0.816				<0.816	<0.808	<0.8	<0.808			<0.87	<0.8					
PCB-1248	12672-29-6	ug/L	4/4/2016									<0.8					<0.8	<0.8							
PCB-1248	12672-29-6	ug/L	5/1/2018																		<0.816	<0.833			
PCB-1248	12672-29-6	ug/L	5/2/2018																				<0.851	<0.851	<0.833
PCB-1248	12672-29-6	ug/L	3/30/2020	<0.833		<0.842	<0.833	<0.86	<0.842				<0.842	<0.833	<0.833	<0.833			<0.825	<0.825					
PCB-1248	12672-29-6	ug/L	6/24/2020		<0.842																				
PCB-1248	12672-29-6	ug/L	10/20/2021		<0.2							<0.2					<0.2	<0.2							
PCB-1248	12672-29-6	ug/L	5/1/2023																		<0.8	<0.93	<0.889	<0.8	<0.8
PCB-1248	12672-29-6	ug/L	4/23/2025	<1.82										<1.79					<1.81						
PCB-1248	12672-29-6	ug/L	4/24/2025													<1.84									
PCB-1248	12672-29-6	ug/L	5/5/2025						<1.79																
PCB-1248	12672-29-6	ug/L	5/6/2025										<1.81		<1.80										
PCB-1248	12672-29-6	ug/L	5/7/2025				<1.81													<1.81					
PCB-1248	12672-29-6	ug/L	5/8/2025			<1.76		<1.81																	
PCB-1254	11097-69-1	ug/L	4/14/2009	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8															
PCB-1254	11097-69-1	ug/L	5/10/2010	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	<0.8	<0.8	<0.8			<0.8	<0.8					
PCB-1254	11097-69-1	ug/L	4/4/2011									<0.8					<0.8	<0.8							
PCB-1254	11097-69-1	ug/L	7/10/2013																		<0.833	<0.808	<0.808	<0.976	<0.816
PCB-1254	11097-69-1	ug/L	10/5/2015	<0.808		<0.86	<0.8	<0.833	<0.816				<0.816	<0.808	<0.8	<0.808			<0.87	<0.8					
PCB-1254	11097-69-1	ug/L	4/4/2016									<0.8					<0.8	<0.8							
PCB-1254	11097-69-1	ug/L	5/1/2018																		<0.816	<0.833			
PCB-1254	11097-69-1	ug/L	5/2/2018																				<0.851	<0.851	<0.833
PCB-1254	11097-69-1	ug/L	3/30/2020	<0.833		<0.842	<0.833	<0.86	<0.842				<0.842	<0.833	<0.833	<0.833			<0.825	<0.825					
PCB-1254	11097-69-1	ug/L	6/24/2020		<0.842																				
PCB-1254	11097-69-1	ug/L	10/20/2021		<0.1							<0.1					<0.1	<0.1							
PCB-1254	11097-69-1	ug/L	5/1/2023																		<0.8	<0.93	<0.889	<0.8	<0.8
PCB-1254	11097-69-1	ug/L	4/23/2025	<1.82										<1.79					<1.81						
PCB-1254	11097-69-1	ug/L	4/24/2025													<1.84									
PCB-1254	11097-69-1	ug/L	5/5/2025						<1.79																
PCB-1254	11097-69-1	ug/L	5/6/2025										<1.81		<1.80										
PCB-1254	11097-69-1	ug/L	5/7/2025				<1.81													<1.81					
PCB-1254	11097-69-1	ug/L	5/8/2025			<1.76		<1.81																	
PCB-1260	11096-82-5	ug/L	4/14/2009	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8															
PCB-1260	11096-82-5	ug/L	5/10/2010	<0.8		<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	<0.8	<0.8	<0.8			<0.8	<0.8					
PCB-1260	11096-82-5	ug/L	4/4/2011									<0.8					<0.8	<0.8							
PCB-1260	11096-82-5	ug/L	7/10/2013																		<0.833	<0.808	<0.808	<0.976	<0.816
PCB-1260	11096-82-5	ug/L	10/5/2015	<0.808		<0.86	<0.8	<0.833	<0.816				<0.816	<0.808	<0.8	<0.808			<0.87	<0.8					
PCB-1260	11096-82-5	ug/L	4/4/2016									<0.8					<0.8	<0.8							
PCB-1260	11096-82-5	ug/L	5/1/2018																		<0.816	<0.833			
PCB-1260	11096-82-5	ug/L	5/2/2018																				<0.851	<0.851	<0.833
PCB-1260	11096-82-5	ug/L	3/30/2020	<0.833		<0.842	<0.833	<0.86	<0.842				<0.842	<0.833	<0.833	<0.833			<0.825	<0.825					
PCB-1260	11096-82-5	ug/L	6/24/2020		<0.842																				
PCB-1260	11096-82-5	ug/L	10/20/2021		<0.1							<0.1					<0.1	<0.1							
PCB-1260	11096-82-5	ug/L	5/1/2023																		<0.8	<0.93	<0.889	<0.8	<0.8
PCB-1260	11096-82-5	ug/L	4/23/2025	<1.82										<1.79					<1.81						
PCB-1260	11096-82-5	ug/L	4/24/2025													<1.84									
PCB-1260	11096-82-5	ug/L	5/5/2025						<1.79																
PCB-1260	11096-82-5	ug/L	5/6/2025										<1.81		<1.80										
PCB-1260	11096-82-5	ug/L	5/7/2025				<1.81													<1.81					
PCB-1260	11096-82-5	ug/L	5/8/2025			<1.76		<1.81																	
Parathion-Ethyl	56-38-2	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Parathion-Ethyl	56-38-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Parathion-Ethyl	56-38-2	ug/L	4/4/2011									<10					<10	<10							
Parathion-Ethyl	56-38-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Parathion-Ethyl	56-38-2	ug/L	6/2/2014																					<10.1	
Parathion-Ethyl	56-38-2	ug/L	10/15/2014																					<10	
Parathion-Ethyl	56-38-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Parathion-Ethyl	56-38-2	ug/L	4/4/2016									<10					<10	<10							
Parathion-Ethyl	56-38-2	ug/L	5/1/2018																		<10.4	<10.3			
Parathion-Ethyl	56-38-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Parathion-Ethyl	56-38-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Parathion-Ethyl	56-38-2	ug/L	6/24/2020		<10.4																				
Parathion-Ethyl	56-38-2	ug/L	10/20/2021		<0.4							<0.4					<0.4	<0.4							
Parathion-Ethyl	56-38-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Parathion-Methyl	298-00-0	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Parathion-Methyl	298-00-0	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Parathion-Methyl	298-00-0	ug/L	4/4/2011									<10					<10	<10							
Parathion-Methyl	298-00-0	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Parathion-Methyl	298-00-0	ug/L	6/2/2014																					<10.1	
Parathion-Methyl	298-00-0	ug/L	10/15/2014																					<10	
Parathion-Methyl	298-00-0	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Parathion-Methyl	298-00-0	ug/L	4/4/2016									<10					<10	<10							
Parathion-Methyl	298-00-0	ug/L	5/1/2018																		<10.4	<10.3			
Parathion-Methyl	298-00-0	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Parathion-Methyl	298-00-0	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Parathion-Methyl	298-00-0	ug/L	6/24/2020		<10.4																				
Parathion-Methyl	298-00-0	ug/L	10/20/2021		<0.4							<0.4					<0.4	<0.4							
Parathion-Methyl	298-00-0	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Pentachlorobenzene	608-93-5	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Pentachlorobenzene	608-93-5	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Pentachlorobenzene	608-93-5	ug/L	4/4/2011									<10					<10	<10							
Pentachlorobenzene	608-93-5	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Pentachlorobenzene	608-93-5	ug/L	6/2/2014																					<10.1	
Pentachlorobenzene	608-93-5	ug/L	10/15/2014																					<10	
Pentachlorobenzene	608-93-5	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Pentachlorobenzene	608-93-5	ug/L	4/4/2016									<10					<10	<10							
Pentachlorobenzene	608-93-5	ug/L	5/1/2018																		<10.4	<10.3			
Pentachlorobenzene	608-93-5	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Pentachlorobenzene	608-93-5	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Pentachlorobenzene	608-93-5	ug/L	6/24/2020		<10.4																				
Pentachlorobenzene	608-93-5	ug/L	10/20/2021		<8							<8					<8	<8							
Pentachlorobenzene	608-93-5	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Pentachlorobenzene	608-93-5	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Pentachlorobenzene	608-93-5	ug/L	4/24/2025													<10.4									
Pentachlorobenzene	608-93-5	ug/L	5/5/2025						<10.2																
Pentachlorobenzene	608-93-5	ug/L	5/6/2025										<10.4		<10.6										
Pentachlorobenzene	608-93-5	ug/L	5/7/2025				<10.2													<10.6					
Pentachlorobenzene	608-93-5	ug/L	5/8/2025			<9.80		<10.6																	
Pentachloronitrobenzene	82-68-8	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Pentachloronitrobenzene	82-68-8	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Pentachloronitrobenzene	82-68-8	ug/L	4/4/2011									<10					<10	<10							
Pentachloronitrobenzene	82-68-8	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Pentachloronitrobenzene	82-68-8	ug/L	6/2/2014																					<10.1	
Pentachloronitrobenzene	82-68-8	ug/L	10/15/2014																					<10	
Pentachloronitrobenzene	82-68-8	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Pentachloronitrobenzene	82-68-8	ug/L	4/4/2016									<10					<10	<10							
Pentachloronitrobenzene	82-68-8	ug/L	5/1/2018																		<10.4	<10.3			
Pentachloronitrobenzene	82-68-8	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Pentachloronitrobenzene	82-68-8	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Pentachloronitrobenzene	82-68-8	ug/L	6/24/2020		<10.4																				
Pentachloronitrobenzene	82-68-8	ug/L	10/20/2021		<8							<8					<8	<8							
Pentachloronitrobenzene	82-68-8	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Pentachloronitrobenzene	82-68-8	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Pentachloronitrobenzene	82-68-8	ug/L	4/24/2025													<10.4									
Pentachloronitrobenzene	82-68-8	ug/L	5/5/2025						<10.2																
Pentachloronitrobenzene	82-68-8	ug/L	5/6/2025										<10.4		<10.6										
Pentachloronitrobenzene	82-68-8	ug/L	5/7/2025				<10.2													<10.6					
Pentachloronitrobenzene	82-68-8	ug/L	5/8/2025			<9.80		<10.6																	
Pentachlorophenol	87-86-5	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Pentachlorophenol	87-86-5	ug/L	4/24/2025													<10.4									
Pentachlorophenol	87-86-5	ug/L	5/5/2025						<10.2																
Pentachlorophenol	87-86-5	ug/L	5/6/2025										<10.4		<10.6										
Pentachlorophenol	87-86-5	ug/L	5/7/2025				<10.2													<10.6					
Pentachlorophenol	87-86-5	ug/L	5/8/2025			<9.80		<10.6																	
Pentachlorophenol [2C]	87-86-5	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Pentachlorophenol [2C]	87-86-5	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Pentachlorophenol [2C]	87-86-5	ug/L	4/4/2011									<10					<10	<10							
Pentachlorophenol [2C]	87-86-5	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Pentachlorophenol [2C]	87-86-5	ug/L	6/2/2014																					<10.1	
Pentachlorophenol [2C]	87-86-5	ug/L	10/15/2014																					<10	
Pentachlorophenol [2C]	87-86-5	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Pentachlorophenol [2C]	87-86-5	ug/L	4/4/2016									<10					2.65J	<10							
Pentachlorophenol [2C]	87-86-5	ug/L	5/1/2018																		2.67J	<10.3			
Pentachlorophenol [2C]	87-86-5	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Pentachlorophenol [2C]	87-86-5	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Pentachlorophenol [2C]	87-86-5	ug/L	6/24/2020		<10.4																				
Pentachlorophenol [2C]	87-86-5	ug/L	10/20/2021		<8							<8					<8	<8							
Pentachlorophenol [2C]	87-86-5	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Phenacetin	62-44-2	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Phenacetin	62-44-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Phenacetin	62-44-2	ug/L	4/4/2011									<10					<10	<10							
Phenacetin	62-44-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Phenacetin	62-44-2	ug/L	6/2/2014																					<10.1	
Phenacetin	62-44-2	ug/L	10/15/2014																					<10	
Phenacetin	62-44-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Phenacetin	62-44-2	ug/L	4/4/2016									<10					<10	<10							
Phenacetin	62-44-2	ug/L	5/1/2018																		<10.4	<10.3			
Phenacetin	62-44-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Phenacetin	62-44-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Phenacetin	62-44-2	ug/L	6/24/2020		<10.4																				
Phenacetin	62-44-2	ug/L	10/20/2021		<8							<8					<8	<8							

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Phenacetin	62-44-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Phenacetin	62-44-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Phenacetin	62-44-2	ug/L	4/24/2025													<10.4									
Phenacetin	62-44-2	ug/L	5/5/2025						<10.2																
Phenacetin	62-44-2	ug/L	5/6/2025										<10.4		<10.6										
Phenacetin	62-44-2	ug/L	5/7/2025				<10.2													<10.6					
Phenacetin	62-44-2	ug/L	5/8/2025			<9.80		<10.6																	
Phenanthrene	85-01-8	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Phenanthrene	85-01-8	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Phenanthrene	85-01-8	ug/L	4/4/2011									<10					<10	<10							
Phenanthrene	85-01-8	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Phenanthrene	85-01-8	ug/L	6/2/2014																					<10.1	
Phenanthrene	85-01-8	ug/L	10/15/2014																					<10	
Phenanthrene	85-01-8	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Phenanthrene	85-01-8	ug/L	4/4/2016									<10					<10	<10							
Phenanthrene	85-01-8	ug/L	5/1/2018																		<10.4	<10.3			
Phenanthrene	85-01-8	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Phenanthrene	85-01-8	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Phenanthrene	85-01-8	ug/L	6/24/2020		<10.4																				
Phenanthrene	85-01-8	ug/L	10/20/2021		<8							<8					<8	<8							
Phenanthrene	85-01-8	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Phenanthrene	85-01-8	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Phenanthrene	85-01-8	ug/L	4/24/2025													<10.4									
Phenanthrene	85-01-8	ug/L	5/5/2025						<10.2																
Phenanthrene	85-01-8	ug/L	5/6/2025										<10.4		<10.6										
Phenanthrene	85-01-8	ug/L	5/7/2025				<10.2													<10.6					
Phenanthrene	85-01-8	ug/L	5/8/2025			<9.80		<10.6																	
Phenol	108-95-2	ug/L	4/14/2009	<20		<20	<20	<20	<20	<20															
Phenol	108-95-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Phenol	108-95-2	ug/L	4/4/2011									<10					<10	<10							
Phenol	108-95-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	3010	<10.3
Phenol	108-95-2	ug/L	10/7/2013							<10.2	<10.1													<10.1	
Phenol	108-95-2	ug/L	6/2/2014																					<10.1	
Phenol	108-95-2	ug/L	10/15/2014																					<10	
Phenol	108-95-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Phenol	108-95-2	ug/L	4/4/2016									<10					<10	<10							
Phenol	108-95-2	ug/L	5/1/2018																		<10.4	<10.3			
Phenol	108-95-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Phenol	108-95-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Phenol	108-95-2	ug/L	6/24/2020		<10.4																				
Phenol	108-95-2	ug/L	10/20/2021		<8							<8					<8	<8							
Phenol	108-95-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Phenol	108-95-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Phenol	108-95-2	ug/L	4/24/2025													<10.4									
Phenol	108-95-2	ug/L	5/5/2025						<10.2																
Phenol	108-95-2	ug/L	5/6/2025										<10.4		<10.6										
Phenol	108-95-2	ug/L	5/7/2025				<10.2													<10.6					
Phenol	108-95-2	ug/L	5/8/2025			<9.80		<10.6																	
Phorate	298-02-2	ug/L	4/14/2009	<60		<60	<60	<60	<60	<60															
Phorate	298-02-2	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Phorate	298-02-2	ug/L	4/4/2011									<10					<10	<10							
Phorate	298-02-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Phorate	298-02-2	ug/L	6/2/2014																					<10.1	
Phorate	298-02-2	ug/L	10/15/2014																					<10	
Phorate	298-02-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Phorate	298-02-2	ug/L	4/4/2016									<10					<10	<10							
Phorate	298-02-2	ug/L	5/1/2018																		<10.4	<10.3			
Phorate	298-02-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Phorate	298-02-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Phorate	298-02-2	ug/L	6/24/2020		<10.4																				
Phorate	298-02-2	ug/L	10/20/2021		<0.4							<0.4					<0.4	<0.4							
Phorate	298-02-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Phorate	298-02-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Phorate	298-02-2	ug/L	4/24/2025													<10.4									
Phorate	298-02-2	ug/L	5/5/2025						<10.2																
Phorate	298-02-2	ug/L	5/6/2025										<10.4		<10.6										
Phorate	298-02-2	ug/L	5/7/2025				<10.2													<10.6					
Phorate	298-02-2	ug/L	5/8/2025			<9.80		<10.6																	
Potassium	7440-09-7	mg/L	6/2/2014	1.03		<2	<1	0.774J	<1	<1	<2	0.822J	<1	<1	<2	<1	6.24	<1	1.02	4.42	1.71	<1	<2	1.67J	1.85
Potassium	7440-09-7	mg/L	10/15/2014	0.857J		<1	<1	<1	<1	<1	0.918J	<1	<1	<1	<1	<1	6.55	<1	0.917J	2.82	1.43	<1	0.864J	1.38	1.32
Pronamide	23950-58-5	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Pronamide	23950-58-5	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Pronamide	23950-58-5	ug/L	4/4/2011									<10					<10	<10							
Pronamide	23950-58-5	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Pronamide	23950-58-5	ug/L	6/2/2014																					<10.1	
Pronamide	23950-58-5	ug/L	10/15/2014																					<10	
Pronamide	23950-58-5	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Pronamide	23950-58-5	ug/L	4/4/2016									<10					<10	<10							
Pronamide	23950-58-5	ug/L	5/1/2018																		<10.4	<10.3			
Pronamide	23950-58-5	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Pronamide	23950-58-5	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Pronamide	23950-58-5	ug/L	6/24/2020		<10.4																				
Pronamide	23950-58-5	ug/L	10/20/2021		<8							<8					<8	<8							
Pronamide	23950-58-5	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Pronamide	23950-58-5	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Pronamide	23950-58-5	ug/L	4/24/2025													<10.4									
Pronamide	23950-58-5	ug/L	5/5/2025						<10.2																

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Pronamide	23950-58-5	ug/L	5/6/2025										<10.4		<10.6										
Pronamide	23950-58-5	ug/L	5/7/2025				<10.2													<10.6					
Pronamide	23950-58-5	ug/L	5/8/2025			<9.80		<10.6																	
Propionitrile	107-12-0	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Propionitrile	107-12-0	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Propionitrile	107-12-0	ug/L	4/4/2011									<10					<10	<20							
Propionitrile	107-12-0	ug/L	10/11/2012								<10														
Propionitrile	107-12-0	ug/L	7/10/2013																		<10	<10	<10	<10	<10
Propionitrile	107-12-0	ug/L	10/5/2015	<10		<10	<10	<10	<10				<10	<10	<10	<10			<10	<10					
Propionitrile	107-12-0	ug/L	4/4/2016									<10					<10	<10							
Propionitrile	107-12-0	ug/L	5/1/2018																		<10	<10			
Propionitrile	107-12-0	ug/L	5/2/2018																				<10	<10	<10
Propionitrile	107-12-0	ug/L	3/30/2020	<10		<10	<10	<10	<10				<10	<10	<10	<10			<10	<10					
Propionitrile	107-12-0	ug/L	6/24/2020		<10																				
Propionitrile	107-12-0	ug/L	10/20/2021		<10							<10					<10	<10							
Propionitrile	107-12-0	ug/L	5/1/2023																		<10	<10	<10	<10	<10
Propionitrile	107-12-0	ug/L	4/23/2025	<10.0										<10.0					<10.0						
Propionitrile	107-12-0	ug/L	4/24/2025													<10.0									
Propionitrile	107-12-0	ug/L	5/5/2025						<10.0																
Propionitrile	107-12-0	ug/L	5/6/2025										<10.0		<10.0										
Propionitrile	107-12-0	ug/L	5/7/2025				<10.0													<10.0					
Propionitrile	107-12-0	ug/L	5/8/2025			<10.0		<10.0																	
Pyrene	129-00-0	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Pyrene	129-00-0	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Pyrene	129-00-0	ug/L	4/4/2011									<10					<10	<10							
Pyrene	129-00-0	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Pyrene	129-00-0	ug/L	6/2/2014																					<10.1	
Pyrene	129-00-0	ug/L	10/15/2014																					<10	
Pyrene	129-00-0	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Pyrene	129-00-0	ug/L	4/4/2016									<10					<10	<10							
Pyrene	129-00-0	ug/L	5/1/2018																		<10.4	<10.3			
Pyrene	129-00-0	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Pyrene	129-00-0	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Pyrene	129-00-0	ug/L	6/24/2020		<10.4																				
Pyrene	129-00-0	ug/L	10/20/2021		<8							<8					<8	<8							
Pyrene	129-00-0	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Pyrene	129-00-0	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Pyrene	129-00-0	ug/L	4/24/2025													<10.4									
Pyrene	129-00-0	ug/L	5/5/2025						<10.2																
Pyrene	129-00-0	ug/L	5/6/2025										<10.4		<10.6										
Pyrene	129-00-0	ug/L	5/7/2025				<10.2													<10.6					
Pyrene	129-00-0	ug/L	5/8/2025			<9.80		<10.6																	
Safrole	94-59-7	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
Safrole	94-59-7	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
Safrole	94-59-7	ug/L	4/4/2011									<10					<10	<10							
Safrole	94-59-7	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Safrole	94-59-7	ug/L	6/2/2014																					<10.1	
Safrole	94-59-7	ug/L	10/15/2014																					<10	
Safrole	94-59-7	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Safrole	94-59-7	ug/L	4/4/2016									<10					<10	<10							
Safrole	94-59-7	ug/L	5/1/2018																		<10.4	<10.3			
Safrole	94-59-7	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Safrole	94-59-7	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Safrole	94-59-7	ug/L	6/24/2020		<10.4																				
Safrole	94-59-7	ug/L	10/20/2021		<8							<8					<8	<8							
Safrole	94-59-7	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Safrole	94-59-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Safrole	94-59-7	ug/L	4/24/2025													<10.4									
Safrole	94-59-7	ug/L	5/5/2025						<10.2																
Safrole	94-59-7	ug/L	5/6/2025										<10.4		<10.6										
Safrole	94-59-7	ug/L	5/7/2025				<10.2													<10.6					
Safrole	94-59-7	ug/L	5/8/2025			<9.80		<10.6																	
Selenium	7782-49-2	mg/L	2/27/2008	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01															
Selenium	7782-49-2	mg/L	5/12/2008	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01															
Selenium	7782-49-2	mg/L	7/13/2008	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01															
Selenium	7782-49-2	mg/L	9/14/2008	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01															
Selenium	7782-49-2	mg/L	11/17/2008	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005															
Selenium	7782-49-2	mg/L	4/14/2009	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01															
Selenium	7782-49-2	mg/L	7/7/2009										<0.01	<0.01	<0.01	<0.01			<0.01	<0.01					
Selenium	7782-49-2	mg/L	9/2/2009										<0.01	<0.01	<0.01	<0.01			<0.01	<0.01					
Selenium	7782-49-2	mg/L	10/25/2009	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01			<0.01	<0.01					
Selenium	7782-49-2	mg/L	1/2/2010										<0.01	<0.01	<0.01	<0.01			<0.01	<0.01					
Selenium	7782-49-2	mg/L	3/3/2010									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01					
Selenium	7782-49-2	mg/L	5/10/2010	<0.002		0.0026	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	0.0059	<0.002	<0.002	<0.002	<0.002					
Selenium	7782-49-2	mg/L	7/8/2010							<0.01		<0.01				<0.01	<0.01	<0.01							
Selenium	7782-49-2	mg/L	9/13/2010							<0.01		<0.01				<0.01	<0.01	<0.01							
Selenium	7782-49-2	mg/L	11/1/2010										<0.01	<0.01	<0.01	<0.01									
Selenium	7782-49-2	mg/L	1/10/2011							<0.005		<0.005				<0.005	<0.005	<0.005							
Selenium	7782-49-2	mg/L	4/4/2011									<0.005	<0.01	<0.01	<0.01	<0.01	<0.005	<0.005	<0.01						
Selenium	7782-49-2	mg/L	7/8/2011							<0.01		<0.01					<0.01	<0.01							
Selenium	7782-49-2	mg/L	8/11/2011							<0.01		<0.01					<0.01	<0.01							
Selenium	7782-49-2	mg/L	10/13/2011	<0.005		<0.005		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00892						
Selenium	7782-49-2	mg/L	12/5/2011				<0.005			<0.005										<0.005					
Selenium	7782-49-2	mg/L	4/11/2012	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005					
Selenium	7782-49-2	mg/L	6/25/2012					<0.005		<0.005															
Selenium	7782-49-2	mg/L	8/1/2012							<0.005	<0.005										<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/11/2012	<0.005		<0.005	<0.005	<0.005	<0.005		<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Selenium	7782-49-2	mg/L	12/13/2012								<0.005										<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	2/4/2013								<0.005										<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	3/30/2013	<0.005		<0.005	<0.005	<0.005	<0.005		<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	7/10/2013																		<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/7/2013	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	6/2/2014	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00159J	<0.005	<0.005	<0.005	<0.005	<0.005	0.00122J	0.0014J	0.00067J	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/15/2014	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	4/6/2015	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/5/2015	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	4/4/2016	0.000809J		0.00151J	0.000679J; <0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00155J	0.000754J	0.000746J	0.000779J	0.000732J	0.0013J	0.00118J	0.000995J	<0.005	0.00104J	0.000639J	<0.005
Selenium	7782-49-2	mg/L	10/17/2016	<0.005		0.00151J	0.00132J	0.00252J	<0.005	<0.005	0.00176J	<0.005	0.00154J	0.00149J	<0.005	<0.005	<0.005	0.000777J	0.00319J	<0.005	0.00141J	<0.005	<0.005	<0.005	0.000902J
Selenium	7782-49-2	mg/L	4/17/2017	<0.005		0.00125J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00132J	<0.005	<0.005	<0.005	<0.005	0.0015J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/11/2017	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0013J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	4/20/2018											0.00137J					0.00162J	<0.005					
Selenium	7782-49-2	mg/L	4/23/2018	<0.005								<0.005	<0.005		0.00176J	<0.005	<0.005								
Selenium	7782-49-2	mg/L	4/25/2018						<0.005		<0.005														
Selenium	7782-49-2	mg/L	4/30/2018			0.0011J; <0.005	<0.005	<0.005										<0.005							
Selenium	7782-49-2	mg/L	5/1/2018																		<0.005	<0.005			
Selenium	7782-49-2	mg/L	5/2/2018																				<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/16/2018	<0.0025		0.00137J	<0.005	<0.005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00108J	<0.0025	<0.0025	<0.0025	<0.005	0.00153J	<0.0025	0.00119J	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	4/16/2019	<0.005		0.00105J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00162J	<0.005	<0.005	<0.005	<0.005	0.0015J	<0.005	0.00108J	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/1/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00126J	<0.005	<0.005	<0.005	<0.005	0.00145J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	3/30/2020	<0.005	<0.005	0.00127J	<0.005	<0.005	0.00158J	<0.005	0.001J	<0.005	<0.005	0.00135J	<0.005	<0.005	0.00154J	<0.005	0.00182J	0.00147J	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	6/24/2020		<0.005																				
Selenium	7782-49-2	mg/L	10/7/2020	<0.005	<0.005	<0.005; 0.00114J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00216J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	1/21/2021		<0.004																				
Selenium	7782-49-2	mg/L	4/13/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.0022J	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Selenium	7782-49-2	mg/L	10/20/2021		<0.004			<0.004				<0.004					<0.004	<0.004			<0.004	<0.004	<0.004	<0.004	<0.004
Selenium	7782-49-2	mg/L	5/2/2022					<0.004		<0.004	<0.004										<0.004	<0.004	<0.004	<0.004	<0.004
Selenium	7782-49-2	mg/L	10/14/2022					<0.004													<0.004	<0.004	<0.004	<0.004	<0.004
Selenium	7782-49-2	mg/L	5/1/2023					<0.005		<0.005	<0.005										<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/16/2023					<0.005													<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	4/29/2024					<0.005		<0.005	<0.005										<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/14/2024																		0.00144J	<0.00500		<0.00500	
Selenium	7782-49-2	mg/L	10/15/2024																				<0.00500		<0.00500
Selenium	7782-49-2	mg/L	4/23/2025	<0.00500										<0.00500					<0.00500						
Selenium	7782-49-2	mg/L	4/24/2025													0.00293									
Selenium	7782-49-2	mg/L	5/5/2025						<0.00500																
Selenium	7782-49-2	mg/L	5/6/2025										<0.00500		<0.00500										
Selenium	7782-49-2	mg/L	5/7/2025				<0.00500													<0.00500	<0.00500	<0.00500	<0.00500		
Selenium	7782-49-2	mg/L	5/8/2025			<0.00500		<0.00500																	
Selenium	7782-49-2	mg/L	5/9/2025							<0.00500	<0.00500													<0.00500	<0.00500
Silver	7440-22-4	mg/L	2/27/2008	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01															
Silver	7440-22-4	mg/L	5/12/2008	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01															
Silver	7440-22-4	mg/L	7/13/2008	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01															
Silver	7440-22-4	mg/L	9/14/2008	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01															
Silver	7440-22-4	mg/L	11/17/2008	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02															
Silver	7440-22-4	mg/L	4/14/2009	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01															
Silver	7440-22-4	mg/L	7/7/2009							<0.01			<0.01	<0.01	<0.01	<0.01			<0.01	<0.01					
Silver	7440-22-4	mg/L	9/2/2009							<0.01			<0.01	<0.01	<0.01	<0.01			<0.01	<0.01					
Silver	7440-22-4	mg/L	10/25/2009	<0.025		<0.025	<0.025	<0.025	<0.025	<0.025			<0.025	<0.025	<0.025	<0.025			<0.025	<0.025					
Silver	7440-22-4	mg/L	1/2/2010							<0.025			<0.025	<0.025	<0.025	<0.025			<0.025	<0.025					
Silver	7440-22-4	mg/L	3/3/2010									<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025					
Silver	7440-22-4	mg/L	5/10/2010	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02					
Silver	7440-22-4	mg/L	7/8/2010									<0.025					<0.025	<0.025							
Silver	7440-22-4	mg/L	9/13/2010									<0.025					<0.025	<0.025							
Silver	7440-22-4	mg/L	11/1/2010										<0.025	<0.025	<0.025	<0.025									
Silver	7440-22-4	mg/L	1/10/2011									<0.02					<0.02	<0.02							
Silver	7440-22-4	mg/L	4/4/2011									<0.02	<0.025	<0.025	<0.025	<0.025	<0.02	<0.02	<0.025						
Silver	7440-22-4	mg/L	7/8/2011							<0.025		<0.025					<0.025	<0.025							
Silver	7440-22-4	mg/L	8/11/2011							<0.025		<0.025					<0.025	<0.025							
Silver	7440-22-4	mg/L	10/13/2011	<0.06		<0.02		<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02						
Silver	7440-22-4	mg/L	12/5/2011				<0.02													<0.02					
Silver	7440-22-4	mg/L	4/11/2012	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02					
Silver	7440-22-4	mg/L	6/25/2012				<0.02			<0.02															
Silver	7440-22-4	mg/L	8/1/2012							<0.02	<0.02										<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	10/11/2012	<0.02		<0.02	<0.02	<0.02	<0.02		<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	12/13/2012								<0.02										<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	2/4/2013								<0.02										<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	3/30/2013	<0.02		<0.02	<0.02	<0.02	<0.02		<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	7/10/2013																		<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	10/7/2013	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	6/2/2014	<0.02		<0.04	<0.02	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	<0.02
Silver	7440-22-4	mg/L	10/15/2014	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.00299J	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	4/6/2015	<0.001		0.000067J; <0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000062J	<0.001	<0.001	<0.001	0.000061J	<0.001	<0.001	<0.001	<0.001	0.000071J	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/5/2015	<0.001		<0.001	0.000047J	0.000134J	0.000121J	0.000132J	<0.001	<0.001	0.000124J	<0.001	<0.001	<0.001	<0.001	<0.001	0.000138J	<0.001	<0.001	0.000114J; <0.001	0.000131J	<0.001	0.000121J
Silver	7440-22-4	mg/L	4/4/2016	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000166J	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/17/2016	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000176J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	4/17/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	0.000141J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/11/2017	0.000179J		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000141J	0.000224J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	4/20/2018											<0.001					<0.001	<0.001					
Silver	7440-22-4	mg/L	4/23/2018	<0.001								<0.001	<0.001		<0.001	<0.001	<0.001								
Silver	7440-22-4	mg/L	4/25/2018						<0.001		<0.001														
Silver	7440-22-4	mg/L	4/30/2018			<0.001	<0.001	<0.001										<0.001							
Silver	7440-22-4	mg/L	5/1/2018																		<0.001	<0.001			
Silver	7440-22-4	mg/L	5/2/2018																				<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/16/2018	<0.0005		<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Silver	7440-22-4	mg/L	4/16/2019	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	3/30/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	6/24/2020		<0.001																				
Silver	7440-22-4	mg/L	10/7/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	1/21/2021		<0.004																				
Silver	7440-22-4	mg/L	4/13/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	7440-22-4	mg/L	10/20/2021		<0.004			<0.004				<0.004					<0.004	<0.004			<0.004	<0.004	<0.004	<0.004	<0.004
Silver	7440-22-4	mg/L	5/2/2022					<0.004		<0.004	<0.004										<0.004	<0.004	<0.004	<0.004	<0.004
Silver	7440-22-4	mg/L	10/14/2022					<0.004													<0.004	<0.004	<0.004	<0.004	<0.004
Silver	7440-22-4	mg/L	5/1/2023					<0.001		<0.001	<0.001										<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/16/2023					<0.001													<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	4/29/2024					<0.001		<0.001	<0.001										<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/14/2024																		<0.00100	<0.00100		<0.00100	
Silver	7440-22-4	mg/L	10/15/2024																				<0.00100		<0.00100
Silver	7440-22-4	mg/L	4/23/2025	<0.00100										<0.00100					<0.00100						
Silver	7440-22-4	mg/L	4/24/2025													<0.00100									
Silver	7440-22-4	mg/L	5/5/2025						<0.00100																
Silver	7440-22-4	mg/L	5/6/2025										<0.00100		<0.00100										
Silver	7440-22-4	mg/L	5/7/2025				<0.00100													<0.00100	<0.00100	<0.00100	<0.00100		
Silver	7440-22-4	mg/L	5/8/2025			<0.00100		<0.00100																	
Silver	7440-22-4	mg/L	5/9/2025							<0.00100	<0.00100													<0.00100	<0.00100
Silvex (2,4,5-TP)	93-72-1	ug/L	4/23/2025	<0.0538										<0.0553					<0.0559						
Silvex (2,4,5-TP)	93-72-1	ug/L	4/24/2025													<0.0536									
Silvex (2,4,5-TP)	93-72-1	ug/L	5/5/2025						0.0724																
Silvex (2,4,5-TP)	93-72-1	ug/L	5/6/2025										<0.0556		<0.0539										
Silvex (2,4,5-TP)	93-72-1	ug/L	5/7/2025				<0.0571													<0.0526					
Silvex (2,4,5-TP)	93-72-1	ug/L	5/8/2025			<0.0532		<0.0546																	
Sodium	7440-23-5	mg/L	6/2/2014	9.72		8.87	9.11	16.4	13.3	8.19	6.91	11.3	8.45	13.9	6.2	53.3	57.5	9.69	8.64	43.6	16.4	6.57	8.24	17.2	25.2
Sodium	7440-23-5	mg/L	10/15/2014	8.17		7.88	7.86	17.8	9.47	7.51	6.71	10.6	7.79	15.9	7.34	45.6	36.2	8.67	8.95	32.5	14.7	5.79	8.19	16.8	23.8
Styrene	100-42-5	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
Styrene	100-42-5	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
Styrene	100-42-5	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
Styrene	100-42-5	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
Styrene	100-42-5	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
Styrene	100-42-5	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
Styrene	100-42-5	ug/L	7/7/2009										<1	<1	<1	<1			<1	<1					
Styrene	100-42-5	ug/L	9/2/2009										<1	<1	<1	<1			<1	<1					
Styrene	100-42-5	ug/L	10/25/2009	<2		<2	<2	<2	<2	<2			<2	<2	<2	<2			<2	<2					
Styrene	100-42-5	ug/L	1/2/2010										<2	<4	<2	<4			<2	<2					
Styrene	100-42-5	ug/L	3/3/2010									<2	<2	<2	<2	<2	<2	<2	<2	<2					
Styrene	100-42-5	ug/L	5/10/2010	<4		<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4					
Styrene	100-42-5	ug/L	7/8/2010									<4					<4	<4							
Styrene	100-42-5	ug/L	9/13/2010									<1					<1	<1							
Styrene	100-42-5	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
Styrene	100-42-5	ug/L	1/10/2011									<1					<1	<1							
Styrene	100-42-5	ug/L	4/4/2011									<1					<1	<1							
Styrene	100-42-5	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
Styrene	100-42-5	ug/L	12/5/2011				<1													<1					
Styrene	100-42-5	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Styrene	100-42-5	ug/L	6/25/2012					<1		<1															
Styrene	100-42-5	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	7/10/2013																		<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/20/2018											<1					<1	<1					
Styrene	100-42-5	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
Styrene	100-42-5	ug/L	4/25/2018						<1																
Styrene	100-42-5	ug/L	4/30/2018			<1	<1	<1										<1							
Styrene	100-42-5	ug/L	5/1/2018								<1										<1	<1			
Styrene	100-42-5	ug/L	5/2/2018																				<1	<1	<1
Styrene	100-42-5	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	6/24/2020		<1																				
Styrene	100-42-5	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	1/21/2021		<1																				
Styrene	100-42-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/9/2024		<1.00								<1.00												

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Styrene	100-42-5	ug/L	10/10/2024						<1.00			<1.00													
Styrene	100-42-5	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
Styrene	100-42-5	ug/L	10/15/2024																				<1.00		<1.00
Styrene	100-42-5	ug/L	4/23/2025	<1.00										<1.00					<1.00						
Styrene	100-42-5	ug/L	4/24/2025													<1.00									
Styrene	100-42-5	ug/L	4/30/2025		<1.00							<1.00													
Styrene	100-42-5	ug/L	5/5/2025						<1.00																
Styrene	100-42-5	ug/L	5/6/2025										<1.00		<1.00										
Styrene	100-42-5	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
Styrene	100-42-5	ug/L	5/8/2025			<1.00		<1.00																	
Styrene	100-42-5	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
Sulfate	14808-79-8	mg/L	6/2/2014	17.9		16.6	25.3	69.9	28.9	6.54	34.2	43.8	58.2	20.2	18.8	11.2	71.6	51.5	13.7	267	154	22.5	26.4	35.9	42
Sulfate	14808-79-8	mg/L	10/15/2014	17.3		16.3	21.4	73.6	22.3	6.64	38.7	36.9	64.8	18.6	19	9.92	43.2	56	11.2	118	150	23.6	24.8	32.7	39.7
Sulfate	14808-79-8	mg/L	4/6/2015	17.3		17.3	17.5	72.7	27	5.54	43.7	42.5	70.4	18.6	19.2	7.08	18.3	42.2	15.1	15.1	156	22.1	23.8	25.4	34.5
Sulfate	14808-79-8	mg/L	10/5/2015	17.1		22.7	20.1	81.5	25.8	6.6	42.6	41.5	58.9	17.4	18.8	3.73J	2.63J	51.1	13.7	66.4	162	25	26	23.7	32.4
Sulfate	14808-79-8	mg/L	4/4/2016	16.2		18.3	20	325	20.6	5.96	40.3	42.1	53.6	15.4	18.2	11.1	10.2	626	14	269	143	25	25.8	22.2	30.4
Sulfate	14808-79-8	mg/L	10/17/2016	14.4		15.2	15.2	86.6	21	4.67	40.6	34.8	56.9	11.3	14.3	0.887J	<1	139	11.2	126	158	28.2	25.5	21.4	27.4
Sulfide	18496-25-8	mg/L	5/10/2010	<1		<1	<1	<1	<1	<1			<1	<1	<1	<1			<1	<1					
Sulfide	18496-25-8	mg/L	7/8/2010							<1															
Sulfide	18496-25-8	mg/L	9/13/2010							<1															
Sulfide	18496-25-8	mg/L	11/1/2010			<1				<1															
Sulfide	18496-25-8	mg/L	1/10/2011							<1															
Sulfide	18496-25-8	mg/L	4/4/2011			<1				<1		<1					<1	<1							
Sulfide	18496-25-8	mg/L	4/11/2012			<1				<1															
Sulfide	18496-25-8	mg/L	10/11/2012			<1					<1														
Sulfide	18496-25-8	mg/L	3/30/2013			<1					<1														
Sulfide	18496-25-8	mg/L	7/10/2013																		1.05	<1	<1	<1	<1
Sulfide	18496-25-8	mg/L	10/7/2013							<1	<1										2.41				
Sulfide	18496-25-8	mg/L	6/2/2014			<1				<1	<1										<1				
Sulfide	18496-25-8	mg/L	10/15/2014			<1				<1	<1										<1				
Sulfide	18496-25-8	mg/L	4/6/2015							<1	<1										<1				
Sulfide	18496-25-8	mg/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1		<1	<1	<1	<1			<1	<1	<1				
Sulfide	18496-25-8	mg/L	4/4/2016									<1					<1	<1			<1				
Sulfide	18496-25-8	mg/L	10/17/2016																		<1				
Sulfide	18496-25-8	mg/L	4/17/2017																		<1				
Sulfide	18496-25-8	mg/L	10/11/2017																		<1				
Sulfide	18496-25-8	mg/L	5/1/2018																		4.45	<1			
Sulfide	18496-25-8	mg/L	5/2/2018																				1.04	13.5	0.319J
Sulfide	18496-25-8	mg/L	10/16/2018																		<1		<1	<1	
Sulfide	18496-25-8	mg/L	4/16/2019																		<1		<1	<1	
Sulfide	18496-25-8	mg/L	10/1/2019																		<1		<1	<1	
Sulfide	18496-25-8	mg/L	3/30/2020	<1		<1	<1	<1	<1				<1	<1	<1	<1			<1	0.338J	<1		<1	<1	
Sulfide	18496-25-8	mg/L	6/24/2020		3.43																				
Sulfide	18496-25-8	mg/L	10/7/2020		<10																<10		<10	<10	
Sulfide	18496-25-8	mg/L	1/21/2021		<0.1						<0.1														
Sulfide	18496-25-8	mg/L	4/13/2021		<0.1																<0.1		<0.1		
Sulfide	18496-25-8	mg/L	10/20/2021		<0.1							<0.1					0.037J	<0.1			<0.1		<0.1	<0.1	
Sulfide	18496-25-8	mg/L	5/2/2022		<0.1																<0.1		<0.1	<0.1	
Sulfide	18496-25-8	mg/L	10/14/2022		<0.1																<0.1		<0.1	<0.1	
Sulfide	18496-25-8	mg/L	5/1/2023		<1																<1	<1	0.291J	<1	<1
Sulfide	18496-25-8	mg/L	10/16/2023		0.305J																<1		<1	<1	
Sulfide	18496-25-8	mg/L	4/29/2024		<1																<1		<1	<1	
Sulfide	18496-25-8	mg/L	10/9/2024		<1.00																				
Sulfide	18496-25-8	mg/L	4/23/2025	<1.00										<1.00					<1.00						
Sulfide	18496-25-8	mg/L	4/24/2025													<1.00									
Sulfide	18496-25-8	mg/L	4/30/2025		<1.00																				
Sulfide	18496-25-8	mg/L	5/5/2025						<1.00																
Sulfide	18496-25-8	mg/L	5/6/2025										<1.00		<1.00										
Sulfide	18496-25-8	mg/L	5/7/2025				<1.00													<1.00					
Sulfide	18496-25-8	mg/L	5/8/2025			<1.00		<1.00																	
Tetrachloro-m-xylene	877-09-8	ug/L	4/23/2025	9.56; 10.5										8.04; 10.8					7.89; 11.0						
Tetrachloro-m-xylene	877-09-8	ug/L	4/24/2025													8.67; 8.67									
Tetrachloro-m-xylene	877-09-8	ug/L	5/5/2025						9.32; 9.32																
Tetrachloro-m-xylene	877-09-8	ug/L	5/6/2025										9.94; 9.94		11.3; 11.3										
Tetrachloro-m-xylene	877-09-8	ug/L	5/7/2025				7.73; 7.73													8.52; 8.52					
Tetrachloro-m-xylene	877-09-8	ug/L	5/8/2025			9.32; 9.32		8.23; 8.23																	
Tetrachloroethene	127-18-4	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
Tetrachloroethene	127-18-4	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
Tetrachloroethene	127-18-4	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
Tetrachloroethene	127-18-4	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
Tetrachloroethene	127-18-4	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
Tetrachloroethene	127-18-4	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
Tetrachloroethene	127-18-4	ug/L	7/7/2009							<1			1.39	<1	<1	<1			<1	<1					
Tetrachloroethene	127-18-4	ug/L	9/2/2009							<1			<1	<1	<1	<1			<1	<1					
Tetrachloroethene	127-18-4	ug/L	10/25/2009	<1		<1	<1	<1	<1	<1			<1	<1	<1	<1			<1	<1					
Tetrachloroethene	127-18-4	ug/L	1/2/2010							<1			<1	<1	<1	<1			<1	<1					
Tetrachloroethene	127-18-4	ug/L	3/3/2010									<2	<2	<2	<2	<2	<2	<2	<2	<2					
Tetrachloroethene	127-18-4	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Tetrachloroethene	127-18-4	ug/L	7/8/2010							<1		<1					<1	<1							
Tetrachloroethene	127-18-4	ug/L	9/13/2010							<1		<1					<1	<1							
Tetrachloroethene	127-18-4	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
Tetrachloroethene	127-18-4	ug/L	1/10/2011							<1		<1					<1	<1							
Tetrachloroethene	127-18-4	ug/L	4/4/2011							<1		<1					<1	<1							
Tetrachloroethene	127-18-4	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
Tetrachloroethene	127-18-4	ug/L	12/5/2011				<1													<1					
Tetrachloroethene	127-18-4	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Tetrachloroethene	127-18-4	ug/L	6/25/2012					<1		<1															

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Tetrachloroethene	127-18-4	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	7/10/2013																		<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	0.241J	<1	0.351J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	0.765J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	0.323J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	0.194J	<1	0.223J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	0.24J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	0.371J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/20/2018											<1					<1	<1					
Tetrachloroethene	127-18-4	ug/L	4/23/2018	<1								<1	<1		0.424J	<1	<1								
Tetrachloroethene	127-18-4	ug/L	4/25/2018						<1																
Tetrachloroethene	127-18-4	ug/L	4/30/2018			<1	<1	<1										<1							
Tetrachloroethene	127-18-4	ug/L	5/1/2018								<1										<1	<1			
Tetrachloroethene	127-18-4	ug/L	5/2/2018																				<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/1/2019	<1	7.43	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	3/30/2020	<1	4.31	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	6/24/2020		4.52																				
Tetrachloroethene	127-18-4	ug/L	10/7/2020	<1	4.21	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	1/21/2021		4.5																				
Tetrachloroethene	127-18-4	ug/L	4/13/2021	<1	5.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/20/2021		4.4			<1	<1			0.5J	<1				<1	<1			<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	5/2/2022		5.3			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/14/2022		3.6			<1	<1			<1	<1								<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	5/1/2023	<1	4.15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/16/2023		3.96			<1	<1			<1	<1								<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/29/2024		3.67			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/9/2024		3.95								<1.00												
Tetrachloroethene	127-18-4	ug/L	10/10/2024						<1.00			<1.00													
Tetrachloroethene	127-18-4	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
Tetrachloroethene	127-18-4	ug/L	10/15/2024																				<1.00		<1.00
Tetrachloroethene	127-18-4	ug/L	4/23/2025	<1.00										<1.00					<1.00						
Tetrachloroethene	127-18-4	ug/L	4/24/2025													<1.00									
Tetrachloroethene	127-18-4	ug/L	4/30/2025		4.22							<1.00													
Tetrachloroethene	127-18-4	ug/L	5/5/2025						<1.00																
Tetrachloroethene	127-18-4	ug/L	5/6/2025										<1.00		<1.00										
Tetrachloroethene	127-18-4	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
Tetrachloroethene	127-18-4	ug/L	5/8/2025			<1.00		<1.00																	
Tetrachloroethene	127-18-4	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
Thallium	7440-28-0	mg/L	2/27/2008	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002															
Thallium	7440-28-0	mg/L	5/12/2008	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002															
Thallium	7440-28-0	mg/L	7/13/2008	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002															
Thallium	7440-28-0	mg/L	9/14/2008	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002															
Thallium	7440-28-0	mg/L	11/17/2008	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002															
Thallium	7440-28-0	mg/L	4/14/2009	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002															
Thallium	7440-28-0	mg/L	7/7/2009										<0.002	<0.002	<0.002	<0.002			<0.002	<0.002					
Thallium	7440-28-0	mg/L	9/2/2009										<0.002	<0.002	<0.002	<0.002			<0.002	<0.002					
Thallium	7440-28-0	mg/L	10/25/2009	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002			<0.002	<0.002					
Thallium	7440-28-0	mg/L	1/2/2010										<0.002	<0.002	<0.002	<0.002			<0.002	<0.002					
Thallium	7440-28-0	mg/L	3/3/2010									<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002					
Thallium	7440-28-0	mg/L	5/10/2010	<0.0004		0.00073	<0.0004	<0.0004	<0.0004	<0.0004		0.00048	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004					
Thallium	7440-28-0	mg/L	7/8/2010									<0.002					<0.002	<0.002							
Thallium	7440-28-0	mg/L	9/13/2010									<0.002					<0.002	<0.002							
Thallium	7440-28-0	mg/L	11/1/2010	<0.002		<0.002		<0.002	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002									
Thallium	7440-28-0	mg/L	1/10/2011									<0.002					<0.002	<0.002							
Thallium	7440-28-0	mg/L	4/4/2011							<0.002		<0.002					<0.002	<0.002							
Thallium	7440-28-0	mg/L	7/8/2011							<0.002		<0.002													
Thallium	7440-28-0	mg/L	8/11/2011							<0.002		<0.002													
Thallium	7440-28-0	mg/L	10/13/2011	<0.002		<0.002		<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.004						
Thallium	7440-28-0	mg/L	12/5/2011				<0.002			<0.002		<0.002								<0.002					
Thallium	7440-28-0	mg/L	4/11/2012	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002					
Thallium	7440-28-0	mg/L	6/25/2012				<0.002			<0.002															
Thallium	7440-28-0	mg/L	8/1/2012							<0.002	<0.002										<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	10/11/2012	<0.002		<0.002	<0.002	<0.002	<0.002		<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	12/13/2012								<0.002										<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	2/4/2013								<0.002										<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	3/30/2013	<0.002		<0.002	<0.002	<0.002	<0.002		<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	7/10/2013																		<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	10/7/2013	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	6/2/2014	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.000706J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	10/15/2014	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	4/6/2015	<0.001		<0.001	0.000273J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/5/2015	<0.001		<0.001	0.000038J	<0.001	<0.001	<0.001	<0.001	<0.001	0.000038J	<0.001	<0.001	<0.001	<0.001	<0.001	0.000045J	<0.001	<0.001	<0.001; 0.000063J	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	4/4/2016	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000029J	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/17/2016	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000038J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	4/17/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/11/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	4/20/2018											<0.001					<0.001	<0.001					
Thallium	7440-28-0	mg/L	4/23/2018	<0.001								<0.001	<0.001		<0.001	<0.001	<0.001								

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Thallium	7440-28-0	mg/L	4/25/2018						<0.001		<0.001														
Thallium	7440-28-0	mg/L	4/30/2018			<0.001	<0.001	<0.001										<0.001							
Thallium	7440-28-0	mg/L	5/1/2018																		<0.001	<0.001			
Thallium	7440-28-0	mg/L	5/2/2018																				<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/16/2018	<0.002		<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	4/16/2019	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	3/30/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	6/24/2020		<0.001																				
Thallium	7440-28-0	mg/L	10/7/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	1/21/2021		<0.002																				
Thallium	7440-28-0	mg/L	4/13/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0002J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	10/20/2021		<0.002			<0.002				<0.002					<0.002	<0.002			<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	5/2/2022					<0.002		<0.002	<0.002										<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	10/14/2022					<0.002													<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	5/1/2023					<0.001		<0.001	<0.001										<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/16/2023					0.000733J													<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	4/29/2024					<0.001		<0.001	<0.001										<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/14/2024																		<0.00100	<0.00100		<0.00100	
Thallium	7440-28-0	mg/L	10/15/2024																				<0.00100		<0.00100
Thallium	7440-28-0	mg/L	4/23/2025	<0.00100										<0.00100					<0.00100						
Thallium	7440-28-0	mg/L	4/24/2025													<0.00100									
Thallium	7440-28-0	mg/L	5/5/2025						<0.00100																
Thallium	7440-28-0	mg/L	5/6/2025										<0.00100		<0.00100										
Thallium	7440-28-0	mg/L	5/7/2025				<0.00100													<0.00100	<0.00100	<0.00100	<0.00100		
Thallium	7440-28-0	mg/L	5/8/2025			<0.00100		<0.00100																	
Thallium	7440-28-0	mg/L	5/9/2025							<0.00100	<0.00100													<0.00100	<0.00100
Thionazin	297-97-2	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
Thionazin	297-97-2	ug/L	6/2/2014																					<10.1	
Thionazin	297-97-2	ug/L	10/15/2014																					<10	
Thionazin	297-97-2	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
Thionazin	297-97-2	ug/L	4/4/2016									<10					<10	<10							
Thionazin	297-97-2	ug/L	5/1/2018																		<10.4	<10.3			
Thionazin	297-97-2	ug/L	5/2/2018																				<10.4	<10.5	<10.4
Thionazin	297-97-2	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
Thionazin	297-97-2	ug/L	6/24/2020		<10.4																				
Thionazin	297-97-2	ug/L	10/20/2021		<0.4							<0.4					<0.4	<0.4							
Thionazin	297-97-2	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
Thionazin	297-97-2	ug/L	4/23/2025	<10.4										<10.4					<10.4						
Thionazin	297-97-2	ug/L	4/24/2025													<10.4									
Thionazin	297-97-2	ug/L	5/5/2025						<10.2																
Thionazin	297-97-2	ug/L	5/6/2025										<10.4		<10.6										
Thionazin	297-97-2	ug/L	5/7/2025				<10.2													<10.6					
Thionazin	297-97-2	ug/L	5/8/2025			<9.80		<10.6																	
Tin	7440-31-5	mg/L	4/14/2009	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1															
Tin	7440-31-5	mg/L	7/7/2009							<0.1															
Tin	7440-31-5	mg/L	9/2/2009							<0.1															
Tin	7440-31-5	mg/L	10/25/2009							<0.1															
Tin	7440-31-5	mg/L	1/2/2010							<0.1															
Tin	7440-31-5	mg/L	5/10/2010	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	<0.1	<0.1	<0.1			<0.1	<0.1					
Tin	7440-31-5	mg/L	11/1/2010							<0.1															
Tin	7440-31-5	mg/L	4/4/2011									<0.1					<0.1	<0.1							
Tin	7440-31-5	mg/L	4/11/2012							<0.1															
Tin	7440-31-5	mg/L	10/11/2012								<0.1														
Tin	7440-31-5	mg/L	3/30/2013								<0.1														
Tin	7440-31-5	mg/L	7/10/2013																		<0.1	<0.1	<0.1	<0.1	<0.1
Tin	7440-31-5	mg/L	10/5/2015	<0.005		<0.005	<0.005	<0.005	<0.005				<0.005	<0.005	<0.005	0.00314J			<0.005	<0.005					
Tin	7440-31-5	mg/L	4/4/2016									<0.005					0.00164J	<0.005							
Tin	7440-31-5	mg/L	5/1/2018																		<0.005	<0.005			
Tin	7440-31-5	mg/L	5/2/2018																				<0.005	<0.005	<0.005
Tin	7440-31-5	mg/L	3/30/2020	<0.005		<0.005	<0.005	<0.005	<0.005				<0.005	<0.005	<0.005	<0.005			<0.005	<0.005					
Tin	7440-31-5	mg/L	6/24/2020		<0.005																				
Tin	7440-31-5	mg/L	10/20/2021		<0.02							<0.02					<0.02	<0.02							
Tin	7440-31-5	mg/L	5/1/2023																		<0.005	<0.005	<0.005	<0.005	<0.005
Tin	7440-31-5	mg/L	4/23/2025	<0.00500										<0.00500					<0.00500						
Tin	7440-31-5	mg/L	4/24/2025													<0.00500									
Tin	7440-31-5	mg/L	5/5/2025						<0.00500																
Tin	7440-31-5	mg/L	5/6/2025										<0.00500		<0.00500										
Tin	7440-31-5	mg/L	5/7/2025				<0.00500													<0.00500					
Tin	7440-31-5	mg/L	5/8/2025			<0.00500		<0.00500																	
Toluene	108-88-3	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
Toluene	108-88-3	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
Toluene	108-88-3	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
Toluene	108-88-3	ug/L	9/14/2008	<1		5.07	<1	<1	<1	<1															
Toluene	108-88-3	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
Toluene	108-88-3	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
Toluene	108-88-3	ug/L	7/7/2009										<1	<1	<1	<1			<1	<1					
Toluene	108-88-3	ug/L	9/2/2009										<1	<1	<1	<1			<1	<1					
Toluene	108-88-3	ug/L	10/25/2009	<1		<1	<1	<1	<1	<1			<1	<1	<1	<1			<1	<1					
Toluene	108-88-3	ug/L	1/2/2010										<1	<1	<1	<1			<1	<1					
Toluene	108-88-3	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
Toluene	108-88-3	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Toluene	108-88-3	ug/L	7/8/2010							<1		<1					<1	<1							
Toluene	108-88-3	ug/L	9/13/2010							<1		<1					<1	<1							
Toluene	108-88-3	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
Toluene	108-88-3	ug/L	1/10/2011							<1		<1					<1	<1							
Toluene	108-88-3	ug/L	4/4/2011							<1		<1					<1	<1							

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Toluene	108-88-3	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
Toluene	108-88-3	ug/L	12/5/2011				<1													<1					
Toluene	108-88-3	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Toluene	108-88-3	ug/L	6/25/2012					<1		<1															
Toluene	108-88-3	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	7/10/2013																		<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.231J	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.284J	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	4/20/2018											<1					<1	<1					
Toluene	108-88-3	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
Toluene	108-88-3	ug/L	4/25/2018						<1																
Toluene	108-88-3	ug/L	4/30/2018			<1	<1	<1										<1							
Toluene	108-88-3	ug/L	5/1/2018								<1										<1	<1			
Toluene	108-88-3	ug/L	5/2/2018																				<1	<1	<1
Toluene	108-88-3	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	6/24/2020		<1																				
Toluene	108-88-3	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.67	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	1/21/2021		<1																				
Toluene	108-88-3	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/20/2021		<1			<1	<1			<1	0.3J				<1	<1			<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/9/2024		<1.00								<1.00												
Toluene	108-88-3	ug/L	10/10/2024						<1.00			<1.00													
Toluene	108-88-3	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
Toluene	108-88-3	ug/L	10/15/2024																				<1.00		<1.00
Toluene	108-88-3	ug/L	4/23/2025	<1.00										<1.00					<1.00						
Toluene	108-88-3	ug/L	4/24/2025													<1.00									
Toluene	108-88-3	ug/L	4/30/2025		<1.00							<1.00													
Toluene	108-88-3	ug/L	5/5/2025						<1.00																
Toluene	108-88-3	ug/L	5/6/2025										<1.00		<1.00										
Toluene	108-88-3	ug/L	4/24/2025													<1.00									
Toluene	108-88-3	ug/L	4/30/2025		<1.00							<1.00													
Toluene	108-88-3	ug/L	5/5/2025						<1.00																
Toluene	108-88-3	ug/L	5/6/2025										<1.00		<1.00										
Toluene	108-88-3	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
Toluene	108-88-3	ug/L	5/8/2025			<1.00		<1.00																	
Toluene	108-88-3	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
Total Organic Carbon	TOC	mg/L	4/6/2015	0.48J		<1	2.09	0.618J	0.999J	0.514J	1.17	0.528J	2.38	0.562J	<1	8.48	12.6	1.38	0.538J	1.5	1.97	<1	0.487J	0.474J	0.674J
Total Organic Carbon	TOC	mg/L	10/5/2015	0.615J		<1	1.8	0.607J	1.09	0.553J	1.01	0.556J	1.95	0.478J	0.444J	12.9	16.3	1.19	<1	1.02	2.29	<1	0.5J	0.408J	0.964J
Total Organic Carbon	TOC	mg/L	4/4/2016	<1		<1	3.23	0.66J	0.615J	<1	0.873J	<2	1.32	<1	<1	6.27	12.4	2.59	<1	2.24	1.86	<1	<1	<1	0.569J
Total Organic Carbon	TOC	mg/L	10/17/2016	0.68J		<1	1.88	0.744J	0.687J	<1	0.795J	0.595J	1.74	<1	1.11	7.82	7.45	2.28	<1	1.83	1.77	<1	<1	<1	<1
Total Suspended Solids	STL00161	mg/L	10/9/2024		<1.88								12.4												
Total Suspended Solids	STL00161	mg/L	10/10/2024						5.88			9.38													
Total Suspended Solids	STL00161	mg/L	10/14/2024																		6.00	<1.88		<1.88	
Total Suspended Solids	STL00161	mg/L	10/15/2024				20.0																<1.88		<1.88
Total Suspended Solids	STL00161	mg/L	4/23/2025	<1.88										<1.88					7.50						
Total Suspended Solids	STL00161	mg/L	4/24/2025													5.33	23.0								
Total Suspended Solids	STL00161	mg/L	4/30/2025		<1.88							2.13													
Total Suspended Solids	STL00161	mg/L	5/5/2025						2.13																
Total Suspended Solids	STL00161	mg/L	5/6/2025										<1.88		1.88										
Total Suspended Solids	STL00161	mg/L	5/7/2025				45.5													64.5	2.75	<1.88	<1.88		
Total Suspended Solids	STL00161	mg/L	5/8/2025			9.75		2.00																	
Total Suspended Solids	STL00161	mg/L	5/9/2025							<1.88	<1.88							5.75						2.88	<1.88
Total Suspended Solids	TSS	mg/L	6/2/2014	<5		20.7	16.5	<5	<5	4.67J	4.67J	<5	27	<5	<5	9	510	28.5	244	14	42.7	<5	4J	18.3	8.67
Total Suspended Solids	TSS	mg/L	10/15/2014	<1.88		1.63J	37.7	<1.88	<1.88	2.88	<1.88	1.75J	20.8	482	<1.88	15	47.3	<1.88	71.7	15	16.5	<1.88	<1.88	<1.88	<1.88
Total Suspended Solids	TSS	mg/L	4/6/2015	<2.5		1.25J	40	<1.88	<2.5	1.38J	6.17	<2.5	22.8	<2.5	3.83	7.4	43	2.25	313	29	15	<2.5	<2.5	<2.5	<2.5
Total Suspended Solids	TSS	mg/L	10/5/2015	<1.88		1.25J	14.9	<1.88	2.13	10.8	1.25J	1.75J	82.8	2.13	2.38	22.8	36.8	8.13	227	76.2	3.25	<1.88	3.67J	<1.88	2.38
Total Suspended Solids	TSS	mg/L	4/4/2016	<1.88		1.25J	26.6; 29.4	0.875J	1.13J	2	3.75	1.13J	4.38	2.38	0.875J	7.13	57	3.25	34.8	157	13.9	0.875J	1.25J	<1.88	1.25J
Total Suspended Solids	TSS	mg/L	10/11/2016										7.38						4.88	8					
Total Suspended Solids	TSS	mg/L	10/17/2016	0.875J		5.5	17	2.38	0.75J	4.75	15	25.1	8.12	2.13	0.75J	23.9	48.9	10.4	7.25	7.5	3.63	<1.88	<1.88	0.75J	1.75J
Total Suspended Solids	TSS	mg/L	11/14/2016										5.5						34.3	49.7					
Total Suspended Solids	TSS	mg/L	4/17/2017	<1.88		1.88	30.4	<1.88	0.75J	1.13J	2	3.25	0.75J	4.62	2.63	16	47.1	22.1	15.9	5	4.75	0.875J	<1.88	0.875J	<1.88
Total Suspended Solids	TSS	mg/L	10/11/2017	<1.88		2.63	10.9	<1.88	1.88	5.63	1J	1.25J	31.3	4.38	1.25J	40.9	66	8.37	3.38	7.5	3.5	0.75J	<1.88	0.875J	0.625J
Total Suspended Solids	TSS	mg/L	4/20/2018											0.875J					2	25.7					
Total Suspended Solids	TSS	mg/L	4/23/2018	<1.88								2.5	14.5		1.25J	10.1	45.9								
Total Suspended Solids	TSS	mg/L	4/25/2018						0.75J																
Total Suspended Solids	TSS	mg/L	4/30/2018			1.25J; 1.13J	5.88	<1.88										4.13							
Total Suspended Solids	TSS	mg/L	5/1/2018								2.88										2.5	1J			
Total Suspended Solids	TSS	mg/L	5/2/2018																				1.13J	0.75J	<1.88
Total Suspended Solids	TSS	mg/L	10/16/2018	0.75J		14.5	21.9	1.75J	1.25J	2.13	2.5	45	1.38J	0.875J	1.63J	4.5	33	8.75	2.38	28.6	3.38	3.25	<1.88	<1.88	2; 0.875J
Total Suspended Solids	TSS	mg/L	4/16/2019	1.25J		2.5	32	<1.88	1.25J	2.5	2.25	32.8	7.25	1.75J	<1.88	7	39	31.3	16.1	93	22	1J	1.38J	1.63J	<1.88
Total Suspended Solids	TSS	mg/L	10/1/2019	0.75J	0.875J	3	9.75	<1.88	1.25J	<1.88	0.75J	3.13	1.25J	2.38	10.6	6.25	44	17.3	8.75	341	26.8	1.63J	2.63	0.75J	0.75J
Total Suspended Solids	TSS	mg/L	3/30/2020	<1.88	<1.88	1.25J	26.5	<1.88	2.25J	1J	1.88	6.75	92.7	<1.88	<1.88	2.25	38	88	6.63	134	20.4	1.63J; 1.5J	1.88	0.75J	<1.88

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Total Suspended Solids	TSS	mg/L	6/24/2020		<1.88																				
Total Suspended Solids	TSS	mg/L	10/7/2020	<1.88	<1.88	2.88; 1.13J	8.25	1.38J	2.13	1J	2.13	70.8	10.8	<1.88	<1.88	22	38	25	5.88	131	5.5	1.63J	<1.88	<1.88	<1.88
Total Suspended Solids	TSS	mg/L	1/21/2021		<2																				
Total Suspended Solids	TSS	mg/L	4/13/2021	<2	<2	5	34	<2	4; <2	<2	2	2	3	<2	<2	<2	47	18	5	76	4	<2	<2	<2	<2
Total Suspended Solids	TSS	mg/L	10/20/2021		<2			16; 3	2			3	2				47	4			25	<1	3	5	69
Total Suspended Solids	TSS	mg/L	5/2/2022	4	<2	7	38	<2	2	2	19	3	<2	<3	<2	6	49	21	366	164	8	4	<2	<2	<2; 2
Total Suspended Solids	TSS	mg/L	10/14/2022		<2		17	2; <2	<2			14	4								20	10	<2	<2	<2
Total Suspended Solids	TSS	mg/L	5/1/2023	1.5J	0.875J	14.4	29.5	4	0.875J; 1.75J	1.63J	3.13	4.25	17.1	0.875J	1.13J	12.5	38	10.4	36.8	173	7.75	6.5	1.13J	<1.88	3.13
Total Suspended Solids	TSS	mg/L	10/16/2023		<1.88		10.5	3	2.63			9.87	11.8								11	12.3; 11.4	1.13J	1J	5.13
Total Suspended Solids	TSS	mg/L	4/29/2024	<1.88	<1.88	6.38	10.9	<1.88	<1.88	<1.88	4.13	3.87	2.38	<1.88	1.75J	5.25	31.5	11.4	590	75	6.38	1.63J	<1.88	17.1	3.13; 2
Toxaphene	8001-35-2	ug/L	4/14/2009	<2		<2	<2	<2	<2	<2															
Toxaphene	8001-35-2	ug/L	9/2/2009							<2															
Toxaphene	8001-35-2	ug/L	10/25/2009							<2															
Toxaphene	8001-35-2	ug/L	1/2/2010							<2															
Toxaphene	8001-35-2	ug/L	5/10/2010	<2		<2	<2	<2	<2	<2			<2	<2	<2	<2			<2	<2					
Toxaphene	8001-35-2	ug/L	11/1/2010							<2															
Toxaphene	8001-35-2	ug/L	4/4/2011							<2		<2					<2	<2							
Toxaphene	8001-35-2	ug/L	10/11/2012								<2														
Toxaphene	8001-35-2	ug/L	7/10/2013																		<2.04	<2.02	<2.02	<2.17	<2.17
Toxaphene	8001-35-2	ug/L	10/5/2015	<2.04		<2.11	<2	<2.04	<2.02				<2.08	<2.02	<2	<2.06			<2.17	<2.02					
Toxaphene	8001-35-2	ug/L	4/4/2016									<2					<2	<2							
Toxaphene	8001-35-2	ug/L	5/1/2018																		<2.08	<2.02			
Toxaphene	8001-35-2	ug/L	5/2/2018																				<2.11	<2.11	<2.08
Toxaphene	8001-35-2	ug/L	3/30/2020	<2.08		<2.11	<2.08	<2.15	<2.11				<2.11	<2.08	<2.08	<2.08			<2.06	<2.06					
Toxaphene	8001-35-2	ug/L	6/24/2020		<2.11																				
Toxaphene	8001-35-2	ug/L	10/20/2021		<0.2							<0.2					<0.2	<0.2							
Toxaphene	8001-35-2	ug/L	5/1/2023																		<2	<2.33	<2.22	<2	<2
Toxaphene	8001-35-2	ug/L	4/23/2025	<1.82										<1.79					<1.81						
Toxaphene	8001-35-2	ug/L	4/24/2025													<1.84									
Toxaphene	8001-35-2	ug/L	5/5/2025						<1.79																
Toxaphene	8001-35-2	ug/L	5/6/2025										<1.81		<1.80										
Toxaphene	8001-35-2	ug/L	5/7/2025				<1.81													<1.81					
Toxaphene	8001-35-2	ug/L	5/8/2025			<1.76		<1.81																	
Trichloroethene	79-01-6	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
Trichloroethene	79-01-6	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
Trichloroethene	79-01-6	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
Trichloroethene	79-01-6	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
Trichloroethene	79-01-6	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
Trichloroethene	79-01-6	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
Trichloroethene	79-01-6	ug/L	7/7/2009							<1			5.11	<1	<1	<1			<1	<1					
Trichloroethene	79-01-6	ug/L	9/2/2009							<1			2.47	<1	<1	<1			<1	<1					
Trichloroethene	79-01-6	ug/L	10/25/2009	<1		<1	<1	<1	<1	<1			<1	<1	<1	<1			<1	<1					
Trichloroethene	79-01-6	ug/L	1/2/2010							<1			<1	<1	<1	<1			<1	<1					
Trichloroethene	79-01-6	ug/L	3/3/2010									<1	2.36	<1	<1	<1	<1	<1	<1	<1					
Trichloroethene	79-01-6	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Trichloroethene	79-01-6	ug/L	7/8/2010							<1		<1					<1	<1							
Trichloroethene	79-01-6	ug/L	9/13/2010							<1		<1					<1	<1							
Trichloroethene	79-01-6	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
Trichloroethene	79-01-6	ug/L	1/10/2011							<1		<1					<1	<1							
Trichloroethene	79-01-6	ug/L	4/4/2011							<1		<1					<1	<1							
Trichloroethene	79-01-6	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
Trichloroethene	79-01-6	ug/L	12/5/2011				<1													<1					
Trichloroethene	79-01-6	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Trichloroethene	79-01-6	ug/L	6/25/2012					<1		<1															
Trichloroethene	79-01-6	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	7/10/2013																		<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	1.47	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	0.828J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	0.411J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	0.724J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	0.301J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/20/2018											<1					<1	<1					
Trichloroethene	79-01-6	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
Trichloroethene	79-01-6	ug/L	4/25/2018						<1																
Trichloroethene	79-01-6	ug/L	4/30/2018			<1	<1	<1										<1							
Trichloroethene	79-01-6	ug/L	5/1/2018								<1										<1	<1			
Trichloroethene	79-01-6	ug/L	5/2/2018																				<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/1/2019	<1	5.08	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	3/30/2020	<1	2.41	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	6/24/2020		2.01																				
Trichloroethene	79-01-6	ug/L	10/7/2020	<1	1.83	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	1/21/2021		1.9																				
Trichloroethene	79-01-6	ug/L	4/13/2021	<1	2.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/20/2021		1.6			<1	<1			0.4J	<1				0.4J	<1			<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	5/2/2022		1.9			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/14/2022		1.3			<1	<1			<1	<1								<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	5/1/2023	<1	1.44	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Trichloroethene	79-01-6	ug/L	10/16/2023		1.34			<1	<1			<1	<1								<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/29/2024		1.3			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/9/2024		1.10								<1.00												
Trichloroethene	79-01-6	ug/L	10/10/2024						<1.00			<1.00													
Trichloroethene	79-01-6	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
Trichloroethene	79-01-6	ug/L	10/15/2024																				<1.00		<1.00
Trichloroethene	79-01-6	ug/L	4/23/2025	<1.00										<1.00					<1.00						
Trichloroethene	79-01-6	ug/L	4/24/2025													<1.00									
Trichloroethene	79-01-6	ug/L	4/30/2025		0.807							<1.00													
Trichloroethene	79-01-6	ug/L	5/5/2025						<1.00																
Trichloroethene	79-01-6	ug/L	5/6/2025										<1.00		<1.00										
Trichloroethene	79-01-6	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
Trichloroethene	79-01-6	ug/L	5/8/2025			<1.00		<1.00																	
Trichloroethene	79-01-6	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
Trichlorofluoromethane	75-69-4	ug/L	2/27/2008	<4		<4	<4	<4	<4	<4															
Trichlorofluoromethane	75-69-4	ug/L	5/12/2008	<4		<4	<4	<4	<4	<4															
Trichlorofluoromethane	75-69-4	ug/L	7/13/2008	<4		<4	<4	<4	<4	<4															
Trichlorofluoromethane	75-69-4	ug/L	9/14/2008	<4		<4	<4	<4	<4	<4															
Trichlorofluoromethane	75-69-4	ug/L	11/17/2008	<4		<4	<4	<4	<4	<4															
Trichlorofluoromethane	75-69-4	ug/L	4/14/2009	<4		<4	<4	<4	<4	<4															
Trichlorofluoromethane	75-69-4	ug/L	7/7/2009							<4			<4	<4	<4	<4			<4	<4					
Trichlorofluoromethane	75-69-4	ug/L	9/2/2009							<4			<4	<4	<4	<4			<4	<4					
Trichlorofluoromethane	75-69-4	ug/L	10/25/2009	<4		<4	<4	<4	<4	<4			<4	<4	<4	<4			<4	<4					
Trichlorofluoromethane	75-69-4	ug/L	1/2/2010							<4			<4	<4	<4	<4			<4	<4					
Trichlorofluoromethane	75-69-4	ug/L	3/3/2010									<4	<4	<4	<4	<4	<4	<4	<4	<4					
Trichlorofluoromethane	75-69-4	ug/L	5/10/2010	<4		<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4					
Trichlorofluoromethane	75-69-4	ug/L	7/8/2010									<4					<4	<4							
Trichlorofluoromethane	75-69-4	ug/L	9/13/2010									<4					<4	<4							
Trichlorofluoromethane	75-69-4	ug/L	11/1/2010	<4		<4		<4	<4	<4			<4	<4	<4	<4									
Trichlorofluoromethane	75-69-4	ug/L	1/10/2011									<4					<4	<4							
Trichlorofluoromethane	75-69-4	ug/L	4/4/2011							<4		<4					<4	<4							
Trichlorofluoromethane	75-69-4	ug/L	10/13/2011	<4		<4		<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4						
Trichlorofluoromethane	75-69-4	ug/L	12/5/2011				<4													<4					
Trichlorofluoromethane	75-69-4	ug/L	4/11/2012	<4		<4	<4	<4	<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4					
Trichlorofluoromethane	75-69-4	ug/L	6/25/2012					<4		<4															
Trichlorofluoromethane	75-69-4	ug/L	8/1/2012							<4	<4										<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/11/2012	<4		<4	<4	<4	<4		<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	12/13/2012								<4										<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	2/4/2013								<4										<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	3/30/2013	<4		<4	<4	<4	<4		<4	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	7/10/2013																		<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/7/2013	<4		<4			<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	6/2/2014	0.239J		<4	<4	<4	<4	<4	<4	0.217J	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/15/2014	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/6/2015	0.223J		<4	<4	<4	<4	<4	<4	0.224J	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/5/2015	0.357J		<4	<4	<4	<4	<4	<4	0.184J	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/4/2016	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/17/2016	0.218J		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/17/2017	0.379J		<4	<4	<4	<4	<4	<4	0.212J	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/11/2017	0.398J		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/20/2018											<4					<4	<4					
Trichlorofluoromethane	75-69-4	ug/L	4/23/2018	0.265J								0.228J	<4		<4	<4	<4								
Trichlorofluoromethane	75-69-4	ug/L	4/25/2018						<4																
Trichlorofluoromethane	75-69-4	ug/L	4/30/2018			<4	<4	<4										<4							
Trichlorofluoromethane	75-69-4	ug/L	5/1/2018								<4										<4	<4			
Trichlorofluoromethane	75-69-4	ug/L	5/2/2018																				<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/16/2018	0.414J		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/16/2019	<4		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/1/2019	<4	26.7	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	3/30/2020	0.396J	8.43	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	6/24/2020		8.07																				
Trichlorofluoromethane	75-69-4	ug/L	10/7/2020	<4	6.04	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	1/21/2021		6.5																				
Trichlorofluoromethane	75-69-4	ug/L	4/13/2021	0.4J	8.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	75-69-4	ug/L	10/20/2021		4.2			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Trichlorofluoromethane	75-69-4	ug/L	5/2/2022		4.3			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Trichlorofluoromethane	75-69-4	ug/L	10/14/2022		2.3			<1	<1			<1	<1								<1	<1	<1	<1	<1
Trichlorofluoromethane	75-69-4	ug/L	5/1/2023	0.396J	1.83J	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4			<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/16/2023		1.91J			<4	<4			<4	<4								<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/29/2024		2.74J			<4	<4	<4	<4	<4	<4								<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/9/2024		2.14J								<4.00												
Trichlorofluoromethane	75-69-4	ug/L	10/10/2024						<4.00			<4.00													
Trichlorofluoromethane	75-69-4	ug/L	10/14/2024																		<4.00	<4.00		<4.00	
Trichlorofluoromethane	75-69-4	ug/L	10/15/2024																				<4.00		<4.00
Trichlorofluoromethane	75-69-4	ug/L	4/23/2025	<4.00										<4.00					<4.00						
Trichlorofluoromethane	75-69-4	ug/L	4/24/2025													<4.00									
Trichlorofluoromethane	75-69-4	ug/L	4/30/2025		1.43							<4.00													
Trichlorofluoromethane	75-69-4	ug/L	5/5/2025						<4.00																
Trichlorofluoromethane	75-69-4	ug/L	5/6/2025										<4.00		<4.00										
Trichlorofluoromethane	75-69-4	ug/L	5/7/2025				<4.00													<4.00	<4.00	<4.00	<4.00		
Trichlorofluoromethane	75-69-4	ug/L	5/8/2025			<4.00		<4.00																	
Trichlorofluoromethane	75-69-4	ug/L	5/9/2025							<4.00	<4.00													<4.00	<4.00
Vanadium	7440-62-2	mg/L	2/27/2008	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05															
Vanadium	7440-62-2	mg/L	5/12/2008	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05															
Vanadium	7440-62-2	mg/L	7/13/2008	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05															
Vanadium	7440-62-2	mg/L	9/14/2008	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05															
Vanadium	7440-62-2	mg/L	11/17/2008	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05															

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Vanadium	7440-62-2	mg/L	4/14/2009	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05															
Vanadium	7440-62-2	mg/L	7/7/2009							<0.05			<0.05	<0.05	<0.05	<0.05			<0.05	<0.05					
Vanadium	7440-62-2	mg/L	9/2/2009							<0.05			<0.05	<0.05	<0.05	<0.05			<0.05	<0.05					
Vanadium	7440-62-2	mg/L	10/25/2009	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	<0.05	<0.05			<0.05	<0.05					
Vanadium	7440-62-2	mg/L	1/2/2010							<0.05			<0.05	<0.05	<0.05	<0.05			<0.05	<0.05					
Vanadium	7440-62-2	mg/L	3/3/2010									0.128	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05					
Vanadium	7440-62-2	mg/L	5/10/2010	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05					
Vanadium	7440-62-2	mg/L	7/8/2010									<0.05					<0.05	<0.05							
Vanadium	7440-62-2	mg/L	9/13/2010									<0.05					<0.05	<0.05							
Vanadium	7440-62-2	mg/L	11/1/2010	<0.05		<0.05		<0.05	<0.05	<0.05			<0.05	<0.05	<0.05	<0.05									
Vanadium	7440-62-2	mg/L	1/10/2011									<0.05					<0.05	<0.05							
Vanadium	7440-62-2	mg/L	4/4/2011							<0.05		<0.05					<0.05	<0.05							
Vanadium	7440-62-2	mg/L	10/13/2011	<0.15		<0.05		<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05						
Vanadium	7440-62-2	mg/L	12/5/2011				<0.05													<0.05					
Vanadium	7440-62-2	mg/L	4/11/2012	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05					
Vanadium	7440-62-2	mg/L	6/25/2012					<0.05		<0.05															
Vanadium	7440-62-2	mg/L	8/1/2012							<0.05	<0.05										<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	10/11/2012	<0.05		<0.05	<0.05	<0.05	<0.05		<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0974	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	12/13/2012								<0.05										0.0865	0.118	<0.05	<0.05	0.427
Vanadium	7440-62-2	mg/L	2/4/2013								<0.05										0.123	<0.05	<0.05	<0.05	0.12
Vanadium	7440-62-2	mg/L	3/30/2013	<0.05		<0.05	<0.05	<0.05	<0.05		<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0633	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	7/10/2013																		0.113	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	10/7/2013	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.154	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	6/2/2014	<0.05		<0.1	<0.05	0.00456J	<0.05	0.00299J	<0.1	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.05
Vanadium	7440-62-2	mg/L	10/15/2014	<0.05		<0.05	0.00315J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	4/6/2015	0.000902J		0.000592J; 0.00059J	0.000625J	0.000681J	<0.005	<0.005	0.00348J	0.00128J	0.000708J	0.000953J	<0.005	<0.005	0.0009J	<0.005	0.00751	0.00049J	0.00204J	0.00101J	0.00122J	0.000935J	0.000728J
Vanadium	7440-62-2	mg/L	10/5/2015	0.000659J		0.00073J	<0.005	0.000587J	<0.005	<0.005	0.0014J	0.00126J	0.00159J	0.000685J	<0.005	<0.005	0.000922J	<0.005	0.00258J	0.000608J	0.000864J	0.000915J; 0.000823J	0.00131J	0.000788J	0.000878J
Vanadium	7440-62-2	mg/L	4/4/2016	0.000754J		0.000706J	0.00101J; 0.00125J	0.000913J	0.000473J	0.000694J	0.00194J	0.00152J	0.000276J	0.000818J	0.000337J	0.000325J	0.000852J	<0.005	0.00204J	0.00155J	0.000987J	0.00104J	0.00145J	0.000952J	0.000854J
Vanadium	7440-62-2	mg/L	10/17/2016	0.000565J		<0.005	<0.005	<0.005	0.000368J	<0.005	0.000281J	0.00201J	0.0015J	0.000944J	<0.005	<0.005	0.000712J	0.000325J	0.00235J	0.000753J	0.000363J	0.000559J	0.000504J	0.000437J	0.000274J
Vanadium	7440-62-2	mg/L	4/17/2017	<0.005		0.000885J	<0.005	<0.005	<0.005	<0.005	0.00112J	0.00154J	<0.005	<0.005	<0.005	<0.005	<0.005	0.00152J	0.00721	<0.005	<0.005	<0.005	0.00104J	0.000857J	<0.005
Vanadium	7440-62-2	mg/L	10/11/2017	<0.005		<0.005	<0.005	0.000862J	<0.005	<0.005	0.00137J	0.00145J	0.00128J	<0.005	<0.005	<0.005	0.0049J	<0.005	<0.005	<0.005	0.000868J	<0.005	0.00111J	<0.005	<0.005
Vanadium	7440-62-2	mg/L	4/20/2018											0.000991J					0.000608J	0.00151J					
Vanadium	7440-62-2	mg/L	4/23/2018	0.000768J								0.00179J	0.00244J		0.000607J	<0.005	0.000601J								
Vanadium	7440-62-2	mg/L	4/25/2018						<0.005		0.00142J														
Vanadium	7440-62-2	mg/L	4/30/2018			0.000734J; 0.000786J	<0.005	0.000728J										0.000979J							
Vanadium	7440-62-2	mg/L	5/1/2018																		0.000719J	0.000699J			
Vanadium	7440-62-2	mg/L	5/2/2018																				0.0011J	0.000772J	0.000735J
Vanadium	7440-62-2	mg/L	10/16/2018	0.00253J		0.00127J	0.000887J	0.00101J	0.00268J	0.00523	0.00554	0.00528	0.00231J	0.00298J	<0.005	<0.005	0.00225J	0.00115J	0.00412J	0.00671	0.00117J	0.000804J	0.00136J	0.00107J	0.00101J; 0.00112J
Vanadium	7440-62-2	mg/L	4/16/2019	<0.005		<0.005	0.00101J	0.000959J	<0.005	<0.005	0.00168J	0.00209J	<0.005	<0.005	<0.005	<0.005	<0.005	0.00537	<0.005	0.00176J	0.00105J	<0.005	0.00127J	0.00102J	0.000951J
Vanadium	7440-62-2	mg/L	10/1/2019	<0.005	0.00159J	<0.005	<0.005	<0.005	<0.005	<0.005	0.00125J	0.00151J	<0.005	<0.005	<0.005	<0.005	<0.005	0.00189J	<0.005	0.0032J	0.00127J	0.00106J	0.0015J	0.00114J	<0.005
Vanadium	7440-62-2	mg/L	3/30/2020	<0.005	0.00101J	<0.005	<0.005	<0.005	<0.005	<0.005	0.00146J	0.00167J	0.00217J	0.00103J	<0.005	0.00114J	<0.005	0.004J	0.000821J	0.00297J	<0.005	<0.005	0.00112J	<0.005	<0.005
Vanadium	7440-62-2	mg/L	6/24/2020		<0.005																				
Vanadium	7440-62-2	mg/L	10/7/2020	<0.005	<0.005	0.00089J; <0.005	<0.005	<0.005	<0.005	<0.005	0.00131J	0.00139J	0.00151J	0.000865J	<0.005	<0.005	0.0011J	0.00206J	<0.005	0.00297J	0.000877J	0.000867J	0.00119J	<0.005	<0.005
Vanadium	7440-62-2	mg/L	1/21/2021		<0.02																				
Vanadium	7440-62-2	mg/L	4/13/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Vanadium	7440-62-2	mg/L	10/20/2021		<0.02			<0.02				<0.02					<0.02	<0.02			<0.02	<0.02	<0.02	<0.02	<0.02
Vanadium	7440-62-2	mg/L	5/2/2022					<0.02		<0.02	<0.02										<0.02	<0.02	<0.02	<0.02	<0.02
Vanadium	7440-62-2	mg/L	10/14/2022					<0.02													<0.02	<0.02	<0.02	<0.02	<0.02
Vanadium	7440-62-2	mg/L	5/1/2023					<0.005		<0.005	0.00123J										0.00135J	<0.005	0.0011J	<0.005	<0.005
Vanadium	7440-62-2	mg/L	10/16/2023					0.00226J													0.00257J	0.00442J; 0.00628	0.00325J	0.00332J	0.00356J
Vanadium	7440-62-2	mg/L	4/29/2024					<0.005		<0.005	0.00135J										<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium	7440-62-2	mg/L	10/14/2024																		<0.00500	<0.00500		<0.00500	
Vanadium	7440-62-2	mg/L	10/15/2024																				<0.00500		<0.00500
Vanadium	7440-62-2	mg/L	4/23/2025	<0.00500										<0.00500					<0.00500						
Vanadium	7440-62-2	mg/L	4/24/2025													<0.00500									
Vanadium	7440-62-2	mg/L	5/5/2025						<0.00500																
Vanadium	7440-62-2	mg/L	5/6/2025										<0.00500		<0.00500										
Vanadium	7440-62-2	mg/L	5/7/2025				<0.00500													0.00262	<0.00500	<0.00500	<0.00500		
Vanadium	7440-62-2	mg/L	5/8/2025			<0.00500		<0.00500																	
Vanadium	7440-62-2	mg/L	5/9/2025							<0.00500	<0.00500													<0.00500	<0.00500
Vinyl Acetate	108-05-4	ug/L	2/27/2008	<2		<2	<2	<2	<2	<2															
Vinyl Acetate	108-05-4	ug/L	5/12/2008	<2		<2.5	<2.5	<2.5	<2	<2.5															
Vinyl Acetate	108-05-4	ug/L	7/13/2008	<2		<2	<2	<2	<2	<2															
Vinyl Acetate	108-05-4	ug/L	9/14/2008	<2		<2	<2	<2	<2	<2															
Vinyl Acetate	108-05-4	ug/L	11/17/2008	<2		<2	<2	<2	<2	<2															
Vinyl Acetate	108-05-4	ug/L	4/14/2009	<2		<2	<2	<2	<2	<2															
Vinyl Acetate	108-05-4	ug/L	7/7/2009										<2	<2	<2	<2			<2	<2					
Vinyl Acetate	108-05-4	ug/L	9/2/2009										<2	<2	<2	<2			<2	<2					
Vinyl Acetate	108-05-4	ug/L	10/25/2009	<2		<2	<2	<2	<2	<2			<2	<2	<2	<2			<2	<2					
Vinyl Acetate	108-05-4	ug/L	1/2/2010										<2	<2	<2	<2			<2	<2					
Vinyl Acetate	108-05-4	ug/L	3/3/2010									<2	<2	<2	<2	<2	<2	<2	<2	<2					
Vinyl Acetate	108-05-4	ug/L	5/10/2010	<2		<2	<2	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2					
Vinyl Acetate	108-05-4	ug/L	7/8/2010									<2					<2	<2							
Vinyl Acetate	108-05-4	ug/L	9/13/2010									<2					<2	<2							
Vinyl Acetate	108-05-4	ug/L	11/1/2010	<2		<2		<2	<2	<5			<2	<2	<2	<2									
Vinyl Acetate	108-05-4	ug/L	1/10/2011									<2					<2	<2							
Vinyl Acetate	108-05-4	ug/L	4/4/2011									<2					<2	<2							
Vinyl Acetate	108-05-4	ug/L	10/13/2011	<10		<2		<50	<2	<10		<2	<2	<2	<10	<2	<2	<50	<50						
Vinyl Acetate	108-05-4	ug/L	12/5/2011				<2													<2					
Vinyl Acetate	108-05-4	ug/L	4/11/2012	<2		<20	<20	<20	<20	<20		<20	<20	<20	<20	<2	<2	<20	<20	<2					
Vinyl Acetate	108-05-4	ug/L	6/25/2012					<2		<2															
Vinyl Acetate	108-05-4	ug/L	8/1/2012							<4	<20										<4	<4	<4	<4	<4
Vinyl Acetate	108-05-4	ug/L	10/11/2012	<2		<10	<10	<10	<10		<10	<2		<10	<10	<2	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	12/13/2012								<2										<2	<2	<2	<2	<2
Vinyl Acetate	108-05-4	ug/L	2/4/2013								<2										<2	<2	<2	<2	<2
Vinyl Acetate	108-05-4	ug/L	3/30/2013	<2		<2	<2	<2	<2		<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Vinyl Acetate	108-05-4	ug/L	7/10/2013																		<2	<2	<2	<2	<2

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Vinyl Acetate	108-05-4	ug/L	10/7/2013	<2		<2			<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2
Vinyl Acetate	108-05-4	ug/L	6/2/2014	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Vinyl Acetate	108-05-4	ug/L	10/15/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/6/2015	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/5/2015	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/4/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/17/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/17/2017	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/11/2017	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/20/2018											<10					<10	<10					
Vinyl Acetate	108-05-4	ug/L	4/23/2018	<10								<10	<10		<10	<10	<10								
Vinyl Acetate	108-05-4	ug/L	4/25/2018						<10																
Vinyl Acetate	108-05-4	ug/L	4/30/2018			<10	<10	<10										<10							
Vinyl Acetate	108-05-4	ug/L	5/1/2018								<10										<10	<10			
Vinyl Acetate	108-05-4	ug/L	5/2/2018																				<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/16/2018	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/16/2019	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	6/24/2020		<10																				
Vinyl Acetate	108-05-4	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	1/21/2021		<5																				
Vinyl Acetate	108-05-4	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	108-05-4	ug/L	10/20/2021		<5			<5	<5			<5	<5				<5	<5			<5	<5	<5	<5	<5
Vinyl Acetate	108-05-4	ug/L	5/2/2022		<5			<5	<5	<5	<5	<5	<5								<5	<5	<5	<5	<5
Vinyl Acetate	108-05-4	ug/L	10/14/2022		<5			<5	<5			<5	<5								<5	<5	<5	<5	<5
Vinyl Acetate	108-05-4	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/16/2023		<10			<10	<10			<10	<10								<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/29/2024		<10			<10	<10	<10	<10	<10	<10								<10	<10	<10	<10	<10
Vinyl Chloride	75-01-4	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
Vinyl Chloride	75-01-4	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
Vinyl Chloride	75-01-4	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
Vinyl Chloride	75-01-4	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
Vinyl Chloride	75-01-4	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
Vinyl Chloride	75-01-4	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
Vinyl Chloride	75-01-4	ug/L	7/7/2009							<1			<1	<1	<1	<1			<1	<1					
Vinyl Chloride	75-01-4	ug/L	9/2/2009							<1			<1	<1	<1	<1			<1	<1					
Vinyl Chloride	75-01-4	ug/L	10/25/2009	<1		<1	<1	<1	<1	<1			<1	<1	<1	<1			<1	<1					
Vinyl Chloride	75-01-4	ug/L	1/2/2010							<1			<1	<1	<1	<1			<1	<1					
Vinyl Chloride	75-01-4	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
Vinyl Chloride	75-01-4	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Vinyl Chloride	75-01-4	ug/L	7/8/2010							<1		<1					<1	<1							
Vinyl Chloride	75-01-4	ug/L	9/13/2010							<1		<1					<1	<1							
Vinyl Chloride	75-01-4	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
Vinyl Chloride	75-01-4	ug/L	1/10/2011							<1		<1					<1	<1							
Vinyl Chloride	75-01-4	ug/L	4/4/2011							<1		<1					<1	<1							
Vinyl Chloride	75-01-4	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
Vinyl Chloride	75-01-4	ug/L	12/5/2011				<1													<1					
Vinyl Chloride	75-01-4	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
Vinyl Chloride	75-01-4	ug/L	6/25/2012					<1		<1															
Vinyl Chloride	75-01-4	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	7/10/2013																		<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/20/2018											<1					<1	<1					
Vinyl Chloride	75-01-4	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
Vinyl Chloride	75-01-4	ug/L	4/25/2018						<1																
Vinyl Chloride	75-01-4	ug/L	4/30/2018			<1	<1	<1										<1							
Vinyl Chloride	75-01-4	ug/L	5/1/2018								<1										<1	<1			
Vinyl Chloride	75-01-4	ug/L	5/2/2018																				<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	3/30/2020	<1	0.255J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	6/24/2020		0.313J																				
Vinyl Chloride	75-01-4	ug/L	10/7/2020	<1	0.481J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	1/21/2021		<1																				
Vinyl Chloride	75-01-4	ug/L	4/13/2021	<1	0.5J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
Vinyl acetate	108-05-4	ug/L	10/9/2024		<10.0								<10.0												
Vinyl acetate	108-05-4	ug/L	10/10/2024						<10.0			<10.0													

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Vinyl acetate	108-05-4	ug/L	10/14/2024																		<10.0	<10.0		<10.0	
Vinyl acetate	108-05-4	ug/L	10/15/2024																				<10.0		<10.0
Vinyl acetate	108-05-4	ug/L	4/23/2025	<10.0										<10.0					<10.0						
Vinyl acetate	108-05-4	ug/L	4/24/2025													<10.0									
Vinyl acetate	108-05-4	ug/L	4/30/2025		<10.0							<10.0													
Vinyl acetate	108-05-4	ug/L	5/5/2025						<10.0																
Vinyl acetate	108-05-4	ug/L	5/6/2025										<10.0		<10.0										
Vinyl acetate	108-05-4	ug/L	5/7/2025				<10.0													<10.0	<10.0	<10.0	<10.0		
Vinyl acetate	108-05-4	ug/L	5/8/2025			<10.0		<10.0																	
Vinyl acetate	108-05-4	ug/L	5/9/2025							<10.0	<10.0													<10.0	<10.0
Vinyl chloride	75-01-4	ug/L	10/9/2024		<1.00								<1.00												
Vinyl chloride	75-01-4	ug/L	10/10/2024						<1.00			<1.00													
Vinyl chloride	75-01-4	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
Vinyl chloride	75-01-4	ug/L	10/15/2024																				<1.00		<1.00
Vinyl chloride	75-01-4	ug/L	4/23/2025	<1.00										<1.00					<1.00						
Vinyl chloride	75-01-4	ug/L	4/24/2025													<1.00									
Vinyl chloride	75-01-4	ug/L	4/30/2025		<1.00							<1.00													
Vinyl chloride	75-01-4	ug/L	5/5/2025						<1.00																
Vinyl chloride	75-01-4	ug/L	5/6/2025										<1.00		<1.00										
Vinyl chloride	75-01-4	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
Vinyl chloride	75-01-4	ug/L	5/8/2025			<1.00		<1.00																	
Vinyl chloride	75-01-4	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
Xylenes, Total	1330-20-7	ug/L	2/27/2008	<3		<3	<3	<3	<3	<3															
Xylenes, Total	1330-20-7	ug/L	5/12/2008	<3		<3	<3	<3	<3	<3															
Xylenes, Total	1330-20-7	ug/L	7/13/2008	<3		<3	<3	<3	<3	<3															
Xylenes, Total	1330-20-7	ug/L	9/14/2008	<3		<3	<3	<3	<3	<3															
Xylenes, Total	1330-20-7	ug/L	11/17/2008	<3		<3	<3	<3	<3	<3															
Xylenes, Total	1330-20-7	ug/L	4/14/2009	<3		<3	<3	<3	<3	<3															
Xylenes, Total	1330-20-7	ug/L	7/7/2009										<3	<3	<3	5.98			<3	<3					
Xylenes, Total	1330-20-7	ug/L	9/2/2009										<3	<3	<3	<3			<3	<3					
Xylenes, Total	1330-20-7	ug/L	10/25/2009	<6		<3	<6	<6	<4	<3			<6	<6	<6	<4			<4	<4					
Xylenes, Total	1330-20-7	ug/L	1/2/2010										<6	<3	<6	<3			<6	<6					
Xylenes, Total	1330-20-7	ug/L	3/3/2010									<3	<3	<3	<3	<3	<3	<3	<3	<3					
Xylenes, Total	1330-20-7	ug/L	5/10/2010	<12		<12	<12	<12	<12	<12		<12	<12	<12	<12	<12	<12	<12	<12	<12					
Xylenes, Total	1330-20-7	ug/L	7/8/2010									<3					<3	<3							
Xylenes, Total	1330-20-7	ug/L	9/13/2010									<3					<3	<3							
Xylenes, Total	1330-20-7	ug/L	11/1/2010	<3		<3		<3	<3	<3			<3	<3	<3	<3									
Xylenes, Total	1330-20-7	ug/L	1/10/2011									<3					<3	<3							
Xylenes, Total	1330-20-7	ug/L	4/4/2011									<3					<3	<3							
Xylenes, Total	1330-20-7	ug/L	10/13/2011	<3		<3		<3	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3						
Xylenes, Total	1330-20-7	ug/L	12/5/2011				<3													<3					
Xylenes, Total	1330-20-7	ug/L	4/11/2012	<3		<3	<3	<3	<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3					
Xylenes, Total	1330-20-7	ug/L	6/25/2012					<3		<3															
Xylenes, Total	1330-20-7	ug/L	8/1/2012							<3	<3										<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/11/2012	<3		<3	<3	<3	<3		<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	12/13/2012								<3										<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	2/4/2013								<3										<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	3/30/2013	<3		<3	<3	<3	<3		<3	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	7/10/2013																		<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/7/2013	<3		<3			<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	6/2/2014	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	0.172J	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/15/2014	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	4/6/2015	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/5/2015	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	0.195J	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	4/4/2016	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/17/2016	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	4/17/2017	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/11/2017	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	4/20/2018											<3					<3	<3					
Xylenes, Total	1330-20-7	ug/L	4/23/2018	<3								<3	<3		<3	<3	<3								
Xylenes, Total	1330-20-7	ug/L	4/25/2018						<3																
Xylenes, Total	1330-20-7	ug/L	4/30/2018			<3	<3	<3										<3							
Xylenes, Total	1330-20-7	ug/L	5/1/2018								<3										<3	<3			
Xylenes, Total	1330-20-7	ug/L	5/2/2018																				<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/16/2018	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	4/16/2019	<3		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/1/2019	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	3/30/2020	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	6/24/2020		<3																				
Xylenes, Total	1330-20-7	ug/L	10/7/2020	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	1/21/2021		<2																				
Xylenes, Total	1330-20-7	ug/L	4/13/2021	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Xylenes, Total	1330-20-7	ug/L	10/20/2021		<2			<2	<2			<2	<2				<2	<2			<2	<2	<2	<2	<2
Xylenes, Total	1330-20-7	ug/L	5/2/2022		<2			<2	<2	<2	<2	<2	<2								<2	<2	<2	<2	<2
Xylenes, Total	1330-20-7	ug/L	10/14/2022		<2			<2	<2			<2	<2								<2	<2	<2	<2	<2
Xylenes, Total	1330-20-7	ug/L	5/1/2023	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3			<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/16/2023		<3			<3	<3			<3	<3								<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	4/29/2024		<3			<3	<3	<3	<3	<3	<3								<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/9/2024		<3.00								<3.00												
Xylenes, Total	1330-20-7	ug/L	10/10/2024						<3.00			<3.00													
Xylenes, Total	1330-20-7	ug/L	10/14/2024																		<3.00	<3.00		<3.00	
Xylenes, Total	1330-20-7	ug/L	10/15/2024																				<3.00		<3.00
Xylenes, Total	1330-20-7	ug/L	4/23/2025	<3.00										<3.00					<3.00						
Xylenes, Total	1330-20-7	ug/L	4/24/2025													<3.00									
Xylenes, Total	1330-20-7	ug/L	4/30/2025		<3.00							<3.00													
Xylenes, Total	1330-20-7	ug/L	5/5/2025						<3.00																
Xylenes, Total	1330-20-7	ug/L	5/6/2025										<3.00		<3.00										

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
Xylenes, Total	1330-20-7	ug/L	5/7/2025				<3.00													<3.00	<3.00	<3.00	<3.00		
Xylenes, Total	1330-20-7	ug/L	5/8/2025			<3.00		<3.00																	
Xylenes, Total	1330-20-7	ug/L	5/9/2025							<3.00	<3.00													<3.00	<3.00
Zinc	7440-66-6	mg/L	2/27/2008	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1															
Zinc	7440-66-6	mg/L	5/12/2008	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1															
Zinc	7440-66-6	mg/L	7/13/2008	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1															
Zinc	7440-66-6	mg/L	9/14/2008	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1															
Zinc	7440-66-6	mg/L	11/17/2008	0.022		0.0309	0.0204	<0.02	<0.02	0.0599															
Zinc	7440-66-6	mg/L	4/14/2009	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1															
Zinc	7440-66-6	mg/L	7/7/2009							<0.1			<0.1	<0.1	<0.1	<0.1			0.203; 0.518	<0.1					
Zinc	7440-66-6	mg/L	9/2/2009							<0.1			<0.1	<0.1	<0.1	<0.1			0.255	<0.1					
Zinc	7440-66-6	mg/L	10/25/2009	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1			0.103	<0.1	<0.1	<0.1			<0.1	<0.1					
Zinc	7440-66-6	mg/L	1/2/2010							<0.1			0.446	<0.1	<0.1	<0.1			<0.1	<0.1					
Zinc	7440-66-6	mg/L	3/3/2010									1.38	0.19	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					
Zinc	7440-66-6	mg/L	5/10/2010	0.0363		0.0654	0.0257	0.0225	<0.02	<0.02		0.0457	0.0377	<0.02	0.028	<0.02	<0.02	0.0283	0.506	0.0256					
Zinc	7440-66-6	mg/L	7/8/2010							<0.1		<0.1	<0.1		<0.1		<0.1	<0.1	<0.1	<0.1					
Zinc	7440-66-6	mg/L	9/13/2010							<0.1		0.11	<0.1		<0.1		<0.1	0.13	<0.1	<0.1					
Zinc	7440-66-6	mg/L	11/1/2010										0.184	<0.1	<0.1	<0.1									
Zinc	7440-66-6	mg/L	1/10/2011							0.0269		0.0507	0.0848		0.0684		0.0278	0.0584							
Zinc	7440-66-6	mg/L	4/4/2011									0.0703	0.133	<0.1	<0.1	<0.1	0.022	<0.02	0.188						
Zinc	7440-66-6	mg/L	7/8/2011							<0.1		<0.1					<0.1	<0.1							
Zinc	7440-66-6	mg/L	8/11/2011							<0.1		<0.1					<0.1	<0.1							
Zinc	7440-66-6	mg/L	10/13/2011	<0.06		<0.02		<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	0.0244	<0.02	<0.02	<0.02	0.0326						
Zinc	7440-66-6	mg/L	12/5/2011				<0.02			<0.02		<0.02					<0.02	<0.02		<0.02					
Zinc	7440-66-6	mg/L	2/6/2012							<0.02															
Zinc	7440-66-6	mg/L	4/11/2012	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02		0.0228	<0.02	<0.02	<0.02	0.0925	<0.02	<0.02	<0.02	0.0642					
Zinc	7440-66-6	mg/L	6/25/2012					<0.02		<0.02															
Zinc	7440-66-6	mg/L	8/1/2012							<0.02	0.028										0.0794	<0.02	<0.02	0.0323	0.0395
Zinc	7440-66-6	mg/L	10/11/2012	<0.02		<0.02	0.0286	<0.02	<0.02		<0.02	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.138	<0.02	0.0416	0.0319	0.0332
Zinc	7440-66-6	mg/L	12/13/2012								0.0236										0.153	0.154	0.0526	0.0643	0.54
Zinc	7440-66-6	mg/L	2/4/2013								0.0403										0.175	0.0895	0.0489	0.0515	0.17
Zinc	7440-66-6	mg/L	3/30/2013	0.0396		<0.02	0.0384	0.0252	<0.02		0.0315	0.0297		0.0616	0.0704	0.0327	0.0427	0.0391	0.0357	0.0333	0.148	<0.02	0.0297	0.0547	0.0928
Zinc	7440-66-6	mg/L	7/10/2013																		0.212	0.0207	0.0516	<0.02	0.0457
Zinc	7440-66-6	mg/L	10/7/2013	0.103		0.0924	0.109	0.122	0.0593	0.0921; 0.0447	0.18	0.0697	0.101	0.029	0.119	0.0744	0.222	0.11	0.0907; 0.1	0.1	0.158	0.285	0.0768; 0.0929	0.0827	0.0663
Zinc	7440-66-6	mg/L	6/2/2014	<0.06		<0.04	<0.02	<0.02	<0.02	<0.02	<0.04	<0.02	<0.06	<0.02	<0.04	<0.02	<0.08	<0.06	<0.06	<0.02	<0.06	<0.02	<0.04	<0.04	<0.06
Zinc	7440-66-6	mg/L	10/15/2014	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	4/6/2015	0.00991J		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00744J	<0.01	0.0343	<0.01	<0.01	<0.01	0.0234	<0.01	<0.01
Zinc	7440-66-6	mg/L	10/5/2015	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0232	<0.01	0.343	<0.01; 0.00876J	<0.01	<0.01	<0.01
Zinc	7440-66-6	mg/L	4/4/2016	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00824J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	7440-66-6	mg/L	10/17/2016	0.00757J		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00572J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	7440-66-6	mg/L	4/17/2017	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0413	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/11/2017	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0152J	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	4/20/2018											<0.02					<0.02	<0.02					
Zinc	7440-66-6	mg/L	4/23/2018	<0.02								<0.02	<0.02		<0.02	<0.02	<0.02								
Zinc	7440-66-6	mg/L	4/25/2018						<0.02		<0.02														
Zinc	7440-66-6	mg/L	4/30/2018			<0.02	<0.02	<0.02										<0.02							
Zinc	7440-66-6	mg/L	5/1/2018																		<0.02	<0.02			
Zinc	7440-66-6	mg/L	5/2/2018																				<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/16/2018	0.00845J		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.00776J	<0.02	<0.02	<0.02	0.171	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	4/16/2019	<0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/1/2019	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0119J	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	3/30/2020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.317	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0253	<0.02	<0.02
Zinc	7440-66-6	mg/L	6/24/2020		<0.02																				
Zinc	7440-66-6	mg/L	10/7/2020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	1/21/2021		<0.02																				
Zinc	7440-66-6	mg/L	4/13/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/20/2021		<0.02			<0.02				<0.02					<0.02	<0.02			<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	5/2/2022					<0.02		<0.02	<0.02										<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/14/2022					<0.02													<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	5/1/2023					<0.02		<0.02	<0.02										<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/16/2023					<0.02													<0.02	0.008J; <0.02	0.0139J	<0.02	<0.02
Zinc	7440-66-6	mg/L	4/29/2024					<0.02		<0.02	<0.02										<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/14/2024																		<0.0200	<0.0200		<0.0200	
Zinc	7440-66-6	mg/L	10/15/2024																				<0.0200		<0.0200
Zinc	7440-66-6	mg/L	4/23/2025	<0.0200										<0.0200					<0.0200						
Zinc	7440-66-6	mg/L	4/24/2025													<0.0200									
Zinc	7440-66-6	mg/L	5/5/2025						<0.0200																
Zinc	7440-66-6	mg/L	5/6/2025										<0.0200		<0.0200										
Zinc	7440-66-6	mg/L	5/7/2025				<0.0200													<0.0200	<0.0200	<0.0200	<0.0200		
Zinc	7440-66-6	mg/L	5/8/2025			<0.0200		<0.0200																	
Zinc	7440-66-6	mg/L	5/9/2025							<0.0200	<0.0200													<0.0200	<0.0200
alpha-BHC	319-84-6	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
alpha-BHC	319-84-6	ug/L	4/24/2025													<0.0921									
alpha-BHC	319-84-6	ug/L	5/5/2025						<0.0895																
alpha-BHC	319-84-6	ug/L	5/6/2025										<0.0907		<0.0902										
alpha-BHC	319-84-6	ug/L	5/7/2025				<0.0907													<0.0904					
alpha-BHC	319-84-6	ug/L	5/8/2025			<0.0882		<0.0904																	
beta-BHC	319-85-7	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
beta-BHC	319-85-7	ug/L	4/24/2025													<0.0921									
beta-BHC	319-85-7	ug/L	5/5/2025						<0.0895																
beta-BHC	319-85-7	ug/L	5/6/2025										<0.0907		<0.0902										
beta-BHC	319-85-7	ug/L	5/7/2025				<0.0907													<0.0904					
beta-BHC	319-85-7	ug/L	5/8/2025			<0.0882		<0.0904																	
bis (2-chloroisopropyl) ether	108-60-1	ug/L	4/23/2025	<10.4										<10.4					<10.4						
bis (2-chloroisopropyl) ether	108-60-1	ug/L	4/24/2025													<10.4									
bis (2-chloroisopropyl) ether	108-60-1	ug/L	5/5/2025						<10.2																
bis (2-chloroisopropyl) ether	108-60-1	ug/L	5/6/2025										<10.4		<10.6										

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
bis (2-chloroisopropyl) ether	108-60-1	ug/L	5/7/2025				<10.2													<10.6					
bis (2-chloroisopropyl) ether	108-60-1	ug/L	5/8/2025			<9.80		<10.6																	
cis-1,2-Dichloroethene	156-59-2	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
cis-1,2-Dichloroethene	156-59-2	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
cis-1,2-Dichloroethene	156-59-2	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
cis-1,2-Dichloroethene	156-59-2	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
cis-1,2-Dichloroethene	156-59-2	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
cis-1,2-Dichloroethene	156-59-2	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
cis-1,2-Dichloroethene	156-59-2	ug/L	7/7/2009							<1			2.65	<1	<1	<1			<1	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	9/2/2009							<1			1.39	<1	<1	<1			<1	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	10/25/2009	<1		<1	<1	<1	<1	<1			<1	<1	<1	<1			<1	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	1/2/2010							<1			<1	<1	<1	<1			<1	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	3/3/2010									<1	1.04	<1	<1	<1	<1	<1	<1	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	7/8/2010							<1		<1					<1	<1							
cis-1,2-Dichloroethene	156-59-2	ug/L	9/13/2010							<1		<1					<1	<1							
cis-1,2-Dichloroethene	156-59-2	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
cis-1,2-Dichloroethene	156-59-2	ug/L	1/10/2011							<1		<1					<1	<1							
cis-1,2-Dichloroethene	156-59-2	ug/L	4/4/2011							<1		<1					<1	<1							
cis-1,2-Dichloroethene	156-59-2	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
cis-1,2-Dichloroethene	156-59-2	ug/L	12/5/2011				<1													<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	6/25/2012					<1		<1															
cis-1,2-Dichloroethene	156-59-2	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	7/10/2013																		<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	1.02	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	6/2/2014	0.157J		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	0.3J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.132J	0.211J	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	0.591J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	0.173J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/20/2018											<1					<1	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
cis-1,2-Dichloroethene	156-59-2	ug/L	4/25/2018						<1																
cis-1,2-Dichloroethene	156-59-2	ug/L	4/30/2018			<1	<1	<1										<1							
cis-1,2-Dichloroethene	156-59-2	ug/L	5/1/2018								<1										<1	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	5/2/2018																				<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/1/2019	<1	9.09	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	3/30/2020	<1	2.55	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	6/24/2020		2.19																				
cis-1,2-Dichloroethene	156-59-2	ug/L	10/7/2020	<1	2.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	1/21/2021		2.3																				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/13/2021	<1	3.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.8J	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/20/2021		1.6			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	5/2/2022		2.1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/14/2022		1.4			<1	<1			<1	0.6J								<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	5/1/2023	<1	1.42	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/16/2023		1.4			<1	<1			<1	<1								<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/29/2024		1.48			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/9/2024		1.36								<1.00												
cis-1,2-Dichloroethene	156-59-2	ug/L	10/10/2024						<1.00			<1.00													
cis-1,2-Dichloroethene	156-59-2	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
cis-1,2-Dichloroethene	156-59-2	ug/L	10/15/2024																				<1.00		<1.00
cis-1,2-Dichloroethene	156-59-2	ug/L	4/23/2025	<1.00										<1.00					<1.00						
cis-1,2-Dichloroethene	156-59-2	ug/L	4/24/2025													<1.00									
cis-1,2-Dichloroethene	156-59-2	ug/L	4/30/2025		0.304							<1.00													
cis-1,2-Dichloroethene	156-59-2	ug/L	5/5/2025						<1.00																
cis-1,2-Dichloroethene	156-59-2	ug/L	5/6/2025										<1.00		<1.00										
cis-1,2-Dichloroethene	156-59-2	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
cis-1,2-Dichloroethene	156-59-2	ug/L	5/8/2025			<1.00		<1.00																	
cis-1,2-Dichloroethene	156-59-2	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
cis-1,3-Dichloropropene	10061-01-5	ug/L	2/27/2008	<5		<5	<5	<5	<5	<5															
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/12/2008	<5		<5	<5	<5	<5	<5															
cis-1,3-Dichloropropene	10061-01-5	ug/L	7/13/2008	<5		<5	<5	<5	<5	<5															
cis-1,3-Dichloropropene	10061-01-5	ug/L	9/14/2008	<5		<5	<5	<5	<5	<5															
cis-1,3-Dichloropropene	10061-01-5	ug/L	11/17/2008	<5		<5	<5	<5	<5	<5															
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/14/2009	<5		<5	<5	<5	<5	<5															
cis-1,3-Dichloropropene	10061-01-5	ug/L	7/7/2009										<5	<5	<5	<5			<5	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	9/2/2009										<5	<5	<5	<5			<5	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/25/2009	<5		<5	<5	<5	<5	<5			<5	<5	<5	<5			<5	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	1/2/2010										<5	<5	<5	<5			<5	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/3/2010									<5	<5	<5	<5	<5	<5	<5	<5	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/10/2010	<5		<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	7/8/2010									<5					<5	<5							
cis-1,3-Dichloropropene	10061-01-5	ug/L	9/13/2010									<10					<10	<10							
cis-1,3-Dichloropropene	10061-01-5	ug/L	11/1/2010	<5		<5		<5	<5	<5			<5	<5	<5	<5									
cis-1,3-Dichloropropene	10061-01-5	ug/L	1/10/2011									<5					<5	<5							
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/4/2011									<5					<5	<5							

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/13/2011	<5		<5		<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5						
cis-1,3-Dichloropropene	10061-01-5	ug/L	12/5/2011				<5													<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/11/2012	<5		<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	6/25/2012					<5		<5															
cis-1,3-Dichloropropene	10061-01-5	ug/L	8/1/2012							<5	<5										<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/11/2012	<5		<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	12/13/2012								<5										<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	2/4/2013								<5										<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/30/2013	<5		<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	7/10/2013																		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/7/2013	<5		<5			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	6/2/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/15/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/6/2015	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/5/2015	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/4/2016	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/17/2016	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/17/2017	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/11/2017	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/20/2018											<5					<5	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/23/2018	<5								<5	<5		<5	<5	<5								
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/25/2018						<5																
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/30/2018			<5	<5	<5										<5							
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/1/2018								<5										<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/2/2018																				<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/16/2018	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/16/2019	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	6/24/2020		<5																				
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	1/21/2021		<1																				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/16/2023		<5			<5	<5			<5	<5								<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/29/2024		<5			<5	<5	<5	<5	<5	<5								<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/9/2024		<5.00								<5.00												
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/10/2024						<5.00			<5.00													
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/14/2024																		<5.00	<5.00		<5.00	
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/15/2024																				<5.00		<5.00
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/23/2025	<5.00										<5.00					<5.00						
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/24/2025													<5.00									
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/30/2025		<5.00							<5.00													
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/5/2025						<5.00																
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/6/2025										<5.00		<5.00										
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/7/2025				<5.00													<5.00	<5.00	<5.00	<5.00		
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/8/2025			<5.00		<5.00																	
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/9/2025							<5.00	<5.00													<5.00	<5.00
delta-BHC	319-86-8	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
delta-BHC	319-86-8	ug/L	4/24/2025													<0.0921									
delta-BHC	319-86-8	ug/L	5/5/2025						<0.0895																
delta-BHC	319-86-8	ug/L	5/6/2025										<0.0907		<0.0902										
delta-BHC	319-86-8	ug/L	5/7/2025				<0.0907													<0.0904					
delta-BHC	319-86-8	ug/L	5/8/2025			<0.0882		<0.0904																	
gamma-BHC (Lindane)	58-89-9	ug/L	4/23/2025	<0.0909										<0.0895					<0.0904						
gamma-BHC (Lindane)	58-89-9	ug/L	4/24/2025													<0.0921									
gamma-BHC (Lindane)	58-89-9	ug/L	5/5/2025						<0.0895																
gamma-BHC (Lindane)	58-89-9	ug/L	5/6/2025										<0.0907		<0.0902										
gamma-BHC (Lindane)	58-89-9	ug/L	5/7/2025				<0.0907													<0.0904					
gamma-BHC (Lindane)	58-89-9	ug/L	5/8/2025			<0.0882		<0.0904																	
m/p-Cresol	T-34MP	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
m/p-Cresol	T-34MP	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
m/p-Cresol	T-34MP	ug/L	4/4/2011									<10					<10	<10							
m/p-Cresol	T-34MP	ug/L	7/10/2013																		<10.2	<10.1	<10.1	2250	<10.3
m/p-Cresol	T-34MP	ug/L	10/7/2013							<10.2	<10.1													<10.1	
m/p-Cresol	T-34MP	ug/L	6/2/2014																					<10.1	
m/p-Cresol	T-34MP	ug/L	10/15/2014																					<10	
m/p-Cresol	T-34MP	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
m/p-Cresol	T-34MP	ug/L	4/4/2016									<10					<10	<10							
m/p-Cresol	T-34MP	ug/L	5/1/2018																		<10.4	<10.3			
m/p-Cresol	T-34MP	ug/L	5/2/2018																				<10.4	<10.5	<10.4
m/p-Cresol	T-34MP	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
m/p-Cresol	T-34MP	ug/L	6/24/2020		<10.4																				
m/p-Cresol	T-34MP	ug/L	10/20/2021		<8							<8					<8	<8							
m/p-Cresol	T-34MP	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
o,o',o"-Triethylphosphorothioate	126-68-1	ug/L	4/23/2025	<10.4										<10.4					<10.4						
o,o',o"-Triethylphosphorothioate	126-68-1	ug/L	4/24/2025													<10.4									
o,o',o"-Triethylphosphorothioate	126-68-1	ug/L	5/5/2025						<10.2																
o,o',o"-Triethylphosphorothioate	126-68-1	ug/L	5/6/2025										<10.4		<10.6										
o,o',o"-Triethylphosphorothioate	126-68-1	ug/L	5/7/2025				<10.2													<10.6					
o,o',o"-Triethylphosphorothioate	126-68-1	ug/L	5/8/2025			<9.80		<10.6																	
o-Toluidine	95-53-4	ug/L	4/23/2025	<10.4										<10.4					<10.4						
o-Toluidine	95-53-4	ug/L	4/24/2025													<10.4									
o-Toluidine	95-53-4	ug/L	5/5/2025						<10.2																

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
o-Toluidine	95-53-4	ug/L	5/6/2025										<10.4		<10.6										
o-Toluidine	95-53-4	ug/L	5/7/2025				<10.2													<10.6					
o-Toluidine	95-53-4	ug/L	5/8/2025			<9.80		<10.6																	
p-Chloroaniline	106-47-8	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
p-Chloroaniline	106-47-8	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
p-Chloroaniline	106-47-8	ug/L	4/4/2011									<10					<10	<10							
p-Chloroaniline	106-47-8	ug/L	7/10/2013																		<10.2	<10.1	<10.1	<106	<10.3
p-Chloroaniline	106-47-8	ug/L	6/2/2014																					<10.1	
p-Chloroaniline	106-47-8	ug/L	10/15/2014																					<10	
p-Chloroaniline	106-47-8	ug/L	10/5/2015	<10.4		<10	<10.5	<10.5	<10.1				<10.8	<10.6	<10.5	<10.3			<11.1	<10.1					
p-Chloroaniline	106-47-8	ug/L	4/4/2016									<10					<10	<10							
p-Chloroaniline	106-47-8	ug/L	5/1/2018																		<10.4	<10.3			
p-Chloroaniline	106-47-8	ug/L	5/2/2018																				<10.4	<10.5	<10.4
p-Chloroaniline	106-47-8	ug/L	3/30/2020	<10.4		<10.8	<10.3	<10.5	<10.3				<10.4	<10.4	<10.5	<10.1			<10.4	<10.4					
p-Chloroaniline	106-47-8	ug/L	6/24/2020		<10.4																				
p-Chloroaniline	106-47-8	ug/L	10/20/2021		<8							<8					<8	3J							
p-Chloroaniline	106-47-8	ug/L	5/1/2023																		<10.6	<10	<9.8	<10.6	<10
p-Dimethylamino azobenzene	60-11-7	ug/L	4/23/2025	<10.4										<10.4					<10.4						
p-Dimethylamino azobenzene	60-11-7	ug/L	4/24/2025													<10.4									
p-Dimethylamino azobenzene	60-11-7	ug/L	5/5/2025						<10.2																
p-Dimethylamino azobenzene	60-11-7	ug/L	5/6/2025										<10.4		<10.6										
p-Dimethylamino azobenzene	60-11-7	ug/L	5/7/2025				<10.2													<10.6					
p-Dimethylamino azobenzene	60-11-7	ug/L	5/8/2025			<9.80		<10.6																	
trans-1,2-Dichloroethene	156-60-5	ug/L	2/27/2008	<1		<1	<1	<1	<1	<1															
trans-1,2-Dichloroethene	156-60-5	ug/L	5/12/2008	<1		<1	<1	<1	<1	<1															
trans-1,2-Dichloroethene	156-60-5	ug/L	7/13/2008	<1		<1	<1	<1	<1	<1															
trans-1,2-Dichloroethene	156-60-5	ug/L	9/14/2008	<1		<1	<1	<1	<1	<1															
trans-1,2-Dichloroethene	156-60-5	ug/L	11/17/2008	<1		<1	<1	<1	<1	<1															
trans-1,2-Dichloroethene	156-60-5	ug/L	4/14/2009	<1		<1	<1	<1	<1	<1															
trans-1,2-Dichloroethene	156-60-5	ug/L	7/7/2009										<1	<1	<1	<1			<1	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	9/2/2009										<1	<1	<1	<1			<1	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	10/25/2009	<1		<1	<1	<1	<1	<1			<1	<1	<1	<1			<1	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	1/2/2010										<1	<1	<1	<1			<1	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	3/3/2010									<1	<1	<1	<1	<1	<1	<1	<1	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	5/10/2010	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	7/8/2010							<1		<1					<1	<1							
trans-1,2-Dichloroethene	156-60-5	ug/L	9/13/2010							<1		<1					<1	<1							
trans-1,2-Dichloroethene	156-60-5	ug/L	11/1/2010	<1		<1		<1	<1	<1			<1	<1	<1	<1									
trans-1,2-Dichloroethene	156-60-5	ug/L	1/10/2011							<1		<1					<1	<1							
trans-1,2-Dichloroethene	156-60-5	ug/L	4/4/2011							<1		<1					<1	<1							
trans-1,2-Dichloroethene	156-60-5	ug/L	10/13/2011	<1		<1		<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1						
trans-1,2-Dichloroethene	156-60-5	ug/L	12/5/2011				<1													<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	4/11/2012	<1		<1	<1	<1	<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	6/25/2012					<1		<1															
trans-1,2-Dichloroethene	156-60-5	ug/L	8/1/2012							<1	<1										<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/11/2012	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	12/13/2012								<1										<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	2/4/2013								<1										<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	3/30/2013	<1		<1	<1	<1	<1		<1	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	7/10/2013																		<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/7/2013	<1		<1			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	6/2/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/15/2014	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/6/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/5/2015	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/4/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/17/2016	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/17/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/11/2017	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/20/2018											<1					<1	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	4/23/2018	<1								<1	<1		<1	<1	<1								
trans-1,2-Dichloroethene	156-60-5	ug/L	4/25/2018						<1																
trans-1,2-Dichloroethene	156-60-5	ug/L	4/30/2018			<1	<1	<1										<1							
trans-1,2-Dichloroethene	156-60-5	ug/L	5/1/2018								<1										<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	5/2/2018																				<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/16/2018	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/16/2019	<1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	6/24/2020		<1																				
trans-1,2-Dichloroethene	156-60-5	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	1/21/2021		<1																				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/16/2023		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/29/2024		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/9/2024		<1.00								<1.00												
trans-1,2-Dichloroethene	156-60-5	ug/L	10/10/2024						<1.00			<1.00													
trans-1,2-Dichloroethene	156-60-5	ug/L	10/14/2024																		<1.00	<1.00		<1.00	
trans-1,2-Dichloroethene	156-60-5	ug/L	10/15/2024																				<1.00		<1.00
trans-1,2-Dichloroethene	156-60-5	ug/L	4/23/2025	<1.00										<1.00					<1.00						
trans-1,2-Dichloroethene	156-60-5	ug/L	4/24/2025													<1.00									
trans-1,2-Dichloroethene	156-60-5	ug/L	4/30/2025		<1.00							<1.00													
trans-1,2-Dichloroethene	156-60-5	ug/L	5/5/2025						<1.00																

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
trans-1,2-Dichloroethene	156-60-5	ug/L	5/6/2025										<1.00		<1.00										
trans-1,2-Dichloroethene	156-60-5	ug/L	5/7/2025				<1.00													<1.00	<1.00	<1.00	<1.00		
trans-1,2-Dichloroethene	156-60-5	ug/L	5/8/2025			<1.00		<1.00																	
trans-1,2-Dichloroethene	156-60-5	ug/L	5/9/2025							<1.00	<1.00													<1.00	<1.00
trans-1,3-Dichloropropene	10061-02-6	ug/L	2/27/2008	<5		<5	<5	<5	<5	<5															
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/12/2008	<5		<5	<5	<5	<5	<5															
trans-1,3-Dichloropropene	10061-02-6	ug/L	7/13/2008	<5		<5	<5	<5	<5	<5															
trans-1,3-Dichloropropene	10061-02-6	ug/L	9/14/2008	<5		<5	<5	<5	<5	<5															
trans-1,3-Dichloropropene	10061-02-6	ug/L	11/17/2008	<5		<5	<5	<5	<5	<5															
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/14/2009	<5		<5	<5	<5	<5	<5															
trans-1,3-Dichloropropene	10061-02-6	ug/L	7/7/2009										<5	<5	<5	<5			<5	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	9/2/2009										<5	<5	<5	<5			<5	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/25/2009	<5		<10	<5	<5	<5	<10			<5	<5	<5	<5			<5	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	1/2/2010										<5	<10	<5	<10			<5	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/3/2010									<5	<5	<5	<5	<5	<5	<5	<5	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/10/2010	<5		<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	7/8/2010									<5					<5	<5							
trans-1,3-Dichloropropene	10061-02-6	ug/L	9/13/2010									<10					<10	<10							
trans-1,3-Dichloropropene	10061-02-6	ug/L	11/1/2010	<10		<5		<10	<10	<5			<10	<10	<10	<10									
trans-1,3-Dichloropropene	10061-02-6	ug/L	1/10/2011									<5					<5	<5							
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/4/2011									<5					<5	<5							
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/13/2011	<5		<5		<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5						
trans-1,3-Dichloropropene	10061-02-6	ug/L	12/5/2011				<5													<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/11/2012	<5		<5	<5	<5	<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	6/25/2012					<5		<5															
trans-1,3-Dichloropropene	10061-02-6	ug/L	8/1/2012							<5	<5										<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/11/2012	<5		<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	12/13/2012								<5										<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	2/4/2013								<5										<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/30/2013	<5		<5	<5	<5	<5		<5	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	7/10/2013																		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/7/2013	<5		<5			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	6/2/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/15/2014	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/6/2015	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/5/2015	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/4/2016	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/17/2016	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/17/2017	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/11/2017	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/20/2018											<5					<5	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/23/2018	<5								<5	<5		<5	<5	<5								
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/25/2018						<5																
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/30/2018			<5	<5	<5										<5							
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/1/2018								<5										<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/2/2018																				<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/16/2018	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/16/2019	<5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	6/24/2020		<5																				
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	1/21/2021		<1																				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/20/2021		<1			<1	<1			<1	<1				<1	<1			<1	<1	<1	0.6J	0.5J
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/2/2022		<1			<1	<1	<1	<1	<1	<1								<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/14/2022		<1			<1	<1			<1	<1								<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/16/2023		<5			<5	<5			<5	<5								<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/29/2024		<5			<5	<5	<5	<5	<5	<5								<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/9/2024		<5.00								<5.00												
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/10/2024						<5.00			<5.00													
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/14/2024																		<5.00	<5.00		<5.00	
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/15/2024																				<5.00		<5.00
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/23/2025	<5.00										<5.00					<5.00						
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/24/2025												<5.00										
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/30/2025		<5.00							<5.00													
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/5/2025						<5.00																
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/6/2025										<5.00		<5.00										
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/7/2025				<5.00													<5.00	<5.00	<5.00	<5.00		
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/8/2025			<5.00		<5.00																	
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/9/2025							<5.00	<5.00													<5.00	<5.00
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	2/27/2008	<10		<10	<10	<10	<10	<10															
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/12/2008	<10		<10	<10	<10	<10	<10															
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	7/13/2008	<10		<10	<10	<10	<10	<10															
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	9/14/2008	<10		<10	<10	<10	<10	<10															
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	11/17/2008	<10		<10	<10	<10	<10	<10															
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/14/2009	<10		<10	<10	<10	<10	<10															
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	7/7/2009										<10	<10	<10	<10			<10	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	9/2/2009										<10	<10	<10	<10			<10	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/25/2009	<10		<10	<10	<10	<10	<10			<10	<10	<10	<10			<10	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	1/2/2010										<10	<10	<10	<10			<10	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/3/2010									<10	<10	<10	<10	<10	<10	<10	<10	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/10/2010	<10		<10	<10	<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	7/8/2010									<10					<10	<10							
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	9/13/2010									<10					<10	<10							
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	11/1/2010	<10		<10		<10	<10	<10			<10	<10	<10	<10									

Table 9A
Analytical Data Summary - Series A HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-17A-00	MW-18AR	MW-23A	MW-24A	MW-25A-00	MW-29A	MW-34A	MW-38A	MW-200A	MW-201A	MW-202A	MW-203A	MW-204A	MW-205A	MW-213A	MW-214A	MW-215A	MW-216A	MW-217A	MW-218A	MW-219A	MW-220A
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	1/10/2011									<10					<10	<10							
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/4/2011									<10					<10	<10							
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/13/2011	<10		<10		<10	<10	<10		<10	<10	<10	<10	<10	<10	<10	<10						
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	12/5/2011				<10													<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/11/2012	<10		<20	<20	<10	<20	<20		<20	<10	<20	<20	<10	<10	<10	<20	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	6/25/2012					<10		<10															
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	8/1/2012							<10	<10										<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/11/2012	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	12/13/2012								<10										<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	2/4/2013								<10										<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/30/2013	<10		<10	<10	<10	<10		<10	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	7/10/2013																		<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/7/2013	<10		<10			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	6/2/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/15/2014	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/6/2015	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/5/2015	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/4/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/17/2016	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/17/2017	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/11/2017	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/20/2018											<10					<10	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/23/2018	<10								<10	<10		<10	<10	<10								
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/25/2018						<10																
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/30/2018			<10	<10	<10										<10							
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/1/2018								<10										<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/2/2018																				<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/16/2018	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/16/2019	<10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	6/24/2020		<10																				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	1/21/2021		<5																				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/20/2021		<5			<5	<5			<5	<5				<5	<5			<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/2/2022		<5			<5	<5	<5	<5	<5	<5								<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/14/2022		<5			<5	<5			<5	<5								<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10			<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/16/2023		<10			<10	<10			<10	<10								<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/29/2024		<10			<10	<10	<10	<10	<10	<10								<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/9/2024		<10.0								<10.0												
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	10/10/2024						<10.0			<10.0													
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	10/14/2024																		<10.0	<10.0		<10.0	
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	10/15/2024																				<10.0		<10.0
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	4/23/2025	<10.0										<10.0					<10.0						
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	4/24/2025													<10.0									
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	4/30/2025		<10.0							<10.0													
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	5/5/2025						<10.0																
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	5/6/2025										<10.0		<10.0										
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	5/7/2025				<10.0													<10.0	<10.0	<10.0	<10.0		
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	5/8/2025			<10.0		<10.0																	
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	5/9/2025							<10.0	<10.0													<10.0	<10.0

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	7/7/2009								<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	9/2/2009								<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/25/2009	<2	<2	<2	<2	<5	<2		<2	<2	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1/2/2010								<4	<4	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/3/2010								<2	<2	<2
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4			<4	<4
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	7/8/2010										<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	9/13/2010										<5
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/4/2011										<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	12/5/2011						<2				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	6/25/2012						<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	8/1/2012						<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	12/13/2012						<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	2/4/2013						<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/20/2018						<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/24/2018				<1	<1			<1		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/20/2021						<1				<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/2/2022				<1		<1	<1			<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/14/2022						<1				<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/1/2023				<1		<1	<1		<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/16/2023						<1				<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/29/2024						<1	<1			<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/10/2024										<1.00
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/11/2024						<1.00				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/23/2025					<1.00					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/25/2025			<1.00					<1.00		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/28/2025										<1.00
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/30/2025							<1.00			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/5/2025									<1.00	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/6/2025	<1.00	<1.00								
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/7/2025						<1.00				
1,1,1-Trichloroethane	71-55-6	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,1,1-Trichloroethane	71-55-6	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	7/7/2009								<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	9/2/2009								<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	10/25/2009	<1	<1	<1	<1	<1	<1		<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	1/2/2010								<4	<4	
1,1,1-Trichloroethane	71-55-6	ug/L	3/3/2010								<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4			<4	<4
1,1,1-Trichloroethane	71-55-6	ug/L	7/8/2010										<1
1,1,1-Trichloroethane	71-55-6	ug/L	9/13/2010										<1
1,1,1-Trichloroethane	71-55-6	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	4/4/2011										<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	12/5/2011						<1				
1,1,1-Trichloroethane	71-55-6	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	6/25/2012						<1				
1,1,1-Trichloroethane	71-55-6	ug/L	8/1/2012						<1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	12/13/2012						<1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	2/4/2013						<1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
1,1,1-Trichloroethane	71-55-6	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/20/2018						<1				
1,1,1-Trichloroethane	71-55-6	ug/L	4/24/2018				<1	<1			<1		
1,1,1-Trichloroethane	71-55-6	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/20/2021						<1				<1
1,1,1-Trichloroethane	71-55-6	ug/L	5/2/2022				<1		<1	<1			<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/14/2022						<1				<1
1,1,1-Trichloroethane	71-55-6	ug/L	5/1/2023				<1		<1	<1		<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/16/2023						<1				<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/29/2024						<1	<1			<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/10/2024										<1.00
1,1,1-Trichloroethane	71-55-6	ug/L	10/11/2024						<1.00				
1,1,1-Trichloroethane	71-55-6	ug/L	4/23/2025					<1.00					
1,1,1-Trichloroethane	71-55-6	ug/L	4/25/2025			<1.00					<1.00		
1,1,1-Trichloroethane	71-55-6	ug/L	4/28/2025										<1.00
1,1,1-Trichloroethane	71-55-6	ug/L	4/30/2025							<1.00			
1,1,1-Trichloroethane	71-55-6	ug/L	5/5/2025									<1.00	
1,1,1-Trichloroethane	71-55-6	ug/L	5/6/2025	<1.00	<1.00								
1,1,1-Trichloroethane	71-55-6	ug/L	5/7/2025						<1.00				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	7/7/2009								<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	9/2/2009								<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/25/2009	<2	<2	<2	<2	<1	<2		<2	<2	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	1/2/2010								<1	<1	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/3/2010								<2	<2	<2
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	7/8/2010										<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	9/13/2010										<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/4/2011										<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	12/5/2011						<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	6/25/2012						<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	8/1/2012						<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	12/13/2012						<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	2/4/2013						<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/20/2018						<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/24/2018				<1	<1			<1		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/20/2021						<1				<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/2/2022				<1		<1	<1			<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/14/2022						<1				<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/1/2023				<1		<1	<1		<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/16/2023						<1				<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/29/2024						<1	<1			<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/10/2024										<1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/11/2024						<1.00				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/23/2025					<1.00					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/25/2025			<1.00					<1.00		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/28/2025										<1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/30/2025							<1.00			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/5/2025									<1.00	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/6/2025	<1.00	<1.00								
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/7/2025						<1.00				
1,1,2-Trichloroethane	79-00-5	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	7/7/2009								<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	9/2/2009								<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	10/25/2009	<2	<2	<2	<2	<1	<2		<2	<2	
1,1,2-Trichloroethane	79-00-5	ug/L	1/2/2010								<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	3/3/2010								<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	7/8/2010										<1
1,1,2-Trichloroethane	79-00-5	ug/L	9/13/2010										<1
1,1,2-Trichloroethane	79-00-5	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,1,2-Trichloroethane	79-00-5	ug/L	4/4/2011										<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	12/5/2011						<1				
1,1,2-Trichloroethane	79-00-5	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	6/25/2012						<1				
1,1,2-Trichloroethane	79-00-5	ug/L	8/1/2012						<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	12/13/2012						<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	2/4/2013						<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
1,1,2-Trichloroethane	79-00-5	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/20/2018						<1				
1,1,2-Trichloroethane	79-00-5	ug/L	4/24/2018				<1	<1			<1		
1,1,2-Trichloroethane	79-00-5	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/20/2021						<1				<1
1,1,2-Trichloroethane	79-00-5	ug/L	5/2/2022				<1		<1	<1			<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/14/2022						<1				<1
1,1,2-Trichloroethane	79-00-5	ug/L	5/1/2023				<1		<1	<1		<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/16/2023						<1				<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/29/2024						<1	<1			<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/10/2024										<1.00
1,1,2-Trichloroethane	79-00-5	ug/L	10/11/2024						<1.00				
1,1,2-Trichloroethane	79-00-5	ug/L	4/23/2025					<1.00					
1,1,2-Trichloroethane	79-00-5	ug/L	4/25/2025			<1.00					<1.00		
1,1,2-Trichloroethane	79-00-5	ug/L	4/28/2025										<1.00
1,1,2-Trichloroethane	79-00-5	ug/L	4/30/2025							<1.00			
1,1,2-Trichloroethane	79-00-5	ug/L	5/5/2025									<1.00	
1,1,2-Trichloroethane	79-00-5	ug/L	5/6/2025	<1.00	<1.00								
1,1,2-Trichloroethane	79-00-5	ug/L	5/7/2025						<1.00				
1,1-Dichloroethane	75-34-3	ug/L	2/27/2008	<1	<1	2.22	2.57	1.02	<1				
1,1-Dichloroethane	75-34-3	ug/L	5/12/2008	<1	<1	1.27	2.87	1.18	<1				
1,1-Dichloroethane	75-34-3	ug/L	7/13/2008	<1	1.15	1.28	3.15	<1	<1				
1,1-Dichloroethane	75-34-3	ug/L	9/14/2008	<1	1.12	2.72	2.95	1.06	<1				
1,1-Dichloroethane	75-34-3	ug/L	11/17/2008	<1	1.32	8.77	3.2	1.33	<1				
1,1-Dichloroethane	75-34-3	ug/L	4/14/2009	<1	<1	5.31	2.26	<1	<1				
1,1-Dichloroethane	75-34-3	ug/L	7/7/2009			4.99	2.34				<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	9/2/2009			6.35	2.35				<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	10/25/2009	<1	1.43	7.3	2.57	<1	<1		<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	1/2/2010			3.78	2.03				<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	3/3/2010								<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	5/10/2010	<1	1.16	1.5	1.8	<1	<1			<1	<1
1,1-Dichloroethane	75-34-3	ug/L	7/8/2010										<1
1,1-Dichloroethane	75-34-3	ug/L	9/13/2010										<1
1,1-Dichloroethane	75-34-3	ug/L	11/1/2010	<1	1.06	4.74	1.39	<1			<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	4/4/2011			4.92	1.27						<1
1,1-Dichloroethane	75-34-3	ug/L	10/13/2011	<1	1.73	7.32	1.32	<1			<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	12/5/2011						<1				
1,1-Dichloroethane	75-34-3	ug/L	4/11/2012	<1	1.59	6.37	1.36	<1	<1		<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	6/25/2012						<1				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,1-Dichloroethane	75-34-3	ug/L	8/1/2012						<1	<1			
1,1-Dichloroethane	75-34-3	ug/L	10/11/2012	<1	1.75	12.6	1.13	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	12/13/2012						<1	<1			
1,1-Dichloroethane	75-34-3	ug/L	2/4/2013						<1	<1			
1,1-Dichloroethane	75-34-3	ug/L	3/30/2013	<1	<1	7.51	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/7/2013	<1	1.28		<1	<1	<1	<1	<1		<1
1,1-Dichloroethane	75-34-3	ug/L	6/2/2014	<1	1.05	4.05	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/15/2014	<1	<1	4.18	0.583J	0.766J	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/6/2015	<1	1.3	1.82		0.634J	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/5/2015	<1	1.63	2.84		1.12	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/4/2016	<1	1.49	1.7	0.419J	0.804J	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/17/2016	<1	1.88	2.23	<1	0.976J; 0.808J	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/17/2017	<1	2.17; 1.85	<1	0.383J	1.05	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/11/2017	<1	2.09; 2.21	<1	<1	1.31	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/20/2018						<1				
1,1-Dichloroethane	75-34-3	ug/L	4/24/2018				0.354J	0.292J			<1		
1,1-Dichloroethane	75-34-3	ug/L	4/25/2018	<1	1.91	1.21				<1		<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/16/2018	<1	1.91; 2.32	0.327J	<1	0.489J	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/16/2019	<1	1.95	<1	<1	0.866J	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/1/2019	<1	1.97	1.92	0.267J	1.19	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	3/30/2020	<1	2.12	<1	0.326J	0.592J	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/7/2020	<1	2.11	0.373J	<1	0.807J	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/13/2021	<1	1.9	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/20/2021						<1				<1
1,1-Dichloroethane	75-34-3	ug/L	5/2/2022				0.4J		<1	<1			<1
1,1-Dichloroethane	75-34-3	ug/L	10/14/2022						<1				<1
1,1-Dichloroethane	75-34-3	ug/L	5/1/2023				0.3J		<1	<1		<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/16/2023						<1				<1
1,1-Dichloroethane	75-34-3	ug/L	4/29/2024						<1	0.247J			<1
1,1-Dichloroethane	75-34-3	ug/L	10/10/2024										<1.00
1,1-Dichloroethane	75-34-3	ug/L	10/11/2024						<1.00				
1,1-Dichloroethane	75-34-3	ug/L	4/23/2025					0.400					
1,1-Dichloroethane	75-34-3	ug/L	4/25/2025			<1.00					<1.00		
1,1-Dichloroethane	75-34-3	ug/L	4/28/2025										<1.00
1,1-Dichloroethane	75-34-3	ug/L	4/30/2025							<1.00			
1,1-Dichloroethane	75-34-3	ug/L	5/5/2025									<1.00	
1,1-Dichloroethane	75-34-3	ug/L	5/6/2025	<1.00	0.456								
1,1-Dichloroethane	75-34-3	ug/L	5/7/2025						<1.00				
1,1-Dichloroethene	75-35-4	ug/L	2/27/2008	<2	<2	<2	<2	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	5/12/2008	<2	<2	<2	<2	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	7/13/2008	<2	<2	<2	<2	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	9/14/2008	<2	<2	<2	<2	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	11/17/2008	<2	<2	<2	<2	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	4/14/2009	<2	<2	<2	<2	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	7/7/2009								<2	<2	
1,1-Dichloroethene	75-35-4	ug/L	9/2/2009								<2	<2	
1,1-Dichloroethene	75-35-4	ug/L	10/25/2009	<2	<2	<2	<2	<2	<2		<2	<2	
1,1-Dichloroethene	75-35-4	ug/L	1/2/2010								<2	<2	
1,1-Dichloroethene	75-35-4	ug/L	3/3/2010								<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	5/10/2010	<2	<2	<2	<2	<2	<2			<2	<2
1,1-Dichloroethene	75-35-4	ug/L	7/8/2010										<2
1,1-Dichloroethene	75-35-4	ug/L	9/13/2010										<2
1,1-Dichloroethene	75-35-4	ug/L	11/1/2010	<2	<2	<2	<2	<2			<2	<2	
1,1-Dichloroethene	75-35-4	ug/L	4/4/2011										<2
1,1-Dichloroethene	75-35-4	ug/L	10/13/2011	<2	<2	<2	<2	<2			<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	12/5/2011						<2				
1,1-Dichloroethene	75-35-4	ug/L	4/11/2012	<2	<2	<2	<2	<2	<2		<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	6/25/2012						<2				
1,1-Dichloroethene	75-35-4	ug/L	8/1/2012						<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	10/11/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	12/13/2012						<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	2/4/2013						<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	3/30/2013	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,1-Dichloroethene	75-35-4	ug/L	10/7/2013	<2	<2		<2	<2	<2	<2	<2		<2
1,1-Dichloroethene	75-35-4	ug/L	6/2/2014	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/15/2014	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/6/2015	<2	<2	<2		<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/5/2015	<2	<2	<2		<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/4/2016	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/17/2016	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/17/2017	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/11/2017	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/20/2018						<2				
1,1-Dichloroethene	75-35-4	ug/L	4/24/2018				<2	<2			<2		
1,1-Dichloroethene	75-35-4	ug/L	4/25/2018	<2	<2	<2				<2		<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/16/2018	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/16/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/1/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	3/30/2020	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/7/2020	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	75-35-4	ug/L	10/20/2021						<1				<1
1,1-Dichloroethene	75-35-4	ug/L	5/2/2022				<1		<1	<1			<1
1,1-Dichloroethene	75-35-4	ug/L	10/14/2022						<1				<1
1,1-Dichloroethene	75-35-4	ug/L	5/1/2023				<2		<2	<2		<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/16/2023						<2				<2
1,1-Dichloroethene	75-35-4	ug/L	4/29/2024						<2	<2			<2
1,1-Dichloroethene	75-35-4	ug/L	10/10/2024										<2.00
1,1-Dichloroethene	75-35-4	ug/L	10/11/2024						<2.00				
1,1-Dichloroethene	75-35-4	ug/L	4/23/2025					<2.00					
1,1-Dichloroethene	75-35-4	ug/L	4/25/2025			<2.00					<2.00		
1,1-Dichloroethene	75-35-4	ug/L	4/28/2025										<2.00
1,1-Dichloroethene	75-35-4	ug/L	4/30/2025							<2.00			
1,1-Dichloroethene	75-35-4	ug/L	5/5/2025									<2.00	
1,1-Dichloroethene	75-35-4	ug/L	5/6/2025	<2.00	<2.00								
1,1-Dichloroethene	75-35-4	ug/L	5/7/2025						<2.00				
1,1-Dichloropropene	563-58-6	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
1,1-Dichloropropene	563-58-6	ug/L	9/2/2009								<1		
1,1-Dichloropropene	563-58-6	ug/L	1/2/2010									<1	
1,1-Dichloropropene	563-58-6	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	
1,1-Dichloropropene	563-58-6	ug/L	4/4/2011										<1
1,1-Dichloropropene	563-58-6	ug/L	10/15/2014								<1		
1,1-Dichloropropene	563-58-6	ug/L	10/5/2015	<1	<1	<1		<1	<1		<1	<1	
1,1-Dichloropropene	563-58-6	ug/L	4/4/2016										<1
1,1-Dichloropropene	563-58-6	ug/L	4/17/2017				<1						
1,1-Dichloropropene	563-58-6	ug/L	3/30/2020	<1	<1	<1		<1	<1		<1	<1	
1,1-Dichloropropene	563-58-6	ug/L	10/20/2021										<1
1,1-Dichloropropene	563-58-6	ug/L	5/2/2022				<1						
1,1-Dichloropropene	563-58-6	ug/L	4/23/2025					<1.00					
1,1-Dichloropropene	563-58-6	ug/L	4/25/2025			<1.00					<1.00		
1,1-Dichloropropene	563-58-6	ug/L	5/5/2025									<1.00	
1,1-Dichloropropene	563-58-6	ug/L	5/6/2025	<1.00	<1.00								
1,1-Dichloropropene	563-58-6	ug/L	5/7/2025						<1.00				
1,2,3-Trichloropropane	96-18-4	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	7/7/2009								<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	9/2/2009								<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	10/25/2009	<2	<2	<2	<2	<1	<2		<2	<2	
1,2,3-Trichloropropane	96-18-4	ug/L	1/2/2010								<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	3/3/2010								<2	<2	<2
1,2,3-Trichloropropane	96-18-4	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	7/8/2010										<1

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,2,3-Trichloropropane	96-18-4	ug/L	9/13/2010										<1
1,2,3-Trichloropropane	96-18-4	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	4/4/2011										<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/13/2011	<4	<1	<1	<1	<1			<4	<1	<4
1,2,3-Trichloropropane	96-18-4	ug/L	12/5/2011						<1				
1,2,3-Trichloropropane	96-18-4	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	6/25/2012						<1				
1,2,3-Trichloropropane	96-18-4	ug/L	8/1/2012						<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	12/13/2012						<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	2/4/2013						<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
1,2,3-Trichloropropane	96-18-4	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/20/2018						<1				
1,2,3-Trichloropropane	96-18-4	ug/L	4/24/2018				<1	<1			<1		
1,2,3-Trichloropropane	96-18-4	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/20/2021						<1				<1
1,2,3-Trichloropropane	96-18-4	ug/L	5/2/2022				<1		<1	<1			<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/14/2022						<1				<1
1,2,3-Trichloropropane	96-18-4	ug/L	5/1/2023				<1		<1	<1		<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/16/2023						<1				<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/29/2024						<1	<1			<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/10/2024										<1.00
1,2,3-Trichloropropane	96-18-4	ug/L	10/11/2024						<1.00				
1,2,3-Trichloropropane	96-18-4	ug/L	4/23/2025					<1.00					
1,2,3-Trichloropropane	96-18-4	ug/L	4/25/2025			<1.00					<1.00		
1,2,3-Trichloropropane	96-18-4	ug/L	4/28/2025										<1.00
1,2,3-Trichloropropane	96-18-4	ug/L	4/30/2025							<1.00			
1,2,3-Trichloropropane	96-18-4	ug/L	5/5/2025									<1.00	
1,2,3-Trichloropropane	96-18-4	ug/L	5/6/2025	<1.00	<1.00								
1,2,3-Trichloropropane	96-18-4	ug/L	5/7/2025						<1.00				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/4/2011										<10
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	10/15/2014								<10		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/4/2016										<10.3
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/17/2017				<11						
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	10/20/2021										<8
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/2/2022				<8						
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/23/2025					<10.4					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/25/2025			<10.4					<10.2		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/5/2025									<10.0	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/6/2025	<10.4	<10.4								
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/7/2025						<10.6				
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/14/2009	<5	<5	<5	<5	<5	<5				
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/4/2011										<5

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,2,4-Trichlorobenzene	120-82-1	ug/L	10/15/2014								<5		
1,2,4-Trichlorobenzene	120-82-1	ug/L	10/5/2015	<5	<5	<5		<5	<5		<5	<5	
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/4/2016										<5
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/17/2017				<5						
1,2,4-Trichlorobenzene	120-82-1	ug/L	3/30/2020	<5	<5	<5		<5	<5		<5	<5	
1,2,4-Trichlorobenzene	120-82-1	ug/L	10/20/2021										<1
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/2/2022				<1						
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/23/2025					<5.00					
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/25/2025			<5.00					<5.00		
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/5/2025									<5.00	
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/6/2025	<5.00	<5.00								
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/7/2025						<5.00				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	2/27/2008	<10	<10	<10	<10	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/12/2008	<10	<10	<10	<10	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	7/13/2008	<10	<10	<10	<10	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	9/14/2008	<10	<10	<10	<10	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	11/17/2008	<10	<10	<10	<10	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/14/2009	<10	<10	<10	<10	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	7/7/2009								<10	<10	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	9/2/2009								<10	<10	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10		<10	<10	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	1/2/2010								<10	<10	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/3/2010								<10	<10	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	7/8/2010										<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	9/13/2010										<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	11/1/2010	<10	<10	<10	<10	<10			<10	<10	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/4/2011										<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/13/2011	<10	<10	<10	<10	<10			<10	<10	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	12/5/2011						<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10		<10	<10	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	6/25/2012						<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	8/1/2012						<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	12/13/2012						<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	2/4/2013						<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/7/2013	<10	<10		<10	<10	<10	<10	<10		<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	6/2/2014	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/15/2014	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/6/2015	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/5/2015	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/4/2016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/17/2016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/17/2017	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/11/2017	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/20/2018						<0.5				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/24/2018				<0.5	<0.5			<0.5		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/25/2018	<0.5	<0.5	<0.5				<0.5		<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/16/2018	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/16/2019	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/1/2019	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/30/2020	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/7/2020	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/13/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/20/2021						<0.02				<1
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/2/2022				<1		<0.02	<0.02			<0.02
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/14/2022						<0.02; <5				<0.02; <5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/1/2023				<1.2		<1.2	<1.2		<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/16/2023						<1.2				<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/29/2024						<1.2	<1.2			<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/10/2024										<1.20
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/11/2024						<1.20				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/23/2025					<1.20					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/25/2025			<1.20					<1.20		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/28/2025										<1.20
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/30/2025							<1.20			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/5/2025									<1.20	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/6/2025	<1.20	<1.20								
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/7/2025						<1.20				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	2/27/2008	<10	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/12/2008	<10	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	7/13/2008	<10	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	9/14/2008	<10	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	11/17/2008	<10	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/14/2009	<10	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	7/7/2009								<10	<10	
1,2-Dibromoethane (EDB)	106-93-4	ug/L	9/2/2009								<10	<10	
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10		<10	<10	
1,2-Dibromoethane (EDB)	106-93-4	ug/L	1/2/2010								<10	<10	
1,2-Dibromoethane (EDB)	106-93-4	ug/L	3/3/2010								<10	<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	7/8/2010										<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	9/13/2010										<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	11/1/2010	<10	<10	<10	<10	<10			<10	<10	
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/4/2011										<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/13/2011	<10	<10	<10	<10	<10			<10	<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	12/5/2011						<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10		<10	<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	6/25/2012						<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	8/1/2012						<10	<10			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	12/13/2012						<10	<10			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	2/4/2013						<10	<10			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/7/2013	<10	<10		<10	<10	<10	<10	<10		<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	6/2/2014	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/15/2014	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/6/2015	<0.13	<0.13	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/5/2015	<0.13	<0.13	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/4/2016	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/17/2016	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/17/2017	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/11/2017	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/20/2018						<0.13				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/24/2018				<0.13	<0.13			<0.13		
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/25/2018	<0.13	<0.13	<0.13				<0.13		<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/16/2018	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/16/2019	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/1/2019	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	3/30/2020	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/7/2020	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/13/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/20/2021						<0.02				<1
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/2/2022				<1		<0.02	<0.02			<0.02
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/14/2022						<0.02				<0.02
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/1/2023				<0.34		<0.34	<0.34		<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/16/2023						<0.34				<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/29/2024						<0.34	<0.34			<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/10/2024										<0.340
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/11/2024						<0.340				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/23/2025					<0.340					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/25/2025			<0.340					<0.340		
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/28/2025										<0.340
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/30/2025							<0.340			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/5/2025									<0.340	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/6/2025	<0.340	<0.340								
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/7/2025						<0.340				
1,2-Dichlorobenzene	95-50-1	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	7/7/2009								<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	9/2/2009								<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	10/25/2009	<2	<2	<2	<2	<1	<2		<2	<2	
1,2-Dichlorobenzene	95-50-1	ug/L	1/2/2010								<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	3/3/2010								<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	7/8/2010										<1
1,2-Dichlorobenzene	95-50-1	ug/L	9/13/2010										<1
1,2-Dichlorobenzene	95-50-1	ug/L	11/1/2010	<1	<2	<2	<1	<1			<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	4/4/2011										<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	12/5/2011						<1				
1,2-Dichlorobenzene	95-50-1	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	6/25/2012						<1				
1,2-Dichlorobenzene	95-50-1	ug/L	8/1/2012						<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	12/13/2012						<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	2/4/2013						<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
1,2-Dichlorobenzene	95-50-1	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/20/2018						<1				
1,2-Dichlorobenzene	95-50-1	ug/L	4/24/2018				<1	<1			<1		
1,2-Dichlorobenzene	95-50-1	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/20/2021						<1				<1
1,2-Dichlorobenzene	95-50-1	ug/L	5/2/2022				<1		<1	<1			<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/14/2022						<1				<1
1,2-Dichlorobenzene	95-50-1	ug/L	5/1/2023				<1		<1	<1		<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/16/2023						<1				<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/29/2024						<1	<1			<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/10/2024										<1.00
1,2-Dichlorobenzene	95-50-1	ug/L	10/11/2024						<1.00				
1,2-Dichlorobenzene	95-50-1	ug/L	4/23/2025					<1.00					
1,2-Dichlorobenzene	95-50-1	ug/L	4/25/2025			<1.00					<1.00		
1,2-Dichlorobenzene	95-50-1	ug/L	4/28/2025										<1.00
1,2-Dichlorobenzene	95-50-1	ug/L	4/30/2025							<1.00			
1,2-Dichlorobenzene	95-50-1	ug/L	5/5/2025									<1.00	
1,2-Dichlorobenzene	95-50-1	ug/L	5/6/2025	<1.00	<1.00								
1,2-Dichlorobenzene	95-50-1	ug/L	5/7/2025						<1.00				
1,2-Dichloroethane	107-06-2	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,2-Dichloroethane	107-06-2	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	7/7/2009								<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	9/2/2009								<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	10/25/2009	<2	<2	<2	<2	<1	<2		<2	<2	
1,2-Dichloroethane	107-06-2	ug/L	1/2/2010								<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	3/3/2010								<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
1,2-Dichloroethane	107-06-2	ug/L	7/8/2010										<1
1,2-Dichloroethane	107-06-2	ug/L	9/13/2010										<1
1,2-Dichloroethane	107-06-2	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	4/4/2011										<1
1,2-Dichloroethane	107-06-2	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	12/5/2011						<1				
1,2-Dichloroethane	107-06-2	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	6/25/2012						<1				
1,2-Dichloroethane	107-06-2	ug/L	8/1/2012						<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	12/13/2012						<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	2/4/2013						<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
1,2-Dichloroethane	107-06-2	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/6/2015	<1	<1	0.186J		<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/20/2018						<1				
1,2-Dichloroethane	107-06-2	ug/L	4/24/2018				<1	<1			<1		
1,2-Dichloroethane	107-06-2	ug/L	4/25/2018	<1	<1	0.196J				<1		<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/20/2021						<1				<1
1,2-Dichloroethane	107-06-2	ug/L	5/2/2022				<1		<1	<1			<1
1,2-Dichloroethane	107-06-2	ug/L	10/14/2022						<1				<1
1,2-Dichloroethane	107-06-2	ug/L	5/1/2023				<1		<1	<1		<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/16/2023						<1				<1
1,2-Dichloroethane	107-06-2	ug/L	4/29/2024						<1	<1			<1
1,2-Dichloroethane	107-06-2	ug/L	10/10/2024										<1.00
1,2-Dichloroethane	107-06-2	ug/L	10/11/2024						<1.00				
1,2-Dichloroethane	107-06-2	ug/L	4/23/2025					<1.00					
1,2-Dichloroethane	107-06-2	ug/L	4/25/2025			<1.00					<1.00		
1,2-Dichloroethane	107-06-2	ug/L	4/28/2025										<1.00
1,2-Dichloroethane	107-06-2	ug/L	4/30/2025							<1.00			
1,2-Dichloroethane	107-06-2	ug/L	5/5/2025									<1.00	
1,2-Dichloroethane	107-06-2	ug/L	5/6/2025	<1.00	<1.00								
1,2-Dichloroethane	107-06-2	ug/L	5/7/2025						<1.00				
1,2-Dichloropropane	78-87-5	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	7/7/2009								<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	9/2/2009								<1	<1	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,2-Dichloropropane	78-87-5	ug/L	10/25/2009	<1	<1	<1	<1	<1	<1		<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	1/2/2010								<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	3/3/2010								<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
1,2-Dichloropropane	78-87-5	ug/L	7/8/2010										<1
1,2-Dichloropropane	78-87-5	ug/L	9/13/2010										<1
1,2-Dichloropropane	78-87-5	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	4/4/2011										<1
1,2-Dichloropropane	78-87-5	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	12/5/2011						<1				
1,2-Dichloropropane	78-87-5	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	6/25/2012						<1				
1,2-Dichloropropane	78-87-5	ug/L	8/1/2012						<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	12/13/2012						<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	2/4/2013						<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
1,2-Dichloropropane	78-87-5	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/20/2018						<1				
1,2-Dichloropropane	78-87-5	ug/L	4/24/2018				<1	<1			<1		
1,2-Dichloropropane	78-87-5	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/20/2021						<1				<1
1,2-Dichloropropane	78-87-5	ug/L	5/2/2022				<1		<1	<1			<1
1,2-Dichloropropane	78-87-5	ug/L	10/14/2022						<1				<1
1,2-Dichloropropane	78-87-5	ug/L	5/1/2023				<1		<1	<1		<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/16/2023						<1				<1
1,2-Dichloropropane	78-87-5	ug/L	4/29/2024						<1	<1			<1
1,2-Dichloropropane	78-87-5	ug/L	10/10/2024										<1.00
1,2-Dichloropropane	78-87-5	ug/L	10/11/2024						<1.00				
1,2-Dichloropropane	78-87-5	ug/L	4/23/2025					<1.00					
1,2-Dichloropropane	78-87-5	ug/L	4/25/2025			<1.00					<1.00		
1,2-Dichloropropane	78-87-5	ug/L	4/28/2025										<1.00
1,2-Dichloropropane	78-87-5	ug/L	4/30/2025							<1.00			
1,2-Dichloropropane	78-87-5	ug/L	5/5/2025									<1.00	
1,2-Dichloropropane	78-87-5	ug/L	5/6/2025	<1.00	<1.00								
1,2-Dichloropropane	78-87-5	ug/L	5/7/2025						<1.00				
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/4/2011										<10
1,3,5-Trinitrobenzene	99-35-4	ug/L	10/15/2014								<10		
1,3,5-Trinitrobenzene	99-35-4	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/4/2016										<10.3
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/17/2017				<11						
1,3,5-Trinitrobenzene	99-35-4	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
1,3,5-Trinitrobenzene	99-35-4	ug/L	10/20/2021										<8
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/2/2022				<8						
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/23/2025					<10.4					
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/25/2025			<10.4					<10.2		
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/5/2025									<10.0	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/6/2025	<10.4	<10.4								
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/7/2025						<10.6				
1,3-Dichlorobenzene	541-73-1	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
1,3-Dichlorobenzene	541-73-1	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	
1,3-Dichlorobenzene	541-73-1	ug/L	4/4/2011										<1
1,3-Dichlorobenzene	541-73-1	ug/L	10/15/2014								<1		
1,3-Dichlorobenzene	541-73-1	ug/L	10/5/2015	<1	<1	<1		<1	<1		<1	<1	
1,3-Dichlorobenzene	541-73-1	ug/L	4/4/2016										<1
1,3-Dichlorobenzene	541-73-1	ug/L	4/17/2017				<1						
1,3-Dichlorobenzene	541-73-1	ug/L	3/30/2020	<1	<1	<1		<1	<1		<1	<1	
1,3-Dichlorobenzene	541-73-1	ug/L	10/20/2021										<1
1,3-Dichlorobenzene	541-73-1	ug/L	5/2/2022				<1						
1,3-Dichlorobenzene	541-73-1	ug/L	4/23/2025					<1.00					
1,3-Dichlorobenzene	541-73-1	ug/L	4/25/2025			<1.00					<1.00		
1,3-Dichlorobenzene	541-73-1	ug/L	5/5/2025									<1.00	
1,3-Dichlorobenzene	541-73-1	ug/L	5/6/2025	<1.00	<1.00								
1,3-Dichlorobenzene	541-73-1	ug/L	5/7/2025						<1.00				
1,3-Dichloropropane	142-28-9	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
1,3-Dichloropropane	142-28-9	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	
1,3-Dichloropropane	142-28-9	ug/L	4/4/2011										<1
1,3-Dichloropropane	142-28-9	ug/L	10/15/2014								<1		
1,3-Dichloropropane	142-28-9	ug/L	10/5/2015	<1	<1	<1		<1	<1		<1	<1	
1,3-Dichloropropane	142-28-9	ug/L	4/4/2016										<1
1,3-Dichloropropane	142-28-9	ug/L	4/17/2017				<1						
1,3-Dichloropropane	142-28-9	ug/L	3/30/2020	<1	<1	<1		<1	<1		<1	<1	
1,3-Dichloropropane	142-28-9	ug/L	10/20/2021										<1
1,3-Dichloropropane	142-28-9	ug/L	5/2/2022				<1						
1,3-Dichloropropane	142-28-9	ug/L	4/23/2025					<1.00					
1,3-Dichloropropane	142-28-9	ug/L	4/25/2025			<1.00					<1.00		
1,3-Dichloropropane	142-28-9	ug/L	5/5/2025									<1.00	
1,3-Dichloropropane	142-28-9	ug/L	5/6/2025	<1.00	<1.00								
1,3-Dichloropropane	142-28-9	ug/L	5/7/2025						<1.00				
1,3-Dinitrobenzene	99-65-0	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
1,3-Dinitrobenzene	99-65-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
1,3-Dinitrobenzene	99-65-0	ug/L	4/4/2011										<10
1,3-Dinitrobenzene	99-65-0	ug/L	10/15/2014								<10		
1,3-Dinitrobenzene	99-65-0	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
1,3-Dinitrobenzene	99-65-0	ug/L	4/4/2016										<10.3
1,3-Dinitrobenzene	99-65-0	ug/L	4/17/2017				<11						
1,3-Dinitrobenzene	99-65-0	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
1,3-Dinitrobenzene	99-65-0	ug/L	10/20/2021										<8
1,3-Dinitrobenzene	99-65-0	ug/L	5/2/2022				<8						
1,3-Dinitrobenzene	99-65-0	ug/L	4/23/2025					<10.4					
1,3-Dinitrobenzene	99-65-0	ug/L	4/25/2025			<10.4					<10.2		
1,3-Dinitrobenzene	99-65-0	ug/L	5/5/2025									<10.0	
1,3-Dinitrobenzene	99-65-0	ug/L	5/6/2025	<10.4	<10.4								
1,3-Dinitrobenzene	99-65-0	ug/L	5/7/2025						<10.6				
1,4-Dichlorobenzene	106-46-7	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	7/7/2009								<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	9/2/2009								<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	10/25/2009	<2	<2	<2	<2	<1	<2		<2	<2	
1,4-Dichlorobenzene	106-46-7	ug/L	1/2/2010								<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	3/3/2010								<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	7/8/2010										<1
1,4-Dichlorobenzene	106-46-7	ug/L	9/13/2010										<1
1,4-Dichlorobenzene	106-46-7	ug/L	11/1/2010	<2	<1	<1	<2	<2			<1	<2	
1,4-Dichlorobenzene	106-46-7	ug/L	4/4/2011										<1

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,4-Dichlorobenzene	106-46-7	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	12/5/2011						<1				
1,4-Dichlorobenzene	106-46-7	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	6/25/2012						<1				
1,4-Dichlorobenzene	106-46-7	ug/L	8/1/2012						<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	12/13/2012						<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	2/4/2013						<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
1,4-Dichlorobenzene	106-46-7	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/20/2018						<1				
1,4-Dichlorobenzene	106-46-7	ug/L	4/24/2018				<1	<1			<1		
1,4-Dichlorobenzene	106-46-7	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/20/2021						<1				<1
1,4-Dichlorobenzene	106-46-7	ug/L	5/2/2022				<1		<1	<1			<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/14/2022						<1				<1
1,4-Dichlorobenzene	106-46-7	ug/L	5/1/2023				<1		<1	<1		<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/16/2023						<1				<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/29/2024						<1	<1			<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/10/2024										<1.00
1,4-Dichlorobenzene	106-46-7	ug/L	10/11/2024						<1.00				
1,4-Dichlorobenzene	106-46-7	ug/L	4/23/2025					<1.00					
1,4-Dichlorobenzene	106-46-7	ug/L	4/25/2025			<1.00					<1.00		
1,4-Dichlorobenzene	106-46-7	ug/L	4/28/2025										<1.00
1,4-Dichlorobenzene	106-46-7	ug/L	4/30/2025							<1.00			
1,4-Dichlorobenzene	106-46-7	ug/L	5/5/2025									<1.00	
1,4-Dichlorobenzene	106-46-7	ug/L	5/6/2025	<1.00	<1.00								
1,4-Dichlorobenzene	106-46-7	ug/L	5/7/2025						<1.00				
1,4-Naphthoquinone	130-15-4	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
1,4-Naphthoquinone	130-15-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
1,4-Naphthoquinone	130-15-4	ug/L	4/4/2011										<10
1,4-Naphthoquinone	130-15-4	ug/L	10/15/2014								<10		
1,4-Naphthoquinone	130-15-4	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
1,4-Naphthoquinone	130-15-4	ug/L	4/4/2016										<10.3
1,4-Naphthoquinone	130-15-4	ug/L	4/17/2017				<11						
1,4-Naphthoquinone	130-15-4	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
1,4-Naphthoquinone	130-15-4	ug/L	10/20/2021										<8
1,4-Naphthoquinone	130-15-4	ug/L	5/2/2022				<8						
1,4-Naphthoquinone	130-15-4	ug/L	4/23/2025					<10.4					
1,4-Naphthoquinone	130-15-4	ug/L	4/25/2025			<10.4					<10.2		
1,4-Naphthoquinone	130-15-4	ug/L	5/5/2025									<10.0	
1,4-Naphthoquinone	130-15-4	ug/L	5/6/2025	<10.4	<10.4								
1,4-Naphthoquinone	130-15-4	ug/L	5/7/2025						<10.6				
1,4-Phenylenediamine	106-50-3	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
1,4-Phenylenediamine	106-50-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
1,4-Phenylenediamine	106-50-3	ug/L	4/4/2011										<10
1,4-Phenylenediamine	106-50-3	ug/L	10/15/2014								<10		
1,4-Phenylenediamine	106-50-3	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
1,4-Phenylenediamine	106-50-3	ug/L	4/4/2016										<10.3

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
1,4-Phenylenediamine	106-50-3	ug/L	4/17/2017				<11						
1,4-Phenylenediamine	106-50-3	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
1,4-Phenylenediamine	106-50-3	ug/L	10/20/2021										<8
1,4-Phenylenediamine	106-50-3	ug/L	5/2/2022				<8						
1,4-phenylenediamine	106-50-3	ug/L	4/23/2025					<10.4					
1,4-phenylenediamine	106-50-3	ug/L	4/25/2025			<10.4					<10.2		
1,4-phenylenediamine	106-50-3	ug/L	5/5/2025									<10.0	
1,4-phenylenediamine	106-50-3	ug/L	5/6/2025	<10.4	<10.4								
1,4-phenylenediamine	106-50-3	ug/L	5/7/2025						<10.6				
1-Naphthylamine	134-32-7	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
1-Naphthylamine	134-32-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
1-Naphthylamine	134-32-7	ug/L	4/4/2011										<10
1-Naphthylamine	134-32-7	ug/L	10/15/2014								<10		
1-Naphthylamine	134-32-7	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
1-Naphthylamine	134-32-7	ug/L	4/4/2016										<10.3
1-Naphthylamine	134-32-7	ug/L	4/17/2017				<11						
1-Naphthylamine	134-32-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
1-Naphthylamine	134-32-7	ug/L	10/20/2021										<8
1-Naphthylamine	134-32-7	ug/L	5/2/2022				<8						
1-Naphthylamine	134-32-7	ug/L	4/23/2025					<10.4					
1-Naphthylamine	134-32-7	ug/L	4/25/2025			<10.4					<10.2		
1-Naphthylamine	134-32-7	ug/L	5/5/2025									<10.0	
1-Naphthylamine	134-32-7	ug/L	5/6/2025	<10.4	<10.4								
1-Naphthylamine	134-32-7	ug/L	5/7/2025						<10.6				
2,2-Dichloropropane	594-20-7	ug/L	4/14/2009	<4	<4	<4	<4	<4	<4				
2,2-Dichloropropane	594-20-7	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4			<4	
2,2-Dichloropropane	594-20-7	ug/L	4/4/2011										<4
2,2-Dichloropropane	594-20-7	ug/L	10/15/2014								<4		
2,2-Dichloropropane	594-20-7	ug/L	10/5/2015	<4	<4	<4		<4	<4		<4	<4	
2,2-Dichloropropane	594-20-7	ug/L	4/4/2016										<4
2,2-Dichloropropane	594-20-7	ug/L	4/17/2017				<4						
2,2-Dichloropropane	594-20-7	ug/L	3/30/2020	<4	<4	<4		<4	<4		<4	<4	
2,2-Dichloropropane	594-20-7	ug/L	10/20/2021										<1
2,2-Dichloropropane	594-20-7	ug/L	5/2/2022				<1						
2,2-Dichloropropane	594-20-7	ug/L	4/23/2025					<4.00					
2,2-Dichloropropane	594-20-7	ug/L	4/25/2025			<4.00					<4.00		
2,2-Dichloropropane	594-20-7	ug/L	5/5/2025									<4.00	
2,2-Dichloropropane	594-20-7	ug/L	5/6/2025	<4.00	<4.00								
2,2-Dichloropropane	594-20-7	ug/L	5/7/2025						<4.00				
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/4/2011										<10
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	10/15/2014								<10		
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/4/2016										<10.3
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/17/2017				<11						
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	10/20/2021										<8
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/2/2022				<8						
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/23/2025					<10.4					
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/25/2025			<10.4					<10.2		
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/5/2025									<10.0	
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/6/2025	<10.4	<10.4								
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/7/2025						<10.6				
2,4,5-T	93-76-5	ug/L	4/23/2025					<0.162					
2,4,5-T	93-76-5	ug/L	4/25/2025			<0.171					<0.165		
2,4,5-T	93-76-5	ug/L	5/5/2025									<0.150	
2,4,5-T	93-76-5	ug/L	5/6/2025	<0.165	<0.168								
2,4,5-T	93-76-5	ug/L	5/7/2025						<0.156				
2,4,5-T [2C]	93-76-5	ug/L	4/14/2009	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				
2,4,5-T [2C]	93-76-5	ug/L	5/10/2010	<0.5	<0.5	<0.51	<0.47	<0.5	<0.47			<0.47	
2,4,5-T [2C]	93-76-5	ug/L	4/4/2011										<0.5
2,4,5-T [2C]	93-76-5	ug/L	10/15/2014								<1.08		

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
2,4,5-T [2C]	93-76-5	ug/L	10/5/2015	<1.03	<1.01	<1.03		<1.01	<1.06		<10.7	<1.01	
2,4,5-T [2C]	93-76-5	ug/L	4/4/2016										<1.06
2,4,5-T [2C]	93-76-5	ug/L	4/17/2017				<1.08						
2,4,5-T [2C]	93-76-5	ug/L	3/30/2020	<1.04	<1.03	<1.04		<1.05	<1.04		<1.04	<1.03	
2,4,5-T [2C]	93-76-5	ug/L	10/20/2021										0.08J
2,4,5-T [2C]	93-76-5	ug/L	5/2/2022				<0.5						
2,4,5-TP [Silvex]	93-72-1	ug/L	4/14/2009	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2				
2,4,5-TP [Silvex]	93-72-1	ug/L	5/10/2010	<0.5	<0.5	<0.51	<0.47	<0.5	<0.47			<0.47	
2,4,5-TP [Silvex]	93-72-1	ug/L	4/4/2011										<0.5
2,4,5-TP [Silvex]	93-72-1	ug/L	10/15/2014								<1.08		
2,4,5-TP [Silvex]	93-72-1	ug/L	10/5/2015	<1.03	<1.01	<1.03		<1.01	<1.06		<10.7	<1.01	
2,4,5-TP [Silvex]	93-72-1	ug/L	4/4/2016										<1.06
2,4,5-TP [Silvex]	93-72-1	ug/L	4/17/2017				<1.08						
2,4,5-TP [Silvex]	93-72-1	ug/L	3/30/2020	<1.04	<1.03	<1.04		<1.05	<1.04		<1.04	<1.03	
2,4,5-TP [Silvex]	93-72-1	ug/L	10/20/2021										<0.5
2,4,5-TP [Silvex]	93-72-1	ug/L	5/2/2022				0.09J						
2,4,5-Trichlorophenol	95-95-4	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2,4,5-Trichlorophenol	95-95-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2,4,5-Trichlorophenol	95-95-4	ug/L	4/4/2011										<10
2,4,5-Trichlorophenol	95-95-4	ug/L	10/15/2014								<10		
2,4,5-Trichlorophenol	95-95-4	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2,4,5-Trichlorophenol	95-95-4	ug/L	4/4/2016										<10.3
2,4,5-Trichlorophenol	95-95-4	ug/L	4/17/2017				<11						
2,4,5-Trichlorophenol	95-95-4	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2,4,5-Trichlorophenol	95-95-4	ug/L	10/20/2021										<8
2,4,5-Trichlorophenol	95-95-4	ug/L	5/2/2022				<8						
2,4,5-Trichlorophenol	95-95-4	ug/L	4/23/2025					<10.4					
2,4,5-Trichlorophenol	95-95-4	ug/L	4/25/2025			<10.4					<10.2		
2,4,5-Trichlorophenol	95-95-4	ug/L	5/5/2025									<10.0	
2,4,5-Trichlorophenol	95-95-4	ug/L	5/6/2025	<10.4	<10.4								
2,4,5-Trichlorophenol	95-95-4	ug/L	5/7/2025						<10.6				
2,4,6-Trichlorophenol	88-06-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2,4,6-Trichlorophenol	88-06-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2,4,6-Trichlorophenol	88-06-2	ug/L	4/4/2011										<10
2,4,6-Trichlorophenol	88-06-2	ug/L	10/15/2014								<10		
2,4,6-Trichlorophenol	88-06-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2,4,6-Trichlorophenol	88-06-2	ug/L	4/4/2016										<10.3
2,4,6-Trichlorophenol	88-06-2	ug/L	4/17/2017				<11						
2,4,6-Trichlorophenol	88-06-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2,4,6-Trichlorophenol	88-06-2	ug/L	10/20/2021										<8
2,4,6-Trichlorophenol	88-06-2	ug/L	5/2/2022				<8						
2,4,6-Trichlorophenol	88-06-2	ug/L	4/23/2025					<10.4					
2,4,6-Trichlorophenol	88-06-2	ug/L	4/25/2025			<10.4					<10.2		
2,4,6-Trichlorophenol	88-06-2	ug/L	5/5/2025									<10.0	
2,4,6-Trichlorophenol	88-06-2	ug/L	5/6/2025	<10.4	<10.4								
2,4,6-Trichlorophenol	88-06-2	ug/L	5/7/2025						<10.6				
2,4-D	94-75-7	ug/L	4/23/2025					<0.648					
2,4-D	94-75-7	ug/L	4/25/2025			<0.684					<0.661		
2,4-D	94-75-7	ug/L	5/5/2025									<0.602	
2,4-D	94-75-7	ug/L	5/6/2025	<0.659	<0.672								
2,4-D	94-75-7	ug/L	5/7/2025						<0.623				
2,4-D [2C]	94-75-7	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
2,4-D [2C]	94-75-7	ug/L	5/10/2010	<1	<1	<1	<0.93	<1	<0.93			<0.93	
2,4-D [2C]	94-75-7	ug/L	4/4/2011										<1
2,4-D [2C]	94-75-7	ug/L	10/15/2014								<1.08		
2,4-D [2C]	94-75-7	ug/L	10/5/2015	<1.03	<1.01	<1.03		<1.01	<1.06		<10.7	<1.01	
2,4-D [2C]	94-75-7	ug/L	4/4/2016										<1.06
2,4-D [2C]	94-75-7	ug/L	4/17/2017				<1.08						
2,4-D [2C]	94-75-7	ug/L	3/30/2020	<1.04	<1.03	<1.04		<1.05	<1.04		<1.04	<1.03	
2,4-D [2C]	94-75-7	ug/L	10/20/2021										<2
2,4-D [2C]	94-75-7	ug/L	5/2/2022				<2						
2,4-Dichlorophenol	120-83-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2,4-Dichlorophenol	120-83-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
2,4-Dichlorophenol	120-83-2	ug/L	4/4/2011										<10
2,4-Dichlorophenol	120-83-2	ug/L	10/15/2014								<10		
2,4-Dichlorophenol	120-83-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2,4-Dichlorophenol	120-83-2	ug/L	4/4/2016										<10.3
2,4-Dichlorophenol	120-83-2	ug/L	4/17/2017				<11						
2,4-Dichlorophenol	120-83-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2,4-Dichlorophenol	120-83-2	ug/L	10/20/2021										<8
2,4-Dichlorophenol	120-83-2	ug/L	5/2/2022				<8						
2,4-Dichlorophenol	120-83-2	ug/L	4/23/2025					<10.4					
2,4-Dichlorophenol	120-83-2	ug/L	4/25/2025			<10.4					<10.2		
2,4-Dichlorophenol	120-83-2	ug/L	5/5/2025									<10.0	
2,4-Dichlorophenol	120-83-2	ug/L	5/6/2025	<10.4	<10.4								
2,4-Dichlorophenol	120-83-2	ug/L	5/7/2025						<10.6				
2,4-Dimethylphenol	105-67-9	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2,4-Dimethylphenol	105-67-9	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2,4-Dimethylphenol	105-67-9	ug/L	4/4/2011										<10
2,4-Dimethylphenol	105-67-9	ug/L	10/15/2014								<10		
2,4-Dimethylphenol	105-67-9	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2,4-Dimethylphenol	105-67-9	ug/L	4/4/2016										<10.3
2,4-Dimethylphenol	105-67-9	ug/L	4/17/2017				<11						
2,4-Dimethylphenol	105-67-9	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2,4-Dimethylphenol	105-67-9	ug/L	10/20/2021										<8
2,4-Dimethylphenol	105-67-9	ug/L	5/2/2022				<8						
2,4-Dimethylphenol	105-67-9	ug/L	4/23/2025					<10.4					
2,4-Dimethylphenol	105-67-9	ug/L	4/25/2025			<10.4					<10.2		
2,4-Dimethylphenol	105-67-9	ug/L	5/5/2025									<10.0	
2,4-Dimethylphenol	105-67-9	ug/L	5/6/2025	<10.4	<10.4								
2,4-Dimethylphenol	105-67-9	ug/L	5/7/2025						<10.6				
2,4-Dinitrophenol	51-28-5	ug/L	4/14/2009	<20	<20	<20	<20	<40	<20				
2,4-Dinitrophenol	51-28-5	ug/L	5/10/2010	<20	<20	<20	<20	<20	<20			<20	
2,4-Dinitrophenol	51-28-5	ug/L	4/4/2011										<20
2,4-Dinitrophenol	51-28-5	ug/L	10/15/2014								<20		
2,4-Dinitrophenol	51-28-5	ug/L	10/5/2015	<20.6	<20	<20		<20.6	<21.5		<21.7	<20	
2,4-Dinitrophenol	51-28-5	ug/L	4/4/2016										<20.6
2,4-Dinitrophenol	51-28-5	ug/L	4/17/2017				<22						
2,4-Dinitrophenol	51-28-5	ug/L	3/30/2020	<20.8	<20.8	<20.4		<20.4	<20.6		<20.8	<20.8	
2,4-Dinitrophenol	51-28-5	ug/L	10/20/2021										<8
2,4-Dinitrophenol	51-28-5	ug/L	5/2/2022				<8						
2,4-Dinitrophenol	51-28-5	ug/L	4/23/2025					<20.8					
2,4-Dinitrophenol	51-28-5	ug/L	4/25/2025			<20.8					<20.4		
2,4-Dinitrophenol	51-28-5	ug/L	5/5/2025									<20.0	
2,4-Dinitrophenol	51-28-5	ug/L	5/6/2025	<20.8	<20.8								
2,4-Dinitrophenol	51-28-5	ug/L	5/7/2025						<21.3				
2,4-Dinitrotoluene	121-14-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2,4-Dinitrotoluene	121-14-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2,4-Dinitrotoluene	121-14-2	ug/L	4/4/2011										<10
2,4-Dinitrotoluene	121-14-2	ug/L	10/15/2014								<10		
2,4-Dinitrotoluene	121-14-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2,4-Dinitrotoluene	121-14-2	ug/L	4/4/2016										<10.3
2,4-Dinitrotoluene	121-14-2	ug/L	4/17/2017				<11						
2,4-Dinitrotoluene	121-14-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2,4-Dinitrotoluene	121-14-2	ug/L	10/20/2021										<8
2,4-Dinitrotoluene	121-14-2	ug/L	5/2/2022				<8						
2,4-Dinitrotoluene	121-14-2	ug/L	4/23/2025					<10.4					
2,4-Dinitrotoluene	121-14-2	ug/L	4/25/2025			<10.4					<10.2		
2,4-Dinitrotoluene	121-14-2	ug/L	5/5/2025									<10.0	
2,4-Dinitrotoluene	121-14-2	ug/L	5/6/2025	<10.4	<10.4								
2,4-Dinitrotoluene	121-14-2	ug/L	5/7/2025						<10.6				
2,6-Dichlorophenol	87-65-0	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2,6-Dichlorophenol	87-65-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2,6-Dichlorophenol	87-65-0	ug/L	4/4/2011										<10
2,6-Dichlorophenol	87-65-0	ug/L	10/15/2014								<10		
2,6-Dichlorophenol	87-65-0	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
2,6-Dichlorophenol	87-65-0	ug/L	4/4/2016										<10.3
2,6-Dichlorophenol	87-65-0	ug/L	4/17/2017				<11						
2,6-Dichlorophenol	87-65-0	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2,6-Dichlorophenol	87-65-0	ug/L	10/20/2021										<8
2,6-Dichlorophenol	87-65-0	ug/L	5/2/2022				<8						
2,6-Dichlorophenol	87-65-0	ug/L	4/23/2025					<10.4					
2,6-Dichlorophenol	87-65-0	ug/L	4/25/2025			<10.4					<10.2		
2,6-Dichlorophenol	87-65-0	ug/L	5/5/2025									<10.0	
2,6-Dichlorophenol	87-65-0	ug/L	5/6/2025	<10.4	<10.4								
2,6-Dichlorophenol	87-65-0	ug/L	5/7/2025						<10.6				
2,6-Dinitrotoluene	606-20-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2,6-Dinitrotoluene	606-20-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2,6-Dinitrotoluene	606-20-2	ug/L	4/4/2011										<10
2,6-Dinitrotoluene	606-20-2	ug/L	10/15/2014								<10		
2,6-Dinitrotoluene	606-20-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2,6-Dinitrotoluene	606-20-2	ug/L	4/4/2016										<10.3
2,6-Dinitrotoluene	606-20-2	ug/L	4/17/2017				<11						
2,6-Dinitrotoluene	606-20-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2,6-Dinitrotoluene	606-20-2	ug/L	10/20/2021										<8
2,6-Dinitrotoluene	606-20-2	ug/L	5/2/2022				<8						
2,6-Dinitrotoluene	606-20-2	ug/L	4/23/2025					<10.4					
2,6-Dinitrotoluene	606-20-2	ug/L	4/25/2025			<10.4					<10.2		
2,6-Dinitrotoluene	606-20-2	ug/L	5/5/2025									<10.0	
2,6-Dinitrotoluene	606-20-2	ug/L	5/6/2025	<10.4	<10.4								
2,6-Dinitrotoluene	606-20-2	ug/L	5/7/2025						<10.6				
2-Acetylaminofluorene	53-96-3	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2-Acetylaminofluorene	53-96-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2-Acetylaminofluorene	53-96-3	ug/L	4/4/2011										<10
2-Acetylaminofluorene	53-96-3	ug/L	10/15/2014								<10		
2-Acetylaminofluorene	53-96-3	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2-Acetylaminofluorene	53-96-3	ug/L	4/4/2016										<10.3
2-Acetylaminofluorene	53-96-3	ug/L	4/17/2017				<11						
2-Acetylaminofluorene	53-96-3	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2-Acetylaminofluorene	53-96-3	ug/L	10/20/2021										<8
2-Acetylaminofluorene	53-96-3	ug/L	5/2/2022				<8						
2-Acetylaminofluorene	53-96-3	ug/L	4/23/2025					<10.4					
2-Acetylaminofluorene	53-96-3	ug/L	4/25/2025			<10.4					<10.2		
2-Acetylaminofluorene	53-96-3	ug/L	5/5/2025									<10.0	
2-Acetylaminofluorene	53-96-3	ug/L	5/6/2025	<10.4	<10.4								
2-Acetylaminofluorene	53-96-3	ug/L	5/7/2025						<10.6				
2-Butanone (MEK)	78-93-3	ug/L	2/27/2008	<10	<10	<10	<10	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	5/12/2008	<10	<10	<10	<10	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	7/13/2008	<10	<10	<10	<10	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	9/14/2008	<10	<10	<10	<10	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	11/17/2008	<10	<10	<10	<10	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	4/14/2009	<10	<10	<10	<10	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	7/7/2009								<10	<10	
2-Butanone (MEK)	78-93-3	ug/L	9/2/2009								<10	<10	
2-Butanone (MEK)	78-93-3	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10		<10	<10	
2-Butanone (MEK)	78-93-3	ug/L	1/2/2010								<10	<10	
2-Butanone (MEK)	78-93-3	ug/L	3/3/2010								<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	<10
2-Butanone (MEK)	78-93-3	ug/L	7/8/2010										<10
2-Butanone (MEK)	78-93-3	ug/L	9/13/2010										<10
2-Butanone (MEK)	78-93-3	ug/L	11/1/2010	<10	<10	<10	<10	<10			<10	<10	
2-Butanone (MEK)	78-93-3	ug/L	4/4/2011										<10
2-Butanone (MEK)	78-93-3	ug/L	10/13/2011	<10	<10	<10	<10	<10			<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	12/5/2011						<10				
2-Butanone (MEK)	78-93-3	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10		<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	6/25/2012						<10				
2-Butanone (MEK)	78-93-3	ug/L	8/1/2012						<10	<10			
2-Butanone (MEK)	78-93-3	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	12/13/2012						<10	<10			

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
2-Butanone (MEK)	78-93-3	ug/L	2/4/2013						<10	<10			
2-Butanone (MEK)	78-93-3	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/7/2013	<10	<10		<10	<10	<10	<10	<10		<10
2-Butanone (MEK)	78-93-3	ug/L	6/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/6/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/5/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/4/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/17/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/17/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/11/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/20/2018						<10				
2-Butanone (MEK)	78-93-3	ug/L	4/24/2018				<10	<10			<10		
2-Butanone (MEK)	78-93-3	ug/L	4/25/2018	<10	<10	<10				<10		<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/16/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/16/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone (MEK)	78-93-3	ug/L	10/20/2021						<5				<5
2-Butanone (MEK)	78-93-3	ug/L	5/2/2022				<5		<10	<10			<10
2-Butanone (MEK)	78-93-3	ug/L	10/14/2022						<10				<10
2-Butanone (MEK)	78-93-3	ug/L	5/1/2023				<10		<10	<10		<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/16/2023						<10				<10
2-Butanone (MEK)	78-93-3	ug/L	4/29/2024						<10	<10			<10
2-Butanone (MEK)	78-93-3	ug/L	10/10/2024										<10.0
2-Butanone (MEK)	78-93-3	ug/L	10/11/2024						<10.0				
2-Butanone (MEK)	78-93-3	ug/L	4/23/2025					<10.0					
2-Butanone (MEK)	78-93-3	ug/L	4/25/2025			<10.0					<10.0		
2-Butanone (MEK)	78-93-3	ug/L	4/28/2025										<10.0
2-Butanone (MEK)	78-93-3	ug/L	4/30/2025							<10.0			
2-Butanone (MEK)	78-93-3	ug/L	5/5/2025									<10.0	
2-Butanone (MEK)	78-93-3	ug/L	5/6/2025	<10.0	<10.0								
2-Butanone (MEK)	78-93-3	ug/L	5/7/2025						<10.0				
2-Chloronaphthalene	91-58-7	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2-Chloronaphthalene	91-58-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2-Chloronaphthalene	91-58-7	ug/L	4/4/2011										<10
2-Chloronaphthalene	91-58-7	ug/L	10/15/2014								<10		
2-Chloronaphthalene	91-58-7	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2-Chloronaphthalene	91-58-7	ug/L	4/4/2016										<10.3
2-Chloronaphthalene	91-58-7	ug/L	4/17/2017				<11						
2-Chloronaphthalene	91-58-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2-Chloronaphthalene	91-58-7	ug/L	10/20/2021										<8
2-Chloronaphthalene	91-58-7	ug/L	5/2/2022				<8						
2-Chloronaphthalene	91-58-7	ug/L	4/23/2025					<10.4					
2-Chloronaphthalene	91-58-7	ug/L	4/25/2025			<10.4					<10.2		
2-Chloronaphthalene	91-58-7	ug/L	5/5/2025									<10.0	
2-Chloronaphthalene	91-58-7	ug/L	5/6/2025	<10.4	<10.4								
2-Chloronaphthalene	91-58-7	ug/L	5/7/2025						<10.6				
2-Chlorophenol	95-57-8	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2-Chlorophenol	95-57-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2-Chlorophenol	95-57-8	ug/L	4/4/2011										<10
2-Chlorophenol	95-57-8	ug/L	10/15/2014								<10		
2-Chlorophenol	95-57-8	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2-Chlorophenol	95-57-8	ug/L	4/4/2016										<10.3
2-Chlorophenol	95-57-8	ug/L	4/17/2017				<11						
2-Chlorophenol	95-57-8	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2-Chlorophenol	95-57-8	ug/L	10/20/2021										<8
2-Chlorophenol	95-57-8	ug/L	5/2/2022				<8						
2-Chlorophenol	95-57-8	ug/L	4/23/2025					<10.4					
2-Chlorophenol	95-57-8	ug/L	4/25/2025			<10.4					<10.2		
2-Chlorophenol	95-57-8	ug/L	5/5/2025									<10.0	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
2-Chlorophenol	95-57-8	ug/L	5/6/2025	<10.4	<10.4								
2-Chlorophenol	95-57-8	ug/L	5/7/2025						<10.6				
2-Hexanone	591-78-6	ug/L	2/27/2008	<10	<10	<10	<10	<10	<10				
2-Hexanone	591-78-6	ug/L	5/12/2008	<10	<10	<10	<10	<10	<10				
2-Hexanone	591-78-6	ug/L	7/13/2008	<10	<10	<10	<10	<10	<10				
2-Hexanone	591-78-6	ug/L	9/14/2008	<10	<10	<10	<10	<10	<10				
2-Hexanone	591-78-6	ug/L	11/17/2008	<10	<10	<10	<10	<10	<10				
2-Hexanone	591-78-6	ug/L	4/14/2009	<10	<10	<10	<10	<10	<10				
2-Hexanone	591-78-6	ug/L	7/7/2009								<10	<10	
2-Hexanone	591-78-6	ug/L	9/2/2009								<10	<10	
2-Hexanone	591-78-6	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10		<10	<10	
2-Hexanone	591-78-6	ug/L	1/2/2010								<10	<10	
2-Hexanone	591-78-6	ug/L	3/3/2010								<10	<10	<10
2-Hexanone	591-78-6	ug/L	5/10/2010	<20	<20	<20	<20	<20	<20			<20	<20
2-Hexanone	591-78-6	ug/L	7/8/2010										<10
2-Hexanone	591-78-6	ug/L	9/13/2010										<10
2-Hexanone	591-78-6	ug/L	11/1/2010	<10	<10	<10	<10	<10			<10	<10	
2-Hexanone	591-78-6	ug/L	4/4/2011										<10
2-Hexanone	591-78-6	ug/L	10/13/2011	<10	<10	<10	<10	<10			<10	<10	<10
2-Hexanone	591-78-6	ug/L	12/5/2011						<10				
2-Hexanone	591-78-6	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10		<10	<10	<10
2-Hexanone	591-78-6	ug/L	6/25/2012						<10				
2-Hexanone	591-78-6	ug/L	8/1/2012						<10	<10			
2-Hexanone	591-78-6	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	12/13/2012						<10	<10			
2-Hexanone	591-78-6	ug/L	2/4/2013						<10	<10			
2-Hexanone	591-78-6	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/7/2013	<10	<10		<10	<10	<10	<10	<10		<10
2-Hexanone	591-78-6	ug/L	6/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/6/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/5/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/4/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/17/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/17/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/11/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/20/2018						<10				
2-Hexanone	591-78-6	ug/L	4/24/2018				<10	<10			<10		
2-Hexanone	591-78-6	ug/L	4/25/2018	<10	<10	<10				<10		<10	<10
2-Hexanone	591-78-6	ug/L	10/16/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/16/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	591-78-6	ug/L	10/20/2021						<5				<5
2-Hexanone	591-78-6	ug/L	5/2/2022				<5		<5	<5			<5
2-Hexanone	591-78-6	ug/L	10/14/2022						<5				<5
2-Hexanone	591-78-6	ug/L	5/1/2023				<10		<10	<10		<10	<10
2-Hexanone	591-78-6	ug/L	10/16/2023						<10				<10
2-Hexanone	591-78-6	ug/L	4/29/2024						<10	<10			<10
2-Hexanone	591-78-6	ug/L	10/10/2024										<10.0
2-Hexanone	591-78-6	ug/L	10/11/2024						<10.0				
2-Hexanone	591-78-6	ug/L	4/23/2025					<10.0					
2-Hexanone	591-78-6	ug/L	4/25/2025			<10.0					<10.0		
2-Hexanone	591-78-6	ug/L	4/28/2025										<10.0
2-Hexanone	591-78-6	ug/L	4/30/2025							<10.0			
2-Hexanone	591-78-6	ug/L	5/5/2025									<10.0	
2-Hexanone	591-78-6	ug/L	5/6/2025	<10.0	<10.0								
2-Hexanone	591-78-6	ug/L	5/7/2025						<10.0				
2-Methylnaphthalene	91-57-6	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2-Methylnaphthalene	91-57-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2-Methylnaphthalene	91-57-6	ug/L	4/4/2011										<10

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
2-Methylnaphthalene	91-57-6	ug/L	10/15/2014								<10		
2-Methylnaphthalene	91-57-6	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2-Methylnaphthalene	91-57-6	ug/L	4/4/2016										<10.3
2-Methylnaphthalene	91-57-6	ug/L	4/17/2017				<11						
2-Methylnaphthalene	91-57-6	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2-Methylnaphthalene	91-57-6	ug/L	10/20/2021										<8
2-Methylnaphthalene	91-57-6	ug/L	5/2/2022				<8						
2-Methylnaphthalene	91-57-6	ug/L	4/23/2025					<10.4					
2-Methylnaphthalene	91-57-6	ug/L	4/25/2025			<10.4					<10.2		
2-Methylnaphthalene	91-57-6	ug/L	5/5/2025									<10.0	
2-Methylnaphthalene	91-57-6	ug/L	5/6/2025	<10.4	<10.4								
2-Methylnaphthalene	91-57-6	ug/L	5/7/2025						<10.6				
2-Methylphenol	95-48-7	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2-Methylphenol	95-48-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2-Methylphenol	95-48-7	ug/L	4/4/2011										<10
2-Methylphenol	95-48-7	ug/L	10/15/2014								<10		
2-Methylphenol	95-48-7	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2-Methylphenol	95-48-7	ug/L	4/4/2016										<10.3
2-Methylphenol	95-48-7	ug/L	4/17/2017				<11						
2-Methylphenol	95-48-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2-Methylphenol	95-48-7	ug/L	10/20/2021										<8
2-Methylphenol	95-48-7	ug/L	5/2/2022				<8						
2-Methylphenol	95-48-7	ug/L	4/23/2025					<10.4					
2-Methylphenol	95-48-7	ug/L	4/25/2025			<10.4					<10.2		
2-Methylphenol	95-48-7	ug/L	5/5/2025									<10.0	
2-Methylphenol	95-48-7	ug/L	5/6/2025	<10.4	<10.4								
2-Methylphenol	95-48-7	ug/L	5/7/2025						<10.6				
2-Naphthylamine	91-59-8	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2-Naphthylamine	91-59-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2-Naphthylamine	91-59-8	ug/L	4/4/2011										<10
2-Naphthylamine	91-59-8	ug/L	10/15/2014								<10		
2-Naphthylamine	91-59-8	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2-Naphthylamine	91-59-8	ug/L	4/4/2016										<10.3
2-Naphthylamine	91-59-8	ug/L	4/17/2017				<11						
2-Naphthylamine	91-59-8	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2-Naphthylamine	91-59-8	ug/L	10/20/2021										<8
2-Naphthylamine	91-59-8	ug/L	5/2/2022				<8						
2-Naphthylamine	91-59-8	ug/L	4/23/2025					<10.4					
2-Naphthylamine	91-59-8	ug/L	4/25/2025			<10.4					<10.2		
2-Naphthylamine	91-59-8	ug/L	5/5/2025									<10.0	
2-Naphthylamine	91-59-8	ug/L	5/6/2025	<10.4	<10.4								
2-Naphthylamine	91-59-8	ug/L	5/7/2025						<10.6				
2-Nitroaniline	88-74-4	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2-Nitroaniline	88-74-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2-Nitroaniline	88-74-4	ug/L	4/4/2011										<10
2-Nitroaniline	88-74-4	ug/L	10/15/2014								<10		
2-Nitroaniline	88-74-4	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2-Nitroaniline	88-74-4	ug/L	4/4/2016										<10.3
2-Nitroaniline	88-74-4	ug/L	4/17/2017				<11						
2-Nitroaniline	88-74-4	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2-Nitroaniline	88-74-4	ug/L	10/20/2021										<8
2-Nitroaniline	88-74-4	ug/L	5/2/2022				<8						
2-Nitroaniline	88-74-4	ug/L	4/23/2025					<10.4					
2-Nitroaniline	88-74-4	ug/L	4/25/2025			<10.4					<10.2		
2-Nitroaniline	88-74-4	ug/L	5/5/2025									<10.0	
2-Nitroaniline	88-74-4	ug/L	5/6/2025	<10.4	<10.4								
2-Nitroaniline	88-74-4	ug/L	5/7/2025						<10.6				
2-Nitrophenol	88-75-5	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
2-Nitrophenol	88-75-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
2-Nitrophenol	88-75-5	ug/L	4/4/2011										<10
2-Nitrophenol	88-75-5	ug/L	10/15/2014								<10		
2-Nitrophenol	88-75-5	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
2-Nitrophenol	88-75-5	ug/L	4/4/2016										<10.3

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
2-Nitrophenol	88-75-5	ug/L	4/17/2017				<11						
2-Nitrophenol	88-75-5	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
2-Nitrophenol	88-75-5	ug/L	10/20/2021										<8
2-Nitrophenol	88-75-5	ug/L	5/2/2022				<8						
2-Nitrophenol	88-75-5	ug/L	4/23/2025					<10.4					
2-Nitrophenol	88-75-5	ug/L	4/25/2025			<10.4					<10.2		
2-Nitrophenol	88-75-5	ug/L	5/5/2025									<10.0	
2-Nitrophenol	88-75-5	ug/L	5/6/2025	<10.4	<10.4								
2-Nitrophenol	88-75-5	ug/L	5/7/2025						<10.6				
3,3'-Dichlorobenzidine	91-94-1	ug/L	4/23/2025					<10.4					
3,3'-Dichlorobenzidine	91-94-1	ug/L	4/25/2025			<10.4					<10.2		
3,3'-Dichlorobenzidine	91-94-1	ug/L	5/5/2025									<10.0	
3,3'-Dichlorobenzidine	91-94-1	ug/L	5/6/2025	<10.4	<10.4								
3,3'-Dichlorobenzidine	91-94-1	ug/L	5/7/2025						<10.6				
3,3'-Dimethylbenzidine	119-93-7	ug/L	4/23/2025					<10.4					
3,3'-Dimethylbenzidine	119-93-7	ug/L	4/25/2025			<10.4					<10.2		
3,3'-Dimethylbenzidine	119-93-7	ug/L	5/5/2025									<10.0	
3,3'-Dimethylbenzidine	119-93-7	ug/L	5/6/2025	<10.4	<10.4								
3,3'-Dimethylbenzidine	119-93-7	ug/L	5/7/2025						<10.6				
3,3-Dichlorobenzidine	91-94-1	ug/L	4/14/2009	<85	<85	<85	<85	<170	<85				
3,3-Dichlorobenzidine	91-94-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
3,3-Dichlorobenzidine	91-94-1	ug/L	4/4/2011										<10
3,3-Dichlorobenzidine	91-94-1	ug/L	10/15/2014								<50		
3,3-Dichlorobenzidine	91-94-1	ug/L	10/5/2015	<51.5	<50	<50		<51.5	<53.8		<54.3	<50	
3,3-Dichlorobenzidine	91-94-1	ug/L	4/4/2016										<51.5
3,3-Dichlorobenzidine	91-94-1	ug/L	4/17/2017				<54.9						
3,3-Dichlorobenzidine	91-94-1	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
3,3-Dichlorobenzidine	91-94-1	ug/L	10/20/2021										<8
3,3-Dichlorobenzidine	91-94-1	ug/L	5/2/2022				<8						
3,3-Dimethylbenzidine	119-93-7	ug/L	4/14/2009	<20	<20	<20	<20	<40	<20				
3,3-Dimethylbenzidine	119-93-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
3,3-Dimethylbenzidine	119-93-7	ug/L	4/4/2011										<10
3,3-Dimethylbenzidine	119-93-7	ug/L	10/15/2014								<10		
3,3-Dimethylbenzidine	119-93-7	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
3,3-Dimethylbenzidine	119-93-7	ug/L	4/4/2016										<10.3
3,3-Dimethylbenzidine	119-93-7	ug/L	4/17/2017				<11						
3,3-Dimethylbenzidine	119-93-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
3,3-Dimethylbenzidine	119-93-7	ug/L	10/20/2021										<8
3,3-Dimethylbenzidine	119-93-7	ug/L	5/2/2022				<8						
3-Methylcholanthrene	56-49-5	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
3-Methylcholanthrene	56-49-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
3-Methylcholanthrene	56-49-5	ug/L	4/4/2011										<10
3-Methylcholanthrene	56-49-5	ug/L	10/15/2014								<10		
3-Methylcholanthrene	56-49-5	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
3-Methylcholanthrene	56-49-5	ug/L	4/4/2016										<10.3
3-Methylcholanthrene	56-49-5	ug/L	4/17/2017				<11						
3-Methylcholanthrene	56-49-5	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
3-Methylcholanthrene	56-49-5	ug/L	10/20/2021										<8
3-Methylcholanthrene	56-49-5	ug/L	5/2/2022				<8						
3-Methylcholanthrene	56-49-5	ug/L	4/23/2025					<10.4					
3-Methylcholanthrene	56-49-5	ug/L	4/25/2025			<10.4					<10.2		
3-Methylcholanthrene	56-49-5	ug/L	5/5/2025									<10.0	
3-Methylcholanthrene	56-49-5	ug/L	5/6/2025	<10.4	<10.4								
3-Methylcholanthrene	56-49-5	ug/L	5/7/2025						<10.6				
3-Nitroaniline	99-09-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
3-Nitroaniline	99-09-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
3-Nitroaniline	99-09-2	ug/L	4/4/2011										<10
3-Nitroaniline	99-09-2	ug/L	10/15/2014								<10		
3-Nitroaniline	99-09-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
3-Nitroaniline	99-09-2	ug/L	4/4/2016										<10.3
3-Nitroaniline	99-09-2	ug/L	4/17/2017				<11						
3-Nitroaniline	99-09-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
3-Nitroaniline	99-09-2	ug/L	10/20/2021										<8

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
3-Nitroaniline	99-09-2	ug/L	5/2/2022				<8						
3-Nitroaniline	99-09-2	ug/L	4/23/2025					<10.4					
3-Nitroaniline	99-09-2	ug/L	4/25/2025			<10.4					<10.2		
3-Nitroaniline	99-09-2	ug/L	5/5/2025									<10.0	
3-Nitroaniline	99-09-2	ug/L	5/6/2025	<10.4	<10.4								
3-Nitroaniline	99-09-2	ug/L	5/7/2025						<10.6				
4,4'-DDD	72-54-8	ug/L	4/23/2025					<0.0904					
4,4'-DDD	72-54-8	ug/L	4/25/2025			<0.0921					<0.0902		
4,4'-DDD	72-54-8	ug/L	5/5/2025									<0.0904	
4,4'-DDD	72-54-8	ug/L	5/6/2025	<0.0900	<0.0916								
4,4'-DDD	72-54-8	ug/L	5/7/2025						<0.0897				
4,4'-DDE	72-55-9	ug/L	4/23/2025					<0.0904					
4,4'-DDE	72-55-9	ug/L	4/25/2025			<0.0921					<0.0902		
4,4'-DDE	72-55-9	ug/L	5/5/2025									<0.0904	
4,4'-DDE	72-55-9	ug/L	5/6/2025	<0.0900	<0.0916								
4,4'-DDE	72-55-9	ug/L	5/7/2025						<0.0897				
4,4'-DDT	50-29-3	ug/L	4/23/2025					<0.0904					
4,4'-DDT	50-29-3	ug/L	4/25/2025			<0.0921					<0.0902		
4,4'-DDT	50-29-3	ug/L	5/5/2025									<0.0904	
4,4'-DDT	50-29-3	ug/L	5/6/2025	<0.0900	<0.0916								
4,4'-DDT	50-29-3	ug/L	5/7/2025						<0.0897				
4,4`-DDD	72-54-8	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
4,4`-DDD	72-54-8	ug/L	7/7/2009		<0.032	<0.032							
4,4`-DDD	72-54-8	ug/L	9/2/2009			<0.032							
4,4`-DDD	72-54-8	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
4,4`-DDD	72-54-8	ug/L	4/4/2011										<0.032
4,4`-DDD	72-54-8	ug/L	10/15/2014								0.302		
4,4`-DDD	72-54-8	ug/L	4/6/2015								0.0308J		
4,4`-DDD	72-54-8	ug/L	6/10/2015								0.0337		
4,4`-DDD	72-54-8	ug/L	8/10/2015								<0.032		
4,4`-DDD	72-54-8	ug/L	9/14/2015								0.0263J		
4,4`-DDD	72-54-8	ug/L	10/5/2015	<0.033	<0.032	0.0218J		<0.0323	<0.0327		<0.0381	<0.032	
4,4`-DDD	72-54-8	ug/L	4/4/2016								<0.032		0.00903J
4,4`-DDD	72-54-8	ug/L	10/17/2016								<0.032		
4,4`-DDD	72-54-8	ug/L	4/17/2017				<0.0337				<0.0327		
4,4`-DDD	72-54-8	ug/L	10/11/2017								0.0032J		
4,4`-DDD	72-54-8	ug/L	4/24/2018								<0.0333		
4,4`-DDD	72-54-8	ug/L	10/16/2018								<0.0333		
4,4`-DDD	72-54-8	ug/L	4/16/2019								<0.0327		
4,4`-DDD	72-54-8	ug/L	3/30/2020	<0.0337	<0.0333	0.0153J		<0.034	<0.033		<0.0337	<0.0337	
4,4`-DDD	72-54-8	ug/L	10/20/2021										<0.05
4,4`-DDD	72-54-8	ug/L	5/2/2022				<0.05						
4,4`-DDE	72-55-9	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
4,4`-DDE	72-55-9	ug/L	7/7/2009		<0.032	<0.032							
4,4`-DDE	72-55-9	ug/L	9/2/2009			<0.032							
4,4`-DDE	72-55-9	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
4,4`-DDE	72-55-9	ug/L	4/4/2011										<0.032
4,4`-DDE	72-55-9	ug/L	10/15/2014								0.0135J		
4,4`-DDE	72-55-9	ug/L	10/5/2015	<0.033	<0.032	<0.032		<0.0323	<0.0327		<0.0381	<0.032	
4,4`-DDE	72-55-9	ug/L	4/4/2016										<0.0333
4,4`-DDE	72-55-9	ug/L	4/17/2017				<0.0337						
4,4`-DDE	72-55-9	ug/L	3/30/2020	<0.0337	<0.0333	<0.0333		<0.034	<0.033		<0.0337	<0.0337	
4,4`-DDE	72-55-9	ug/L	10/20/2021										<0.05
4,4`-DDE	72-55-9	ug/L	5/2/2022				<0.05						
4,4`-DDT	50-29-3	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
4,4`-DDT	50-29-3	ug/L	7/7/2009		<0.032	<0.032							
4,4`-DDT	50-29-3	ug/L	9/2/2009			<0.032							
4,4`-DDT	50-29-3	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
4,4`-DDT	50-29-3	ug/L	4/4/2011										<0.032
4,4`-DDT	50-29-3	ug/L	10/15/2014								0.0398		
4,4`-DDT	50-29-3	ug/L	4/6/2015								<0.032		
4,4`-DDT	50-29-3	ug/L	6/10/2015								<0.032		
4,4`-DDT	50-29-3	ug/L	8/10/2015								<0.032		

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
4,4`-DDT	50-29-3	ug/L	9/14/2015								<0.032		
4,4`-DDT	50-29-3	ug/L	10/5/2015	<0.033	<0.032	<0.032		<0.0323	<0.0327		<0.0381	<0.032	
4,4`-DDT	50-29-3	ug/L	4/4/2016								0.00895J		<0.0333
4,4`-DDT	50-29-3	ug/L	10/17/2016								<0.032		
4,4`-DDT	50-29-3	ug/L	4/17/2017				<0.0337				<0.0327		
4,4`-DDT	50-29-3	ug/L	10/11/2017								<0.0337		
4,4`-DDT	50-29-3	ug/L	4/24/2018								0.00411J		
4,4`-DDT	50-29-3	ug/L	10/16/2018								<0.0333		
4,4`-DDT	50-29-3	ug/L	10/1/2019								<0.0348		
4,4`-DDT	50-29-3	ug/L	3/30/2020	<0.0337	<0.0333	<0.0333		<0.034	<0.033		<0.0337	<0.0337	
4,4`-DDT	50-29-3	ug/L	10/7/2020								<0.0356		
4,4`-DDT	50-29-3	ug/L	4/13/2021								<0.05		
4,4`-DDT	50-29-3	ug/L	10/20/2021										<0.05
4,4`-DDT	50-29-3	ug/L	5/2/2022				<0.05				<0.05		
4,4`-DDT	50-29-3	ug/L	5/1/2023								<0.0696		
4,4`-DDT	50-29-3	ug/L	4/29/2024								<0.08		
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/4/2011										<10
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	10/15/2014								<10		
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/4/2016										<10.3
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/17/2017				<11						
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	10/20/2021										<8
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/2/2022				<8						
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/23/2025					<10.4					
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/25/2025			<10.4					<10.2		
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/5/2025									<10.0	
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/6/2025	<10.4	<10.4								
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/7/2025						<10.6				
4-Aminobiphenyl	92-67-1	ug/L	4/14/2009	<20	<20	<20	<20	<40	<20				
4-Aminobiphenyl	92-67-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
4-Aminobiphenyl	92-67-1	ug/L	4/4/2011										<10
4-Aminobiphenyl	92-67-1	ug/L	10/15/2014								<10		
4-Aminobiphenyl	92-67-1	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
4-Aminobiphenyl	92-67-1	ug/L	4/4/2016										<10.3
4-Aminobiphenyl	92-67-1	ug/L	4/17/2017				<11						
4-Aminobiphenyl	92-67-1	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
4-Aminobiphenyl	92-67-1	ug/L	10/20/2021										<8
4-Aminobiphenyl	92-67-1	ug/L	5/2/2022				<8						
4-Aminobiphenyl	92-67-1	ug/L	4/23/2025					<10.4					
4-Aminobiphenyl	92-67-1	ug/L	4/25/2025			<10.4					<10.2		
4-Aminobiphenyl	92-67-1	ug/L	5/5/2025									<10.0	
4-Aminobiphenyl	92-67-1	ug/L	5/6/2025	<10.4	<10.4								
4-Aminobiphenyl	92-67-1	ug/L	5/7/2025						<10.6				
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/4/2011										<10
4-Bromophenyl phenyl ether	101-55-3	ug/L	10/15/2014								<10		
4-Bromophenyl phenyl ether	101-55-3	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/4/2016										<10.3
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/17/2017				<11						
4-Bromophenyl phenyl ether	101-55-3	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
4-Bromophenyl phenyl ether	101-55-3	ug/L	10/20/2021										<8
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/2/2022				<8						
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/23/2025					<10.4					
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/25/2025			<10.4					<10.2		
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/5/2025									<10.0	
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/6/2025	<10.4	<10.4								
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/7/2025						<10.6				
4-Chloro-3-methylphenol	59-50-7	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
4-Chloro-3-methylphenol	59-50-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
4-Chloro-3-methylphenol	59-50-7	ug/L	4/4/2011										<10
4-Chloro-3-methylphenol	59-50-7	ug/L	10/15/2014								<10		
4-Chloro-3-methylphenol	59-50-7	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
4-Chloro-3-methylphenol	59-50-7	ug/L	4/4/2016										<10.3
4-Chloro-3-methylphenol	59-50-7	ug/L	4/17/2017				<11						
4-Chloro-3-methylphenol	59-50-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
4-Chloro-3-methylphenol	59-50-7	ug/L	10/20/2021										<8
4-Chloro-3-methylphenol	59-50-7	ug/L	5/2/2022				<8						
4-Chloro-3-methylphenol	59-50-7	ug/L	4/23/2025					<10.4					
4-Chloro-3-methylphenol	59-50-7	ug/L	4/25/2025			<10.4					<10.2		
4-Chloro-3-methylphenol	59-50-7	ug/L	5/5/2025									<10.0	
4-Chloro-3-methylphenol	59-50-7	ug/L	5/6/2025	<10.4	<10.4								
4-Chloro-3-methylphenol	59-50-7	ug/L	5/7/2025						<10.6				
4-Chloroaniline	106-47-8	ug/L	4/23/2025					<10.4					
4-Chloroaniline	106-47-8	ug/L	4/25/2025			<10.4					<10.2		
4-Chloroaniline	106-47-8	ug/L	5/5/2025									<10.0	
4-Chloroaniline	106-47-8	ug/L	5/6/2025	<10.4	<10.4								
4-Chloroaniline	106-47-8	ug/L	5/7/2025						<10.6				
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/4/2011										<10
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	10/15/2014								<10		
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/4/2016										<10.3
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/17/2017				<11						
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	10/20/2021										<8
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/2/2022				<8						
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/23/2025					<10.4					
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/25/2025			<10.4					<10.2		
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/5/2025									<10.0	
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/6/2025	<10.4	<10.4								
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/7/2025						<10.6				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	2/27/2008	<10	<10	<10	<10	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/12/2008	<10	<10	<10	<10	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	7/13/2008	<10	<10	<10	<10	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	9/14/2008	<10	<10	<10	<10	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	11/17/2008	<10	<10	<10	<10	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/14/2009	<10	<10	<10	<10	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	7/7/2009								<10	<10	
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	9/2/2009								<10	<10	
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10		<10	<10	
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	1/2/2010								<10	<10	
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	3/3/2010								<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	7/8/2010										<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	9/13/2010										<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	11/1/2010	<10	<10	<10	<10	<10			<10	<10	
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/4/2011										<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/13/2011	<10	<10	<10	<10	<10			<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	12/5/2011						<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10		<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	6/25/2012						<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	8/1/2012						<10	<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	12/13/2012						<10	<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	2/4/2013						<10	<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/7/2013	<10	<10		<10	<10	<10	<10	<10		<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	6/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/6/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/5/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/4/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/17/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/17/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/11/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/20/2018						<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/24/2018				<10	<10			<10		
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/25/2018	<10	<10	<10				<10		<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/16/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/16/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/20/2021						<5				<5
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/2/2022				<5		<5	<5			<5
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/14/2022						<5				<5
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/1/2023				<10		<10	<10		<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/16/2023						<10				<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/29/2024						<10	<10			<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/10/2024										<10.0
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/11/2024						<10.0				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/23/2025					<10.0					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/25/2025			<10.0					<10.0		
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/28/2025										<10.0
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/30/2025							<10.0			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/5/2025									<10.0	
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/6/2025	<10.0	<10.0								
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/7/2025						<10.0				
4-Nitroaniline	100-01-6	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
4-Nitroaniline	100-01-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
4-Nitroaniline	100-01-6	ug/L	4/4/2011										<10
4-Nitroaniline	100-01-6	ug/L	10/15/2014								<10		
4-Nitroaniline	100-01-6	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
4-Nitroaniline	100-01-6	ug/L	4/4/2016										<10.3
4-Nitroaniline	100-01-6	ug/L	4/17/2017				<11						
4-Nitroaniline	100-01-6	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
4-Nitroaniline	100-01-6	ug/L	10/20/2021										<8
4-Nitroaniline	100-01-6	ug/L	5/2/2022				<8						
4-Nitroaniline	100-01-6	ug/L	4/23/2025					<10.4					
4-Nitroaniline	100-01-6	ug/L	4/25/2025			<10.4					<10.2		
4-Nitroaniline	100-01-6	ug/L	5/5/2025									<10.0	
4-Nitroaniline	100-01-6	ug/L	5/6/2025	<10.4	<10.4								
4-Nitroaniline	100-01-6	ug/L	5/7/2025						<10.6				
4-Nitrophenol	100-02-7	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
4-Nitrophenol	100-02-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
4-Nitrophenol	100-02-7	ug/L	4/4/2011										<10
4-Nitrophenol	100-02-7	ug/L	10/15/2014								<10		
4-Nitrophenol	100-02-7	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
4-Nitrophenol	100-02-7	ug/L	4/4/2016										<10.3
4-Nitrophenol	100-02-7	ug/L	4/17/2017				<11						
4-Nitrophenol	100-02-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
4-Nitrophenol	100-02-7	ug/L	10/20/2021										<8
4-Nitrophenol	100-02-7	ug/L	5/2/2022				<8						
4-Nitrophenol	100-02-7	ug/L	4/23/2025					<10.4					
4-Nitrophenol	100-02-7	ug/L	4/25/2025			<10.4					<10.2		
4-Nitrophenol	100-02-7	ug/L	5/5/2025									<10.0	
4-Nitrophenol	100-02-7	ug/L	5/6/2025	<10.4	<10.4								
4-Nitrophenol	100-02-7	ug/L	5/7/2025						<10.6				
5-Nitro-o-toluidine	99-55-8	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
5-Nitro-o-toluidine	99-55-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
5-Nitro-o-toluidine	99-55-8	ug/L	4/4/2011										<10
5-Nitro-o-toluidine	99-55-8	ug/L	10/15/2014								<10		
5-Nitro-o-toluidine	99-55-8	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
5-Nitro-o-toluidine	99-55-8	ug/L	4/4/2016										<10.3
5-Nitro-o-toluidine	99-55-8	ug/L	4/17/2017				<11						
5-Nitro-o-toluidine	99-55-8	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
5-Nitro-o-toluidine	99-55-8	ug/L	10/20/2021										<8
5-Nitro-o-toluidine	99-55-8	ug/L	5/2/2022				<8						
5-Nitro-o-toluidine	99-55-8	ug/L	4/23/2025					<10.4					
5-Nitro-o-toluidine	99-55-8	ug/L	4/25/2025			<10.4					<10.2		
5-Nitro-o-toluidine	99-55-8	ug/L	5/5/2025									<10.0	
5-Nitro-o-toluidine	99-55-8	ug/L	5/6/2025	<10.4	<10.4								
5-Nitro-o-toluidine	99-55-8	ug/L	5/7/2025						<10.6				
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	4/23/2025					<10.4					
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	4/25/2025			<10.4					<10.2		
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	5/5/2025									<10.0	
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	5/6/2025	<10.4	<10.4								
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	5/7/2025						<10.6				
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	4/4/2011										<10
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	10/15/2014								<10		
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	4/4/2016										<10.3
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	4/17/2017				<11						
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	10/20/2021										<8
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	5/2/2022				<8						
Acenaphthene	83-32-9	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Acenaphthene	83-32-9	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Acenaphthene	83-32-9	ug/L	4/4/2011										<10
Acenaphthene	83-32-9	ug/L	10/15/2014								<10		
Acenaphthene	83-32-9	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Acenaphthene	83-32-9	ug/L	4/4/2016										<10.3
Acenaphthene	83-32-9	ug/L	4/17/2017				<11						
Acenaphthene	83-32-9	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Acenaphthene	83-32-9	ug/L	10/20/2021										<8
Acenaphthene	83-32-9	ug/L	5/2/2022				<8						
Acenaphthene	83-32-9	ug/L	4/23/2025					<10.4					
Acenaphthene	83-32-9	ug/L	4/25/2025			<10.4					<10.2		
Acenaphthene	83-32-9	ug/L	5/5/2025									<10.0	
Acenaphthene	83-32-9	ug/L	5/6/2025	<10.4	<10.4								
Acenaphthene	83-32-9	ug/L	5/7/2025						<10.6				
Acenaphthylene	208-96-8	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Acenaphthylene	208-96-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Acenaphthylene	208-96-8	ug/L	4/4/2011										<10
Acenaphthylene	208-96-8	ug/L	10/15/2014								<10		
Acenaphthylene	208-96-8	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Acenaphthylene	208-96-8	ug/L	4/4/2016										<10.3
Acenaphthylene	208-96-8	ug/L	4/17/2017				<11						
Acenaphthylene	208-96-8	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Acenaphthylene	208-96-8	ug/L	10/20/2021										<8
Acenaphthylene	208-96-8	ug/L	5/2/2022				<8						
Acenaphthylene	208-96-8	ug/L	4/23/2025					<10.4					
Acenaphthylene	208-96-8	ug/L	4/25/2025			<10.4					<10.2		
Acenaphthylene	208-96-8	ug/L	5/5/2025									<10.0	
Acenaphthylene	208-96-8	ug/L	5/6/2025	<10.4	<10.4								
Acenaphthylene	208-96-8	ug/L	5/7/2025						<10.6				
Acetone	67-64-1	ug/L	2/27/2008	<10	<10	<10	<10	<10	<10				
Acetone	67-64-1	ug/L	5/12/2008	<10	<10	<10	<10	<10	<10				
Acetone	67-64-1	ug/L	7/13/2008	<10	<10	<10	<10	<10	<10				
Acetone	67-64-1	ug/L	9/14/2008	<10	<10	<10	<10	<10	<10				
Acetone	67-64-1	ug/L	11/17/2008	<10	<10	<10	<10	<10	<10				
Acetone	67-64-1	ug/L	4/14/2009	<10	<10	<10	<10	<10	<10				
Acetone	67-64-1	ug/L	7/7/2009								<10	<10	
Acetone	67-64-1	ug/L	9/2/2009								<10	<10	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Acetone	67-64-1	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10		<10	<10	
Acetone	67-64-1	ug/L	1/2/2010								<10	<10	
Acetone	67-64-1	ug/L	3/3/2010								<10	<10	<10
Acetone	67-64-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	<10
Acetone	67-64-1	ug/L	7/8/2010										<10
Acetone	67-64-1	ug/L	9/13/2010										<10
Acetone	67-64-1	ug/L	11/1/2010	<10	<10	<10	<10	<10			<10	<10	
Acetone	67-64-1	ug/L	4/4/2011										<10
Acetone	67-64-1	ug/L	10/13/2011	<10	<10	<10	<10	<10			<10	<10	<10
Acetone	67-64-1	ug/L	12/5/2011						<10				
Acetone	67-64-1	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10		<10	<10	<10
Acetone	67-64-1	ug/L	6/25/2012						<10				
Acetone	67-64-1	ug/L	8/1/2012						<10	<10			
Acetone	67-64-1	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	12/13/2012						<10	<10			
Acetone	67-64-1	ug/L	2/4/2013						<10	<10			
Acetone	67-64-1	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/7/2013	<10	<10		<10	<10	<10	<10	<10		<10
Acetone	67-64-1	ug/L	6/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	4/6/2015	8.61J	<10	<10		<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/5/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	4/4/2016	<10	<10	<10	<10	2.35J	5.1J	1.87J	3.36J	<10; 2.54J	<10
Acetone	67-64-1	ug/L	10/17/2016	2.3J	2.41J	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	4/17/2017	2.18J	<10	<10	<10	<10	<10	<10	<10	2.71J	3.02J
Acetone	67-64-1	ug/L	10/11/2017	4.04J	2.31J; 4.81J	3.79J	4.53J	2.46J	2.17J	4.24J	2.82J	3.08J	5.74J
Acetone	67-64-1	ug/L	4/20/2018						<10				
Acetone	67-64-1	ug/L	4/24/2018				2.29J	2.35J			2.11J		
Acetone	67-64-1	ug/L	4/25/2018	2.52J	<10	30.3				<10		3.18J	2.59J; 3.32J
Acetone	67-64-1	ug/L	10/16/2018	3.16J	<10	3.15J	4J	<10	<10	<10	<10	<10	6.86J
Acetone	67-64-1	ug/L	4/16/2019	<10	<10	4.31J	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/1/2019	3.32J	4.67J	4.41J	<10	3.22J	<10	<10	3.6J	<10	4.5J
Acetone	67-64-1	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	4/13/2021	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/20/2021						<10				<10
Acetone	67-64-1	ug/L	5/2/2022				<10		<10	<10			<10
Acetone	67-64-1	ug/L	10/14/2022						<10				<10
Acetone	67-64-1	ug/L	5/1/2023				<10		<10	<10		<10	<10
Acetone	67-64-1	ug/L	10/16/2023						<10				10.2
Acetone	67-64-1	ug/L	4/29/2024						<10	<10			<10
Acetone	67-64-1	ug/L	10/10/2024										<10.0
Acetone	67-64-1	ug/L	10/11/2024						<10.0				
Acetone	67-64-1	ug/L	4/23/2025					<10.0					
Acetone	67-64-1	ug/L	4/25/2025			<10.0					<10.0		
Acetone	67-64-1	ug/L	4/28/2025										<10.0
Acetone	67-64-1	ug/L	4/30/2025							<10.0			
Acetone	67-64-1	ug/L	5/5/2025									<10.0	
Acetone	67-64-1	ug/L	5/6/2025	<10.0	<10.0								
Acetone	67-64-1	ug/L	5/7/2025						<10.0				
Acetonitrile	75-05-8	mg/L	4/14/2009	<10	<10	<10	<10	<10	<10				
Acetonitrile	75-05-8	mg/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Acetonitrile	75-05-8	mg/L	4/4/2011										<10
Acetonitrile	75-05-8	mg/L	10/15/2014								<10		
Acetonitrile	75-05-8	mg/L	10/5/2015	<10	<10	<10		<10	<10		<10	<10	
Acetonitrile	75-05-8	mg/L	4/4/2016										<10
Acetonitrile	75-05-8	mg/L	4/17/2017				<10						
Acetonitrile	75-05-8	mg/L	3/30/2020	<10	<10	<10		<10	<10		<10	<10	
Acetonitrile	75-05-8	mg/L	10/20/2021										<0.01
Acetonitrile	75-05-8	mg/L	5/2/2022				<0.01						
Acetonitrile	75-05-8	mg/L	4/23/2025					<10.0					
Acetonitrile	75-05-8	mg/L	4/25/2025			<10.0					<10.0		
Acetonitrile	75-05-8	mg/L	5/5/2025									5.45	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Acetonitrile	75-05-8	mg/L	5/6/2025	<10.0	<10.0								
Acetonitrile	75-05-8	mg/L	5/7/2025						<10.0				
Acetophenone	98-86-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Acetophenone	98-86-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Acetophenone	98-86-2	ug/L	4/4/2011										<10
Acetophenone	98-86-2	ug/L	10/15/2014								<10		
Acetophenone	98-86-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Acetophenone	98-86-2	ug/L	4/4/2016										<10.3
Acetophenone	98-86-2	ug/L	4/17/2017				<11						
Acetophenone	98-86-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Acetophenone	98-86-2	ug/L	10/20/2021										<8
Acetophenone	98-86-2	ug/L	5/2/2022				<8						
Acetophenone	98-86-2	ug/L	4/23/2025					<10.4					
Acetophenone	98-86-2	ug/L	4/25/2025			<10.4					<10.2		
Acetophenone	98-86-2	ug/L	5/5/2025									<10.0	
Acetophenone	98-86-2	ug/L	5/6/2025	<10.4	<10.4								
Acetophenone	98-86-2	ug/L	5/7/2025						<10.6				
Acrolein	107-02-8	ug/L	4/14/2009	<10	<10	<10	<10	<10	<10				
Acrolein	107-02-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Acrolein	107-02-8	ug/L	4/4/2011										<10
Acrolein	107-02-8	ug/L	10/15/2014								<10		
Acrolein	107-02-8	ug/L	10/5/2015	<10	<10	<10		<10	<10		<10	<10	
Acrolein	107-02-8	ug/L	4/4/2016										<10
Acrolein	107-02-8	ug/L	4/17/2017				<10						
Acrolein	107-02-8	ug/L	3/30/2020	<10	<10	<10		<10	<10		<10	<10	
Acrolein	107-02-8	ug/L	10/20/2021										<10
Acrolein	107-02-8	ug/L	5/2/2022				<10						
Acrolein	107-02-8	ug/L	4/23/2025					<10.0					
Acrolein	107-02-8	ug/L	4/25/2025			<10.0					<10.0		
Acrolein	107-02-8	ug/L	5/5/2025									<10.0	
Acrolein	107-02-8	ug/L	5/6/2025	<10.0	<10.0								
Acrolein	107-02-8	ug/L	5/7/2025						<10.0				
Acrylonitrile	107-13-1	ug/L	2/27/2008	<10	<10	<10	<10	<10	<10				
Acrylonitrile	107-13-1	ug/L	5/12/2008	<10	<10	<10	<10	<10	<10				
Acrylonitrile	107-13-1	ug/L	7/13/2008	<10	<10	<10	<10	<10	<10				
Acrylonitrile	107-13-1	ug/L	9/14/2008	<10	<10	<10	<10	<10	<10				
Acrylonitrile	107-13-1	ug/L	11/17/2008	<10	<10	<10	<10	<10	<10				
Acrylonitrile	107-13-1	ug/L	4/14/2009	<10	<10	<10	<10	<10	<10				
Acrylonitrile	107-13-1	ug/L	7/7/2009								<10	<10	
Acrylonitrile	107-13-1	ug/L	9/2/2009								<10	<10	
Acrylonitrile	107-13-1	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10		<10	<10	
Acrylonitrile	107-13-1	ug/L	1/2/2010								<10	<10	
Acrylonitrile	107-13-1	ug/L	3/3/2010								<10	<10	<10
Acrylonitrile	107-13-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	<10
Acrylonitrile	107-13-1	ug/L	7/8/2010										<10
Acrylonitrile	107-13-1	ug/L	9/13/2010										<10
Acrylonitrile	107-13-1	ug/L	11/1/2010	<10	<10	<10	<10	<10			<10	<10	
Acrylonitrile	107-13-1	ug/L	4/4/2011										<10
Acrylonitrile	107-13-1	ug/L	10/13/2011	<10	<10	<10	<10	<10			<10	<10	<10
Acrylonitrile	107-13-1	ug/L	12/5/2011						<10				
Acrylonitrile	107-13-1	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10		<10	<10	<10
Acrylonitrile	107-13-1	ug/L	6/25/2012						<10				
Acrylonitrile	107-13-1	ug/L	8/1/2012						<10	<10			
Acrylonitrile	107-13-1	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	12/13/2012						<10	<10			
Acrylonitrile	107-13-1	ug/L	2/4/2013						<10	<10			
Acrylonitrile	107-13-1	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	10/7/2013	<10	<10		<10	<10	<10	<10	<10		<10
Acrylonitrile	107-13-1	ug/L	6/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	4/6/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	10/5/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	4/4/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Acrylonitrile	107-13-1	ug/L	10/17/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	4/17/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/11/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	4/20/2018						<5				
Acrylonitrile	107-13-1	ug/L	4/24/2018				<5	<5			<5		
Acrylonitrile	107-13-1	ug/L	4/25/2018	<5	<5	<5				<5		<5	<5
Acrylonitrile	107-13-1	ug/L	10/16/2018	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	4/16/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/20/2021						<5				<5
Acrylonitrile	107-13-1	ug/L	5/2/2022				<5		<5	<5			<5
Acrylonitrile	107-13-1	ug/L	10/14/2022						<5				<5
Acrylonitrile	107-13-1	ug/L	5/1/2023				<5		<5	<5		<5	<5
Acrylonitrile	107-13-1	ug/L	10/16/2023						<5				<5
Acrylonitrile	107-13-1	ug/L	4/29/2024						<5	<5			<5
Acrylonitrile	107-13-1	ug/L	10/10/2024										<5.00
Acrylonitrile	107-13-1	ug/L	10/11/2024						<5.00				
Acrylonitrile	107-13-1	ug/L	4/23/2025					<5.00					
Acrylonitrile	107-13-1	ug/L	4/25/2025			<5.00					<5.00		
Acrylonitrile	107-13-1	ug/L	4/28/2025										<5.00
Acrylonitrile	107-13-1	ug/L	4/30/2025							<5.00			
Acrylonitrile	107-13-1	ug/L	5/5/2025									<5.00	
Acrylonitrile	107-13-1	ug/L	5/6/2025	<5.00	<5.00								
Acrylonitrile	107-13-1	ug/L	5/7/2025						<5.00				
Aldrin	309-00-2	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
Aldrin	309-00-2	ug/L	7/7/2009		<0.032	<0.032							
Aldrin	309-00-2	ug/L	9/2/2009			<0.032							
Aldrin	309-00-2	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
Aldrin	309-00-2	ug/L	4/4/2011										<0.032
Aldrin	309-00-2	ug/L	10/15/2014								0.0114J		
Aldrin	309-00-2	ug/L	10/5/2015	<0.033	<0.032	<0.032		<0.0323	<0.0327		<0.0381	<0.032	
Aldrin	309-00-2	ug/L	4/4/2016										<0.0333
Aldrin	309-00-2	ug/L	4/17/2017				<0.0337						
Aldrin	309-00-2	ug/L	3/30/2020	<0.0337	<0.0333	<0.00469		<0.00479	<0.033		<0.00474	<0.00474	
Aldrin	309-00-2	ug/L	10/20/2021										<0.05
Aldrin	309-00-2	ug/L	5/2/2022				<0.05						
Aldrin	309-00-2	ug/L	4/23/2025					<0.0904					
Aldrin	309-00-2	ug/L	4/25/2025			<0.0921					<0.0902		
Aldrin	309-00-2	ug/L	5/5/2025									<0.0904	
Aldrin	309-00-2	ug/L	5/6/2025	<0.0900	<0.0916								
Aldrin	309-00-2	ug/L	5/7/2025						<0.0897				
Alkalinity, Phenol [CaCO3]	PALK	mg/L	6/2/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity, Phenol [CaCO3]	PALK	mg/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity, Total [CaCO3]	TALK	mg/L	6/2/2014	330	480	675	516	480	330	134	826	335	521
Alkalinity, Total [CaCO3]	TALK	mg/L	10/15/2014	299	459	774	501	501	341	123	834	294	518
Alkalinity, Total [CaCO3]	TALK	mg/L	3/30/2020								484		
Allyl Chloride	107-05-1	ug/L	4/14/2009	<2	<2	<2	<2	<2	<2				
Allyl Chloride	107-05-1	ug/L	5/10/2010	<2	<2	<2	<2	<2	<2			<2	
Allyl Chloride	107-05-1	ug/L	4/4/2011										<5
Allyl Chloride	107-05-1	ug/L	10/15/2014								<2		
Allyl Chloride	107-05-1	ug/L	10/5/2015	<2	<2	<2		<2	<2		<2	<2	
Allyl Chloride	107-05-1	ug/L	4/4/2016										<2
Allyl Chloride	107-05-1	ug/L	4/17/2017				<2						
Allyl Chloride	107-05-1	ug/L	3/30/2020	<2	<2	<2		<2	<2		<2	<2	
Allyl Chloride	107-05-1	ug/L	10/20/2021										<1
Allyl Chloride	107-05-1	ug/L	5/2/2022				<1						
Allyl chloride	107-05-1	ug/L	4/23/2025					<2.00					
Allyl chloride	107-05-1	ug/L	4/25/2025			<2.00					<2.00		
Allyl chloride	107-05-1	ug/L	5/5/2025									<2.00	
Allyl chloride	107-05-1	ug/L	5/6/2025	<2.00	<2.00								

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Allyl chloride	107-05-1	ug/L	5/7/2025						<2.00				
Alpha-BHC	319-84-6	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
Alpha-BHC	319-84-6	ug/L	7/7/2009		<0.032	<0.032							
Alpha-BHC	319-84-6	ug/L	9/2/2009			<0.032							
Alpha-BHC	319-84-6	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
Alpha-BHC	319-84-6	ug/L	4/4/2011										<0.032
Alpha-BHC	319-84-6	ug/L	10/15/2014								<0.032		
Alpha-BHC	319-84-6	ug/L	10/5/2015	<0.033	<0.032	<0.032		<0.0323	<0.0327		<0.0381	<0.032	
Alpha-BHC	319-84-6	ug/L	4/4/2016										<0.0333
Alpha-BHC	319-84-6	ug/L	4/17/2017				<0.0337						
Alpha-BHC	319-84-6	ug/L	3/30/2020	<0.0337	<0.0333	<0.0333		0.00354J	<0.033		<0.0337	<0.0337	
Alpha-BHC	319-84-6	ug/L	10/20/2021										<0.05
Alpha-BHC	319-84-6	ug/L	5/2/2022				<0.05						
Ammonia as N	7664-41-7	mg/L	4/6/2015	0.125J	0.919	3.75	<0.2	0.171J	<0.2	<0.2	1.39	<0.2	<0.2
Ammonia as N	7664-41-7	mg/L	10/5/2015	0.086J	1.07	5.22	<0.2	0.18J	<0.2	<0.2	0.197J	<0.2	<0.2
Ammonia as N	7664-41-7	mg/L	4/4/2016	<0.2	1.07	3.77	<0.2	0.178J	<0.2	<0.2	2.18	<0.2	<0.2
Ammonia as N	7664-41-7	mg/L	10/17/2016	0.347	1.06	4.35	0.112J	0.273	<0.2	<0.2	0.627	<0.2	<0.2
Anthracene	120-12-7	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Anthracene	120-12-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Anthracene	120-12-7	ug/L	4/4/2011										<10
Anthracene	120-12-7	ug/L	10/15/2014								<10		
Anthracene	120-12-7	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Anthracene	120-12-7	ug/L	4/4/2016										<10.3
Anthracene	120-12-7	ug/L	4/17/2017				<11						
Anthracene	120-12-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Anthracene	120-12-7	ug/L	10/20/2021										<8
Anthracene	120-12-7	ug/L	5/2/2022				<8						
Anthracene	120-12-7	ug/L	4/23/2025					<10.4					
Anthracene	120-12-7	ug/L	4/25/2025			<10.4					<10.2		
Anthracene	120-12-7	ug/L	5/5/2025									<10.0	
Anthracene	120-12-7	ug/L	5/6/2025	<10.4	<10.4								
Anthracene	120-12-7	ug/L	5/7/2025						<10.6				
Antimony	7440-36-0	mg/L	2/27/2008	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006				
Antimony	7440-36-0	mg/L	5/12/2008	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006				
Antimony	7440-36-0	mg/L	7/13/2008	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006				
Antimony	7440-36-0	mg/L	9/14/2008	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006				
Antimony	7440-36-0	mg/L	11/17/2008	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006				
Antimony	7440-36-0	mg/L	4/14/2009	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006				
Antimony	7440-36-0	mg/L	7/7/2009								<0.006	<0.006	
Antimony	7440-36-0	mg/L	9/2/2009								<0.006	<0.006	
Antimony	7440-36-0	mg/L	10/25/2009	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006		<0.006	<0.006	
Antimony	7440-36-0	mg/L	1/2/2010								<0.006	<0.006	
Antimony	7440-36-0	mg/L	3/3/2010								<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	5/10/2010	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002			<0.002	<0.002
Antimony	7440-36-0	mg/L	7/8/2010										<0.006
Antimony	7440-36-0	mg/L	9/13/2010										<0.006
Antimony	7440-36-0	mg/L	11/1/2010	<0.006	<0.006	<0.012	<0.006	<0.006			<0.006	<0.006	
Antimony	7440-36-0	mg/L	4/4/2011	<0.006	<0.006	<0.006	<0.006	<0.006					<0.006
Antimony	7440-36-0	mg/L	10/13/2011	<0.006	<0.006	<0.006	<0.006	<0.006			<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	12/5/2011						<0.006				
Antimony	7440-36-0	mg/L	4/11/2012	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006		<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	6/25/2012						<0.006				
Antimony	7440-36-0	mg/L	8/1/2012						<0.006	<0.006			
Antimony	7440-36-0	mg/L	10/11/2012	<0.012	<0.006	<0.012	<0.006	<0.012	<0.006	<0.006	<0.006	<0.012	<0.012
Antimony	7440-36-0	mg/L	12/13/2012						<0.006	<0.006			
Antimony	7440-36-0	mg/L	3/30/2013	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	10/7/2013	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	6/2/2014	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	10/15/2014	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	4/6/2015	<0.001	<0.001	<0.001		<0.001	<0.001	0.000163J	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	10/5/2015	0.00023J	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	0.000173J	<0.001
Antimony	7440-36-0	mg/L	4/4/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	10/17/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Antimony	7440-36-0	mg/L	4/17/2017	0.000201J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	10/11/2017	0.000273J	<0.001	0.000221J	<0.001	<0.001	<0.001	<0.001	0.000239J	<0.001	0.00022J
Antimony	7440-36-0	mg/L	4/20/2018						<0.001				
Antimony	7440-36-0	mg/L	4/24/2018				<0.001	<0.001			<0.001		
Antimony	7440-36-0	mg/L	4/25/2018	<0.001	<0.004	<0.001				<0.001		<0.001	<0.001
Antimony	7440-36-0	mg/L	10/16/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Antimony	7440-36-0	mg/L	4/16/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	10/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	3/30/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	10/7/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	4/13/2021	<0.002	<0.002	<0.002	<0.002	<0.002	0.001J	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	10/20/2021						0.0005J; 0.0012J				<0.002
Antimony	7440-36-0	mg/L	5/2/2022				<0.002		0.0005J	0.0005J			<0.002
Antimony	7440-36-0	mg/L	10/14/2022						<0.002				<0.002
Antimony	7440-36-0	mg/L	5/1/2023						<0.002	<0.002			<0.002
Antimony	7440-36-0	mg/L	10/16/2023						<0.002				<0.002
Antimony	7440-36-0	mg/L	4/29/2024						<0.002	<0.002			<0.008
Antimony	7440-36-0	mg/L	10/10/2024										<0.00200
Antimony	7440-36-0	mg/L	10/11/2024						<0.00200				
Antimony	7440-36-0	mg/L	4/23/2025					<0.00200					
Antimony	7440-36-0	mg/L	4/25/2025			<0.00200					<0.00200		
Antimony	7440-36-0	mg/L	4/28/2025										<0.0100
Antimony	7440-36-0	mg/L	4/30/2025							<0.00200			
Antimony	7440-36-0	mg/L	5/5/2025									<0.00200	
Antimony	7440-36-0	mg/L	5/6/2025	<0.00200	<0.00200								
Antimony	7440-36-0	mg/L	5/7/2025						<0.00200				
Arsenic	7440-38-2	mg/L	2/27/2008	<0.001	0.005	0.03	0.012	0.002	0.012				
Arsenic	7440-38-2	mg/L	5/12/2008	<0.001	0.012	0.041	0.01	0.002	<0.001				
Arsenic	7440-38-2	mg/L	7/13/2008	0.002	0.005	0.029	0.01	0.002	0.007				
Arsenic	7440-38-2	mg/L	9/14/2008	0.001	0.006	0.08	0.013	0.002	<0.001				
Arsenic	7440-38-2	mg/L	11/17/2008	0.00173	0.00236	0.0498	0.0127	0.00204	<0.001				
Arsenic	7440-38-2	mg/L	4/14/2009	0.0017	0.0067; 0.0068	0.036	0.0092	0.0025	<0.001				
Arsenic	7440-38-2	mg/L	7/7/2009	0.001	0.0044; 0.0038	0.021	0.0074	0.0024			0.003	0.0024	
Arsenic	7440-38-2	mg/L	9/2/2009	0.0029	0.007; 0.0077	0.033	0.01	0.0037			0.0027	0.0018	
Arsenic	7440-38-2	mg/L	10/25/2009	0.0018	0.0072	0.03	0.012	0.003	<0.001		0.0032	0.0024	
Arsenic	7440-38-2	mg/L	1/2/2010	0.0044	0.0051; 0.0048	0.025	0.01	0.0041; 0.0044			0.0055	0.0017	
Arsenic	7440-38-2	mg/L	3/3/2010								0.011	0.0022	0.0056
Arsenic	7440-38-2	mg/L	5/10/2010	0.0013	0.004	0.025	0.011	0.0056	<0.001			0.0034	0.0065
Arsenic	7440-38-2	mg/L	7/8/2010								0.011	0.0025	0.006
Arsenic	7440-38-2	mg/L	9/13/2010								0.0067	0.0021	0.0019
Arsenic	7440-38-2	mg/L	11/1/2010								0.0025	0.0012	
Arsenic	7440-38-2	mg/L	1/10/2011								0.00239	<0.001	
Arsenic	7440-38-2	mg/L	4/4/2011								0.0074	<0.001; 0.0019	<0.001
Arsenic	7440-38-2	mg/L	7/8/2011										0.0013
Arsenic	7440-38-2	mg/L	8/11/2011										0.0102
Arsenic	7440-38-2	mg/L	10/13/2011	0.00151	0.00264	0.0361	0.0105	0.00674			0.00617	<0.001	0.00185
Arsenic	7440-38-2	mg/L	12/5/2011						<0.001				<0.002
Arsenic	7440-38-2	mg/L	4/11/2012	<0.001	0.00172	0.0195	0.00807	0.00451	<0.001		0.00222	<0.001	<0.001
Arsenic	7440-38-2	mg/L	6/25/2012						<0.001				
Arsenic	7440-38-2	mg/L	8/1/2012						<0.001	0.00229			
Arsenic	7440-38-2	mg/L	10/11/2012	<0.001	0.00175	0.14	0.00907	0.00777	<0.001	<0.001	0.00318	<0.001	0.0185
Arsenic	7440-38-2	mg/L	12/13/2012						<0.001	<0.001			
Arsenic	7440-38-2	mg/L	3/30/2013	0.00118	0.00163	0.0204	0.00507	0.00266	<0.001	<0.001	0.00137	<0.001	<0.001
Arsenic	7440-38-2	mg/L	10/7/2013	<0.001	0.00232	0.0121	0.00593	0.0024	<0.001	<0.001	0.00274	0.00103	<0.001
Arsenic	7440-38-2	mg/L	6/2/2014	0.000659J	0.00309	0.0224	0.00692	0.00273	0.00149	0.000446J	0.00228	<0.001	0.00115
Arsenic	7440-38-2	mg/L	10/15/2014	<0.001	0.00175	0.027	0.00851	0.00493	0.00115	<0.001	<0.001	<0.001	<0.001
Arsenic	7440-38-2	mg/L	4/6/2015	0.00115J	0.00241	0.0191	0.00613	0.0034	<0.002	<0.002	0.00152J	<0.002	<0.002
Arsenic	7440-38-2	mg/L	10/5/2015	0.00156J	0.00257	0.0223	0.00664	0.00439	0.00165J	<0.002	0.00127J	0.00249	<0.002
Arsenic	7440-38-2	mg/L	4/4/2016	0.000753J	0.002	0.0145	0.00528	0.00405	0.000891J	<0.002	0.00119J	<0.002	<0.002
Arsenic	7440-38-2	mg/L	10/17/2016	0.00244	0.00241	0.0176	0.00587	0.00455; 0.00542	0.00265	<0.002	0.00128J	0.00432	0.00281
Arsenic	7440-38-2	mg/L	4/17/2017	0.00108J	0.00712; 0.00314	0.0189	0.00156J	0.00266	<0.002	<0.002	<0.002	0.00267	<0.002
Arsenic	7440-38-2	mg/L	10/11/2017	0.00322	0.00272; 0.00255	0.0232	0.00123J	0.00324	0.00109J	<0.002	0.00373	0.000865J	0.000963J
Arsenic	7440-38-2	mg/L	4/20/2018						0.000968J				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Arsenic	7440-38-2	mg/L	4/24/2018				0.00181J	0.00134J			0.00647		
Arsenic	7440-38-2	mg/L	4/25/2018	0.00164J	0.00737J	0.0365				<0.002		0.00152J	0.000796J; 0.000802J
Arsenic	7440-38-2	mg/L	10/16/2018	0.00121	0.00285; 0.00331	0.0174	0.00145	0.00723	0.00377	0.00466	0.00917	0.00115	0.00223
Arsenic	7440-38-2	mg/L	4/16/2019	0.000766J	0.00856	0.0105	<0.002	0.00109J	<0.002	<0.002	0.0119	0.00248	0.00205
Arsenic	7440-38-2	mg/L	10/1/2019	0.00132J	0.00375	0.0185	0.00085J	0.00241	<0.002	<0.002	0.0151	0.00111J	0.00106J
Arsenic	7440-38-2	mg/L	3/30/2020	<0.002	0.00768	0.0149	<0.002	0.00183J	<0.002	<0.002	0.0149	0.00382	0.00351; 0.00273
Arsenic	7440-38-2	mg/L	10/7/2020	0.00125J	0.00349	0.0164	<0.002	0.00237	<0.002	<0.002	0.0178	0.00194J; 0.00142J	<0.002
Arsenic	7440-38-2	mg/L	4/13/2021	<0.004	0.0076	0.0121	<0.004	<0.004	<0.004	<0.004	0.0217	0.0202	0.004
Arsenic	7440-38-2	mg/L	10/20/2021						<0.004; 0.0026J				0.0019J
Arsenic	7440-38-2	mg/L	5/2/2022	0.0012J	0.0093	0.0139	0.0014J	0.002J	0.0023J	0.0015J	0.0032J	0.0149	0.0069
Arsenic	7440-38-2	mg/L	10/14/2022						0.0035J; 0.0028J				0.0031J
Arsenic	7440-38-2	mg/L	5/1/2023	0.000708J	0.00887	0.0196	0.000794J	0.00107J	0.000731J	<0.002	0.00141J	0.00439	0.0279
Arsenic	7440-38-2	mg/L	10/16/2023						0.000596J; 0.000622J				0.00702
Arsenic	7440-38-2	mg/L	4/29/2024	<0.002	0.00737	0.0704	0.000594J	0.00109J	<0.002	<0.002	0.00165J	0.00252; 0.00243	0.0169
Arsenic	7440-38-2	mg/L	10/10/2024										0.0225
Arsenic	7440-38-2	mg/L	10/11/2024						<0.00200				
Arsenic	7440-38-2	mg/L	4/23/2025					0.000963					
Arsenic	7440-38-2	mg/L	4/25/2025			0.0110					0.000921		
Arsenic	7440-38-2	mg/L	4/28/2025										0.139
Arsenic	7440-38-2	mg/L	4/30/2025							<0.00200			
Arsenic	7440-38-2	mg/L	5/5/2025									0.00549	
Arsenic	7440-38-2	mg/L	5/6/2025	0.000655	0.00361								
Arsenic	7440-38-2	mg/L	5/7/2025				0.000752		0.00203				
Barium	7440-39-3	mg/L	2/27/2008	0.212	0.72	0.841	0.853	0.542	0.377				
Barium	7440-39-3	mg/L	5/12/2008	0.142	0.732	0.65	0.721	0.506	0.17				
Barium	7440-39-3	mg/L	7/13/2008	0.175	0.592	0.65	0.81	0.506	0.261				
Barium	7440-39-3	mg/L	9/14/2008	0.174	0.635	0.524	0.791	0.51	0.193				
Barium	7440-39-3	mg/L	11/17/2008	0.235	0.683	0.941	0.815	0.544	0.2				
Barium	7440-39-3	mg/L	4/14/2009	0.186	0.556	1.01	0.779	0.489	0.183				
Barium	7440-39-3	mg/L	7/7/2009	0.0824	0.47	0.34	0.757	0.465	0.169		0.53	0.235	
Barium	7440-39-3	mg/L	9/2/2009	0.169	0.593	0.741	0.736	0.476	0.21		0.61	0.237	
Barium	7440-39-3	mg/L	10/25/2009	0.146	0.6	0.736	0.804	0.491	0.198		0.633	0.259	
Barium	7440-39-3	mg/L	1/2/2010	0.153	0.504	0.691	0.799	0.45	0.19		0.663	0.251	
Barium	7440-39-3	mg/L	3/3/2010								0.74	0.282	0.681
Barium	7440-39-3	mg/L	5/10/2010	0.13	0.472	1.44	0.802	0.403	0.235			0.308	0.68
Barium	7440-39-3	mg/L	7/8/2010								0.75	0.289	0.68
Barium	7440-39-3	mg/L	9/13/2010								0.733	0.292	0.574
Barium	7440-39-3	mg/L	11/1/2010	0.175	0.451	0.662	0.866	0.419			0.662	0.284	
Barium	7440-39-3	mg/L	1/10/2011								0.694	0.252	
Barium	7440-39-3	mg/L	4/4/2011			0.546					0.626	0.26	0.762
Barium	7440-39-3	mg/L	7/8/2011										0.478
Barium	7440-39-3	mg/L	8/11/2011										0.267
Barium	7440-39-3	mg/L	10/13/2011	0.198	0.48	0.716	0.835	0.423			0.808	0.288	0.364
Barium	7440-39-3	mg/L	12/5/2011						0.253				0.235
Barium	7440-39-3	mg/L	4/11/2012	0.116	0.47	0.627	0.758	0.368	0.402		0.755	0.281	0.229
Barium	7440-39-3	mg/L	6/25/2012						0.282				
Barium	7440-39-3	mg/L	8/1/2012						0.292	0.31			
Barium	7440-39-3	mg/L	10/11/2012	0.171	0.445	3.83	0.81	0.408	0.255	0.167	0.819	0.268	0.765
Barium	7440-39-3	mg/L	12/13/2012						0.256	0.149			
Barium	7440-39-3	mg/L	3/30/2013	0.206	0.47	0.735	0.653	0.368	0.28	0.165	0.631	0.268	0.432
Barium	7440-39-3	mg/L	10/7/2013	0.16	0.465	1.31	0.758	0.456	0.587	0.168	0.777	0.272	0.534
Barium	7440-39-3	mg/L	6/2/2014	0.166	0.436	0.658	0.643	0.357	0.555	0.14	0.598	0.187	0.368
Barium	7440-39-3	mg/L	10/15/2014	0.169; 0.175	0.468	0.739	0.69	0.429	0.447	0.159	0.751	0.28	0.332
Barium	7440-39-3	mg/L	4/6/2015	0.228	0.462	0.523		0.457	0.323	0.125	0.695	0.274	0.311
Barium	7440-39-3	mg/L	10/5/2015	0.223	0.462	0.568		0.501	0.545	0.145	0.695	0.391	0.33
Barium	7440-39-3	mg/L	4/4/2016	0.145	0.42	0.481	0.512	0.417	0.395	0.142	0.802	0.229; 0.236	0.319
Barium	7440-39-3	mg/L	10/17/2016	0.19	0.444	0.491	0.504	0.409; 0.417	0.315	0.151	0.758	0.391	0.339
Barium	7440-39-3	mg/L	4/17/2017	0.233	0.632; 0.439	0.583	0.323	0.475	0.345	0.168	0.288	0.359	0.371
Barium	7440-39-3	mg/L	10/11/2017	0.179	0.446; 0.445	0.671	0.317	0.462	0.563	0.156	0.818	0.271	0.391
Barium	7440-39-3	mg/L	4/20/2018						0.33				
Barium	7440-39-3	mg/L	4/24/2018				0.289	0.381			0.901		
Barium	7440-39-3	mg/L	4/25/2018	0.256	0.525	0.564				0.163		0.237	0.408; 0.467
Barium	7440-39-3	mg/L	10/16/2018	0.273	0.495; 0.488	0.513	0.327	0.338	0.367	0.247	0.881	0.245	0.499

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Barium	7440-39-3	mg/L	4/16/2019	0.181	0.707	0.377	0.243	0.413	0.355	0.163	0.898	0.336	0.587
Barium	7440-39-3	mg/L	10/1/2019	0.218	0.539	0.622	0.326	0.516	0.411; 0.4	0.171	0.968	0.302	0.628
Barium	7440-39-3	mg/L	3/30/2020	0.157	0.697	0.376	0.279	0.351	0.372	0.177	0.668	0.434	0.645; 0.64
Barium	7440-39-3	mg/L	10/7/2020	0.18	0.488	0.506	0.335	0.498	0.433	0.19	0.442	0.322; 0.301	0.543
Barium	7440-39-3	mg/L	4/13/2021	0.119	0.558	0.353	0.322	0.379	0.423	0.185	0.53	0.665	0.738
Barium	7440-39-3	mg/L	10/20/2021						0.395; 0.83				0.69
Barium	7440-39-3	mg/L	5/2/2022	0.156	0.57	0.344	0.372	0.425	0.426	0.206	0.121	0.373	0.895
Barium	7440-39-3	mg/L	10/14/2022						0.489; 0.474				1.03
Barium	7440-39-3	mg/L	5/1/2023	0.173	0.682	0.281	0.365	0.361	0.462	0.17	0.071	0.225	0.884
Barium	7440-39-3	mg/L	10/16/2023						0.447; 0.451				0.587
Barium	7440-39-3	mg/L	4/29/2024	0.17	0.645	0.289	0.346	0.33	0.483	0.18	0.0557	0.115; 0.118	0.687
Barium	7440-39-3	mg/L	10/10/2024										0.714
Barium	7440-39-3	mg/L	10/11/2024						0.408				
Barium	7440-39-3	mg/L	4/23/2025					0.361					
Barium	7440-39-3	mg/L	4/25/2025			0.220					0.0622		
Barium	7440-39-3	mg/L	4/28/2025										2.72
Barium	7440-39-3	mg/L	4/30/2025							0.162			
Barium	7440-39-3	mg/L	5/5/2025									0.113	
Barium	7440-39-3	mg/L	5/6/2025	0.198	0.444								
Barium	7440-39-3	mg/L	5/7/2025				0.341		0.431				
Benzene	71-43-2	ug/L	2/27/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
Benzene	71-43-2	ug/L	5/12/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
Benzene	71-43-2	ug/L	7/13/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
Benzene	71-43-2	ug/L	9/14/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
Benzene	71-43-2	ug/L	11/17/2008	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
Benzene	71-43-2	ug/L	4/14/2009	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
Benzene	71-43-2	ug/L	7/7/2009								<0.5	<0.5	
Benzene	71-43-2	ug/L	9/2/2009								<0.5	<0.5	
Benzene	71-43-2	ug/L	10/25/2009	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	
Benzene	71-43-2	ug/L	1/2/2010								<0.5	<0.5	
Benzene	71-43-2	ug/L	3/3/2010								<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	5/10/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5
Benzene	71-43-2	ug/L	7/8/2010										<0.5
Benzene	71-43-2	ug/L	9/13/2010										<0.5
Benzene	71-43-2	ug/L	11/1/2010	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	
Benzene	71-43-2	ug/L	4/4/2011										<0.5
Benzene	71-43-2	ug/L	10/13/2011	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	12/5/2011						<0.5				
Benzene	71-43-2	ug/L	4/11/2012	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	6/25/2012						<0.5				
Benzene	71-43-2	ug/L	8/1/2012						<0.5	<0.5			
Benzene	71-43-2	ug/L	10/11/2012	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	12/13/2012						<0.5	<0.5			
Benzene	71-43-2	ug/L	2/4/2013						<0.5	<0.5			
Benzene	71-43-2	ug/L	3/30/2013	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	10/7/2013	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5		<0.5
Benzene	71-43-2	ug/L	6/2/2014	<0.5	<0.5	0.194J	<0.5	<0.5	<0.5	<0.5	0.271J	<0.5	<0.5
Benzene	71-43-2	ug/L	10/15/2014	<0.5	<0.5	0.275J	<0.5	<0.5	<0.5	<0.5	0.329J	<0.5	<0.5
Benzene	71-43-2	ug/L	4/6/2015	<0.5	<0.5	0.248J		<0.5	<0.5	<0.5	0.317J	<0.5	<0.5
Benzene	71-43-2	ug/L	10/5/2015	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	4/4/2016	<0.5	<0.5	0.268J	<0.5	<0.5	<0.5	<0.5	0.265J	<0.5	<0.5
Benzene	71-43-2	ug/L	10/17/2016	<0.5	<0.5	0.215J	<0.5	<0.5	<0.5	<0.5	0.371J	<0.5	<0.5
Benzene	71-43-2	ug/L	4/17/2017	<0.5	<0.5	0.308J	<0.5	<0.5	<0.5	<0.5	0.143J	<0.5	<0.5
Benzene	71-43-2	ug/L	10/11/2017	<0.5	<0.5	0.425J	<0.5	<0.5	<0.5	<0.5	0.436J	<0.5	<0.5
Benzene	71-43-2	ug/L	4/20/2018						<0.5				
Benzene	71-43-2	ug/L	4/24/2018				<0.5	<0.5			0.401J		
Benzene	71-43-2	ug/L	4/25/2018	<0.5	<0.5	0.244J				<0.5		<0.5	<0.5
Benzene	71-43-2	ug/L	10/16/2018	<0.5	<0.5	0.24J	<0.5	<0.5	<0.5	<0.5	0.407J	<0.5	<0.5
Benzene	71-43-2	ug/L	4/16/2019	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.379J	<0.5	<0.5
Benzene	71-43-2	ug/L	10/1/2019	<0.5	<0.5	0.225J	<0.5	<0.5	<0.5	<0.5	0.477J	<0.5	<0.5
Benzene	71-43-2	ug/L	3/30/2020	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.338J	<0.5	<0.5
Benzene	71-43-2	ug/L	10/7/2020	<0.5	<0.5	0.255J	<0.5	<0.5	<0.5	<0.5	0.439J	<0.5	<0.5
Benzene	71-43-2	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	0.3J	<1	<1

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Benzene	71-43-2	ug/L	10/20/2021						<1				<1
Benzene	71-43-2	ug/L	5/2/2022				<1		<1	<1			<1
Benzene	71-43-2	ug/L	10/14/2022						<1				<1
Benzene	71-43-2	ug/L	5/1/2023				<0.5		<0.5	0.373J		<0.5	<0.5
Benzene	71-43-2	ug/L	10/16/2023						<0.5				<0.5
Benzene	71-43-2	ug/L	4/29/2024						<0.5	<0.5			<0.5
Benzene	71-43-2	ug/L	10/10/2024										<0.500
Benzene	71-43-2	ug/L	10/11/2024						<0.500				
Benzene	71-43-2	ug/L	4/23/2025					<0.500					
Benzene	71-43-2	ug/L	4/25/2025			<0.500					<0.500		
Benzene	71-43-2	ug/L	4/28/2025										<0.500
Benzene	71-43-2	ug/L	4/30/2025							<0.500			
Benzene	71-43-2	ug/L	5/5/2025									<0.500	
Benzene	71-43-2	ug/L	5/6/2025	<0.500	<0.500								
Benzene	71-43-2	ug/L	5/7/2025						<0.500				
Benzo [k] fluoranthene	207-08-9	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Benzo [k] fluoranthene	207-08-9	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Benzo [k] fluoranthene	207-08-9	ug/L	4/4/2011										<10
Benzo [k] fluoranthene	207-08-9	ug/L	10/15/2014								<10		
Benzo [k] fluoranthene	207-08-9	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Benzo [k] fluoranthene	207-08-9	ug/L	4/4/2016										<10.3
Benzo [k] fluoranthene	207-08-9	ug/L	4/17/2017				<11						
Benzo [k] fluoranthene	207-08-9	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Benzo [k] fluoranthene	207-08-9	ug/L	10/20/2021										<8
Benzo [k] fluoranthene	207-08-9	ug/L	5/2/2022				<8						
Benzo[a]anthracene	56-55-3	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Benzo[a]anthracene	56-55-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Benzo[a]anthracene	56-55-3	ug/L	4/4/2011										<10
Benzo[a]anthracene	56-55-3	ug/L	10/15/2014								<10		
Benzo[a]anthracene	56-55-3	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Benzo[a]anthracene	56-55-3	ug/L	4/4/2016										<10.3
Benzo[a]anthracene	56-55-3	ug/L	4/17/2017				<11						
Benzo[a]anthracene	56-55-3	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Benzo[a]anthracene	56-55-3	ug/L	10/20/2021										<8
Benzo[a]anthracene	56-55-3	ug/L	5/2/2022				<8						
Benzo[a]anthracene	56-55-3	ug/L	4/23/2025					<10.4					
Benzo[a]anthracene	56-55-3	ug/L	4/25/2025			<10.4					<10.2		
Benzo[a]anthracene	56-55-3	ug/L	5/5/2025									<10.0	
Benzo[a]anthracene	56-55-3	ug/L	5/6/2025	<10.4	<10.4								
Benzo[a]anthracene	56-55-3	ug/L	5/7/2025						<10.6				
Benzo[a]pyrene	50-32-8	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Benzo[a]pyrene	50-32-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Benzo[a]pyrene	50-32-8	ug/L	4/4/2011										<10
Benzo[a]pyrene	50-32-8	ug/L	10/15/2014								<10		
Benzo[a]pyrene	50-32-8	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Benzo[a]pyrene	50-32-8	ug/L	4/4/2016										<10.3
Benzo[a]pyrene	50-32-8	ug/L	4/17/2017				<11						
Benzo[a]pyrene	50-32-8	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Benzo[a]pyrene	50-32-8	ug/L	10/20/2021										<8
Benzo[a]pyrene	50-32-8	ug/L	5/2/2022				<8						
Benzo[a]pyrene	50-32-8	ug/L	4/23/2025					<10.4					
Benzo[a]pyrene	50-32-8	ug/L	4/25/2025			<10.4					<10.2		
Benzo[a]pyrene	50-32-8	ug/L	5/5/2025									<10.0	
Benzo[a]pyrene	50-32-8	ug/L	5/6/2025	<10.4	<10.4								
Benzo[a]pyrene	50-32-8	ug/L	5/7/2025						<10.6				
Benzo[b]fluoranthene	205-99-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Benzo[b]fluoranthene	205-99-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Benzo[b]fluoranthene	205-99-2	ug/L	4/4/2011										<10
Benzo[b]fluoranthene	205-99-2	ug/L	10/15/2014								<10		
Benzo[b]fluoranthene	205-99-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Benzo[b]fluoranthene	205-99-2	ug/L	4/4/2016										<10.3
Benzo[b]fluoranthene	205-99-2	ug/L	4/17/2017				<11						
Benzo[b]fluoranthene	205-99-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Benzo[b]fluoranthene	205-99-2	ug/L	10/20/2021										<8
Benzo[b]fluoranthene	205-99-2	ug/L	5/2/2022				<8						
Benzo[b]fluoranthene	205-99-2	ug/L	4/23/2025					<10.4					
Benzo[b]fluoranthene	205-99-2	ug/L	4/25/2025			<10.4					<10.2		
Benzo[b]fluoranthene	205-99-2	ug/L	5/5/2025									<10.0	
Benzo[b]fluoranthene	205-99-2	ug/L	5/6/2025	<10.4	<10.4								
Benzo[b]fluoranthene	205-99-2	ug/L	5/7/2025						<10.6				
Benzo[g,h,i]perylene	191-24-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Benzo[g,h,i]perylene	191-24-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Benzo[g,h,i]perylene	191-24-2	ug/L	4/4/2011										<10
Benzo[g,h,i]perylene	191-24-2	ug/L	10/15/2014								<10		
Benzo[g,h,i]perylene	191-24-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Benzo[g,h,i]perylene	191-24-2	ug/L	4/4/2016										<10.3
Benzo[g,h,i]perylene	191-24-2	ug/L	4/17/2017				<11						
Benzo[g,h,i]perylene	191-24-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Benzo[g,h,i]perylene	191-24-2	ug/L	10/20/2021										<8
Benzo[g,h,i]perylene	191-24-2	ug/L	5/2/2022				<8						
Benzo[g,h,i]perylene	191-24-2	ug/L	4/23/2025					<10.4					
Benzo[g,h,i]perylene	191-24-2	ug/L	4/25/2025			<10.4					<10.2		
Benzo[g,h,i]perylene	191-24-2	ug/L	5/5/2025									<10.0	
Benzo[g,h,i]perylene	191-24-2	ug/L	5/6/2025	<10.4	<10.4								
Benzo[g,h,i]perylene	191-24-2	ug/L	5/7/2025						<10.6				
Benzo[k]fluoranthene	207-08-9	ug/L	4/23/2025					<10.4					
Benzo[k]fluoranthene	207-08-9	ug/L	4/25/2025			<10.4					<10.2		
Benzo[k]fluoranthene	207-08-9	ug/L	5/5/2025									<10.0	
Benzo[k]fluoranthene	207-08-9	ug/L	5/6/2025	<10.4	<10.4								
Benzo[k]fluoranthene	207-08-9	ug/L	5/7/2025						<10.6				
Benzyl alcohol	100-51-6	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Benzyl alcohol	100-51-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Benzyl alcohol	100-51-6	ug/L	4/4/2011										<10
Benzyl alcohol	100-51-6	ug/L	10/15/2014								<10		
Benzyl alcohol	100-51-6	ug/L	10/5/2015	0.188J	<10	<10		<10.3	<10.8		<10.9	<10	
Benzyl alcohol	100-51-6	ug/L	4/4/2016										<10.3
Benzyl alcohol	100-51-6	ug/L	4/17/2017				<11						
Benzyl alcohol	100-51-6	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Benzyl alcohol	100-51-6	ug/L	10/20/2021										<8
Benzyl alcohol	100-51-6	ug/L	5/2/2022				<8						
Benzyl alcohol	100-51-6	ug/L	4/23/2025					<10.4					
Benzyl alcohol	100-51-6	ug/L	4/25/2025			<10.4					<10.2		
Benzyl alcohol	100-51-6	ug/L	5/5/2025									<10.0	
Benzyl alcohol	100-51-6	ug/L	5/6/2025	<10.4	<10.4								
Benzyl alcohol	100-51-6	ug/L	5/7/2025						<10.6				
Beryllium	7440-41-7	mg/L	2/27/2008	<0.001	<0.001	<0.001	<0.001	<0.001	0.00129				
Beryllium	7440-41-7	mg/L	5/12/2008	<0.001	0.00134	<0.001	<0.001	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	7/13/2008	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	9/14/2008	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	11/17/2008	<0.001	0.00123	<0.001	<0.001	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	4/14/2009	<0.001	<0.001	0.00143	<0.001	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	7/7/2009			<0.001					<0.001	<0.001	
Beryllium	7440-41-7	mg/L	9/2/2009			<0.001					<0.001	<0.001	
Beryllium	7440-41-7	mg/L	10/25/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	
Beryllium	7440-41-7	mg/L	1/2/2010			<0.001					<0.001	<0.001	
Beryllium	7440-41-7	mg/L	3/3/2010								<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	5/10/2010	<0.0004	<0.0004	0.0021	<0.0004	<0.0004	<0.0004			<0.0004	<0.0004
Beryllium	7440-41-7	mg/L	7/8/2010										<0.001
Beryllium	7440-41-7	mg/L	9/13/2010										<0.001
Beryllium	7440-41-7	mg/L	11/1/2010	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	
Beryllium	7440-41-7	mg/L	4/4/2011										<0.001
Beryllium	7440-41-7	mg/L	10/13/2011	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	12/5/2011						<0.001				
Beryllium	7440-41-7	mg/L	4/11/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	6/25/2012						<0.001				
Beryllium	7440-41-7	mg/L	8/1/2012						<0.001	<0.001			

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Beryllium	7440-41-7	mg/L	10/11/2012	<0.001	<0.001	0.00127	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00241
Beryllium	7440-41-7	mg/L	12/13/2012						<0.001	<0.001			
Beryllium	7440-41-7	mg/L	3/30/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/7/2013	<0.001	<0.001	0.00237	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00101
Beryllium	7440-41-7	mg/L	6/2/2014	<0.001	<0.001	<0.001	<0.001	<0.001	0.000474J	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/15/2014	<0.001	<0.001	<0.001	<0.001	<0.001	0.000344J	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/6/2015	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/5/2015	0.000068J	<0.001	0.000085J		<0.001	0.000667J	<0.001	<0.001	0.00022J	<0.001
Beryllium	7440-41-7	mg/L	4/4/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/17/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/17/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/11/2017	<0.001	<0.001	0.000126J	<0.001	<0.001	0.000539J	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/20/2018						<0.001				
Beryllium	7440-41-7	mg/L	4/24/2018				<0.001	<0.001			<0.001		
Beryllium	7440-41-7	mg/L	4/25/2018	<0.001	<0.004	<0.001				<0.001		<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/16/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000639	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/16/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	3/30/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/7/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/13/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Beryllium	7440-41-7	mg/L	10/20/2021						<0.004				<0.004
Beryllium	7440-41-7	mg/L	5/2/2022				<0.004		<0.004	<0.004			<0.004
Beryllium	7440-41-7	mg/L	10/14/2022						0.0001J; <0.004				<0.004
Beryllium	7440-41-7	mg/L	5/1/2023						<0.001	<0.001			<0.001
Beryllium	7440-41-7	mg/L	10/16/2023						<0.001				<0.001
Beryllium	7440-41-7	mg/L	4/29/2024						<0.001	<0.001			<0.001
Beryllium	7440-41-7	mg/L	10/10/2024										<0.00100
Beryllium	7440-41-7	mg/L	10/11/2024						<0.00100				
Beryllium	7440-41-7	mg/L	4/23/2025					<0.00100					
Beryllium	7440-41-7	mg/L	4/25/2025			<0.00100					<0.00100		
Beryllium	7440-41-7	mg/L	4/28/2025										<0.00500
Beryllium	7440-41-7	mg/L	4/30/2025							<0.00100			
Beryllium	7440-41-7	mg/L	5/5/2025									<0.00100	
Beryllium	7440-41-7	mg/L	5/6/2025	<0.00100	<0.00100								
Beryllium	7440-41-7	mg/L	5/7/2025						<0.00100				
Beta-BHC	319-85-7	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
Beta-BHC	319-85-7	ug/L	7/7/2009		<0.032	<0.032							
Beta-BHC	319-85-7	ug/L	9/2/2009			<0.032							
Beta-BHC	319-85-7	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
Beta-BHC	319-85-7	ug/L	4/4/2011										<0.032
Beta-BHC	319-85-7	ug/L	3/30/2013							<0.032			
Beta-BHC	319-85-7	ug/L	10/15/2014								0.00605J		
Beta-BHC	319-85-7	ug/L	10/5/2015	<0.033	<0.032	<0.032		<0.0323	<0.0327		0.00655J	<0.032	
Beta-BHC	319-85-7	ug/L	4/4/2016										<0.0333
Beta-BHC	319-85-7	ug/L	4/17/2017				0.00627J						
Beta-BHC	319-85-7	ug/L	3/30/2020	<0.0337	<0.0333	<0.0333		<0.034	<0.033		<0.0337	<0.0337	
Beta-BHC	319-85-7	ug/L	10/20/2021										<0.05
Beta-BHC	319-85-7	ug/L	5/2/2022				<0.05						
Bicarbonate	BICARB	mg/L	6/2/2014	330	480	675	516	480	330	134	826	335	521
Bicarbonate	BICARB	mg/L	10/15/2014	299	459	774	501	501	341	123	834	294	518
Bicarbonate	BICARB	mg/L	3/30/2020								484		
Bis(2-chloroethoxy)methane	111-91-1	ug/L	4/23/2025					<10.4					
Bis(2-chloroethoxy)methane	111-91-1	ug/L	4/25/2025			<10.4					<10.2		
Bis(2-chloroethoxy)methane	111-91-1	ug/L	5/5/2025									<10.0	
Bis(2-chloroethoxy)methane	111-91-1	ug/L	5/6/2025	<10.4	<10.4								
Bis(2-chloroethoxy)methane	111-91-1	ug/L	5/7/2025						<10.6				
Bis(2-chloroethyl)ether	111-44-4	ug/L	4/23/2025					<10.4					
Bis(2-chloroethyl)ether	111-44-4	ug/L	4/25/2025			<10.4					<10.2		
Bis(2-chloroethyl)ether	111-44-4	ug/L	5/5/2025									<10.0	
Bis(2-chloroethyl)ether	111-44-4	ug/L	5/6/2025	<10.4	<10.4								
Bis(2-chloroethyl)ether	111-44-4	ug/L	5/7/2025						<10.6				
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	4/23/2025					<10.4					

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	4/25/2025			<10.4					<10.2		
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5/5/2025									<10.0	
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5/6/2025	<10.4	<10.4								
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5/7/2025				<10.4		<10.6				
Bis[2-chloroethoxy]methane	111-91-1	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Bis[2-chloroethoxy]methane	111-91-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Bis[2-chloroethoxy]methane	111-91-1	ug/L	4/4/2011										<10
Bis[2-chloroethoxy]methane	111-91-1	ug/L	10/15/2014								<10		
Bis[2-chloroethoxy]methane	111-91-1	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Bis[2-chloroethoxy]methane	111-91-1	ug/L	4/4/2016										<10.3
Bis[2-chloroethoxy]methane	111-91-1	ug/L	4/17/2017				<11						
Bis[2-chloroethoxy]methane	111-91-1	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Bis[2-chloroethoxy]methane	111-91-1	ug/L	10/20/2021										<8
Bis[2-chloroethoxy]methane	111-91-1	ug/L	5/2/2022				<8						
Bis[2-chloroethyl]ether	111-44-4	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Bis[2-chloroethyl]ether	111-44-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Bis[2-chloroethyl]ether	111-44-4	ug/L	4/4/2011										<10
Bis[2-chloroethyl]ether	111-44-4	ug/L	10/15/2014								<10		
Bis[2-chloroethyl]ether	111-44-4	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Bis[2-chloroethyl]ether	111-44-4	ug/L	4/4/2016										<10.3
Bis[2-chloroethyl]ether	111-44-4	ug/L	4/17/2017				<11						
Bis[2-chloroethyl]ether	111-44-4	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Bis[2-chloroethyl]ether	111-44-4	ug/L	10/20/2021										<8
Bis[2-chloroethyl]ether	111-44-4	ug/L	5/2/2022				<8						
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	4/4/2011										<10
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	10/15/2014								<10		
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	4/4/2016										<10.3
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	4/17/2017				<11						
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	10/20/2021										<8
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	5/2/2022				<8						
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/4/2011										<10
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/15/2014								<10		
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/5/2015	3.96J	0.681J	0.689J		2.02J	16.5		9.15J	6.86J	
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/4/2016						<10.3				0.837J
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/11/2016						1.11J				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/17/2016						1.14J				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	11/14/2016						1.11J				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/17/2017				0.856J		1.11J				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/11/2017						<10.8				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/20/2018						<10.2				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/16/2018						<10.2				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/16/2019						<10.2				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/20/2021										<6
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	5/2/2022				13						
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	5/1/2023				<9.26						
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/29/2024				<10						
Bromochloromethane	74-97-5	ug/L	2/27/2008	<5	<5	<5	<5	<5	<5				
Bromochloromethane	74-97-5	ug/L	5/12/2008	<5	<5	<5	<5	<5	<5				
Bromochloromethane	74-97-5	ug/L	7/13/2008	<5	<5	<5	<5	<5	<5				
Bromochloromethane	74-97-5	ug/L	9/14/2008	<5	<5	<5	<5	<5	<5				
Bromochloromethane	74-97-5	ug/L	11/17/2008	<5	<5	<5	<5	<5	<5				
Bromochloromethane	74-97-5	ug/L	4/14/2009	<5	<5	<5	<5	<5	<5				
Bromochloromethane	74-97-5	ug/L	7/7/2009								<5	<5	
Bromochloromethane	74-97-5	ug/L	9/2/2009								<5	<5	
Bromochloromethane	74-97-5	ug/L	10/25/2009	<5	<5	<5	<5	<5	<5		<5	<5	
Bromochloromethane	74-97-5	ug/L	1/2/2010								<5	<5	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Bromochloromethane	74-97-5	ug/L	3/3/2010								<5	<5	<5
Bromochloromethane	74-97-5	ug/L	5/10/2010	<5	<5	<5	<5	<5	<5			<5	<5
Bromochloromethane	74-97-5	ug/L	7/8/2010										<5
Bromochloromethane	74-97-5	ug/L	9/13/2010										<5
Bromochloromethane	74-97-5	ug/L	11/1/2010	<5	<5	<5	<5	<5			<5	<5	
Bromochloromethane	74-97-5	ug/L	4/4/2011										<5
Bromochloromethane	74-97-5	ug/L	10/13/2011	<5	<5	<5	<5	<5			<5	<5	<5
Bromochloromethane	74-97-5	ug/L	12/5/2011						<5				
Bromochloromethane	74-97-5	ug/L	4/11/2012	<5	<5	<5	<5	<5	<5		<5	<5	<5
Bromochloromethane	74-97-5	ug/L	6/25/2012						<5				
Bromochloromethane	74-97-5	ug/L	8/1/2012						<5	<5			
Bromochloromethane	74-97-5	ug/L	10/11/2012	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	12/13/2012						<5	<5			
Bromochloromethane	74-97-5	ug/L	2/4/2013						<5	<5			
Bromochloromethane	74-97-5	ug/L	3/30/2013	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/7/2013	<5	<5		<5	<5	<5	<5	<5		<5
Bromochloromethane	74-97-5	ug/L	6/2/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/6/2015	<5	<5	<5		<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/5/2015	<5	<5	<5		<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/4/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/17/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/17/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/11/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/20/2018						<5				
Bromochloromethane	74-97-5	ug/L	4/24/2018				<5	<5			<5		
Bromochloromethane	74-97-5	ug/L	4/25/2018	<5	<5	<5				<5		<5	<5
Bromochloromethane	74-97-5	ug/L	10/16/2018	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/16/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	74-97-5	ug/L	10/20/2021						<1				<1
Bromochloromethane	74-97-5	ug/L	5/2/2022				<1		<1	<1			<1
Bromochloromethane	74-97-5	ug/L	10/14/2022						<1				<1
Bromochloromethane	74-97-5	ug/L	5/1/2023				<5		<5	<5		<5	<5
Bromochloromethane	74-97-5	ug/L	10/16/2023						<5				<5
Bromochloromethane	74-97-5	ug/L	4/29/2024						<5	<5			<5
Bromochloromethane	74-97-5	ug/L	10/10/2024										<5.00
Bromochloromethane	74-97-5	ug/L	10/11/2024						<5.00				
Bromochloromethane	74-97-5	ug/L	4/23/2025					<5.00					
Bromochloromethane	74-97-5	ug/L	4/25/2025			<5.00					<5.00		
Bromochloromethane	74-97-5	ug/L	4/28/2025										<5.00
Bromochloromethane	74-97-5	ug/L	4/30/2025							<5.00			
Bromochloromethane	74-97-5	ug/L	5/5/2025									<5.00	
Bromochloromethane	74-97-5	ug/L	5/6/2025	<5.00	<5.00								
Bromochloromethane	74-97-5	ug/L	5/7/2025						<5.00				
Bromodichloromethane	75-27-4	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
Bromodichloromethane	75-27-4	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
Bromodichloromethane	75-27-4	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
Bromodichloromethane	75-27-4	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
Bromodichloromethane	75-27-4	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
Bromodichloromethane	75-27-4	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
Bromodichloromethane	75-27-4	ug/L	7/7/2009								<1	<1	
Bromodichloromethane	75-27-4	ug/L	9/2/2009								<1	<1	
Bromodichloromethane	75-27-4	ug/L	10/25/2009	<2	<2	<2	<2	<1	<2		<2	<2	
Bromodichloromethane	75-27-4	ug/L	1/2/2010								<10	<10	
Bromodichloromethane	75-27-4	ug/L	3/3/2010								<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4			<4	<4
Bromodichloromethane	75-27-4	ug/L	7/8/2010										<1
Bromodichloromethane	75-27-4	ug/L	9/13/2010										<1
Bromodichloromethane	75-27-4	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Bromodichloromethane	75-27-4	ug/L	4/4/2011										<1
Bromodichloromethane	75-27-4	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	12/5/2011						<1				
Bromodichloromethane	75-27-4	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	6/25/2012						<1				
Bromodichloromethane	75-27-4	ug/L	8/1/2012						<1	<1			
Bromodichloromethane	75-27-4	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	12/13/2012						<1	<1			
Bromodichloromethane	75-27-4	ug/L	2/4/2013						<1	<1			
Bromodichloromethane	75-27-4	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
Bromodichloromethane	75-27-4	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/20/2018						<1				
Bromodichloromethane	75-27-4	ug/L	4/24/2018				<1	<1			<1		
Bromodichloromethane	75-27-4	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
Bromodichloromethane	75-27-4	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/20/2021						<1				<1
Bromodichloromethane	75-27-4	ug/L	5/2/2022				<1		<1	<1			<1
Bromodichloromethane	75-27-4	ug/L	10/14/2022						<1				<1
Bromodichloromethane	75-27-4	ug/L	5/1/2023				<1		<1	<1		<1	<1
Bromodichloromethane	75-27-4	ug/L	10/16/2023						<1				<1
Bromodichloromethane	75-27-4	ug/L	4/29/2024						<1	<1			<1
Bromodichloromethane	75-27-4	ug/L	10/10/2024										<1.00
Bromodichloromethane	75-27-4	ug/L	10/11/2024						<1.00				
Bromodichloromethane	75-27-4	ug/L	4/23/2025					<1.00					
Bromodichloromethane	75-27-4	ug/L	4/25/2025			<1.00					<1.00		
Bromodichloromethane	75-27-4	ug/L	4/28/2025										<1.00
Bromodichloromethane	75-27-4	ug/L	4/30/2025							<1.00			
Bromodichloromethane	75-27-4	ug/L	5/5/2025									<1.00	
Bromodichloromethane	75-27-4	ug/L	5/6/2025	<1.00	<1.00								
Bromodichloromethane	75-27-4	ug/L	5/7/2025						<1.00				
Bromoform	75-25-2	ug/L	2/27/2008	<5	<5	<5	<5	<5	<5				
Bromoform	75-25-2	ug/L	5/12/2008	<5	<5	<5	<5	<5	<5				
Bromoform	75-25-2	ug/L	7/13/2008	<5	<5	<5	<5	<5	<5				
Bromoform	75-25-2	ug/L	9/14/2008	<5	<5	<5	<5	<5	<5				
Bromoform	75-25-2	ug/L	11/17/2008	<5	<5	<5	<5	<5	<5				
Bromoform	75-25-2	ug/L	4/14/2009	<5	<5	<5	<5	<5	<5				
Bromoform	75-25-2	ug/L	7/7/2009								<5	<5	
Bromoform	75-25-2	ug/L	9/2/2009								<5	<5	
Bromoform	75-25-2	ug/L	10/25/2009	<10	<10	<10	<10	<20	<10		<10	<10	
Bromoform	75-25-2	ug/L	1/2/2010								<50	<50	
Bromoform	75-25-2	ug/L	3/3/2010								<5	<5	<5
Bromoform	75-25-2	ug/L	5/10/2010	<20	<20	<20	<20	<20	<20			<20	<20
Bromoform	75-25-2	ug/L	7/8/2010										<5
Bromoform	75-25-2	ug/L	9/13/2010										<5
Bromoform	75-25-2	ug/L	11/1/2010	<10	<5	<5	<10	<10			<5	<10	
Bromoform	75-25-2	ug/L	4/4/2011										<5
Bromoform	75-25-2	ug/L	10/13/2011	<5	<5	<5	<5	<5			<5	<5	<5
Bromoform	75-25-2	ug/L	12/5/2011						<5				
Bromoform	75-25-2	ug/L	4/11/2012	<5	<5	<5	<5	<5	<5		<5	<5	<5
Bromoform	75-25-2	ug/L	6/25/2012						<5				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Bromoform	75-25-2	ug/L	8/1/2012						<5	<5			
Bromoform	75-25-2	ug/L	10/11/2012	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	12/13/2012						<5	<5			
Bromoform	75-25-2	ug/L	2/4/2013						<5	<5			
Bromoform	75-25-2	ug/L	3/30/2013	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/7/2013	<5	<5		<5	<5	<5	<5	<5		<5
Bromoform	75-25-2	ug/L	6/2/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/6/2015	<5	<5	<5		<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/5/2015	<5	<5	<5		<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/4/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/17/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/17/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/11/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/20/2018						<5				
Bromoform	75-25-2	ug/L	4/24/2018				<5	<5			<5		
Bromoform	75-25-2	ug/L	4/25/2018	<5	<5	<5				<5		<5	<5
Bromoform	75-25-2	ug/L	10/16/2018	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/16/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	75-25-2	ug/L	10/20/2021						<1				<1
Bromoform	75-25-2	ug/L	5/2/2022				<1		<1	<1			<1
Bromoform	75-25-2	ug/L	10/14/2022						<1				<1
Bromoform	75-25-2	ug/L	5/1/2023				<5		<5	<5		<5	<5
Bromoform	75-25-2	ug/L	10/16/2023						<5				<5
Bromoform	75-25-2	ug/L	4/29/2024						<5	<5			<5
Bromoform	75-25-2	ug/L	10/10/2024										<5.00
Bromoform	75-25-2	ug/L	10/11/2024						<5.00				
Bromoform	75-25-2	ug/L	4/23/2025					<5.00					
Bromoform	75-25-2	ug/L	4/25/2025			<5.00					<5.00		
Bromoform	75-25-2	ug/L	4/28/2025										<5.00
Bromoform	75-25-2	ug/L	4/30/2025							<5.00			
Bromoform	75-25-2	ug/L	5/5/2025									<5.00	
Bromoform	75-25-2	ug/L	5/6/2025	<5.00	<5.00								
Bromoform	75-25-2	ug/L	5/7/2025						<5.00				
Bromomethane	74-83-9	ug/L	2/27/2008	<4	<4	<4	<4	<4	<4				
Bromomethane	74-83-9	ug/L	5/12/2008	<4	<4	<4	<4	<4	<4				
Bromomethane	74-83-9	ug/L	7/13/2008	<4	<4	<4	<4	<4	<4				
Bromomethane	74-83-9	ug/L	9/14/2008	<4	<4	<4	<4	<4	<4				
Bromomethane	74-83-9	ug/L	11/17/2008	<4	<4	<4	<4	<4	<4				
Bromomethane	74-83-9	ug/L	4/14/2009	<4	<4	<4	<4	<4	<4				
Bromomethane	74-83-9	ug/L	7/7/2009								<4	<4	
Bromomethane	74-83-9	ug/L	9/2/2009								<4	<4	
Bromomethane	74-83-9	ug/L	10/25/2009	<4	<4	<4	<4	<4	<4		<4	<4	
Bromomethane	74-83-9	ug/L	1/2/2010								<4	<4	
Bromomethane	74-83-9	ug/L	3/3/2010								<4	<4	<4
Bromomethane	74-83-9	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4			<4	<4
Bromomethane	74-83-9	ug/L	7/8/2010										<4
Bromomethane	74-83-9	ug/L	9/13/2010										<4
Bromomethane	74-83-9	ug/L	11/1/2010	<4	<4	<4	<4	<4			<4	<4	
Bromomethane	74-83-9	ug/L	4/4/2011										<4
Bromomethane	74-83-9	ug/L	10/13/2011	<4	<4	<4	<4	<4			<4	<4	<4
Bromomethane	74-83-9	ug/L	12/5/2011						<20				
Bromomethane	74-83-9	ug/L	4/11/2012	<4	<4	<4	<4	<4	<4		<4	<4	<4
Bromomethane	74-83-9	ug/L	6/25/2012						<4				
Bromomethane	74-83-9	ug/L	8/1/2012						<4	<4			
Bromomethane	74-83-9	ug/L	10/11/2012	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	12/13/2012						<4	<4			
Bromomethane	74-83-9	ug/L	2/4/2013						<4	<4			
Bromomethane	74-83-9	ug/L	3/30/2013	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Bromomethane	74-83-9	ug/L	10/7/2013	<4	<4		<4	<4	<4	<4	<4		<4
Bromomethane	74-83-9	ug/L	6/2/2014	<4	<4	<4	<4	<4	<4	<4	3.46J	<4	<4
Bromomethane	74-83-9	ug/L	10/15/2014	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/6/2015	<4	<4	<4		<4	<4	0.415J	<4	<4	0.529J
Bromomethane	74-83-9	ug/L	10/5/2015	<4	<4	<4		<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/4/2016	0.254J	0.308J	<4	0.27J	<4	<4	0.297J	<4	0.403J; 0.346J	<4
Bromomethane	74-83-9	ug/L	10/17/2016	<4	<4	<4	0.374J	<4	<4	<4	0.374J	0.39J	<4
Bromomethane	74-83-9	ug/L	4/17/2017	0.447J	0.41J; <4	0.474J	0.32J	0.314J	0.248J	0.239J	0.511J	<4	0.326J
Bromomethane	74-83-9	ug/L	10/11/2017	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/20/2018						<4				
Bromomethane	74-83-9	ug/L	4/24/2018				<4	<4			<4		
Bromomethane	74-83-9	ug/L	4/25/2018	<4	<4	<4				<4		<4	<4
Bromomethane	74-83-9	ug/L	10/16/2018	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/16/2019	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/1/2019	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	3/30/2020	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/7/2020	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	74-83-9	ug/L	10/20/2021						<1				<1
Bromomethane	74-83-9	ug/L	5/2/2022				0.6J		<1	<1			<1
Bromomethane	74-83-9	ug/L	10/14/2022						<1				<1
Bromomethane	74-83-9	ug/L	5/1/2023				<4		<4	<4		<4	<4
Bromomethane	74-83-9	ug/L	10/16/2023						<4				<4
Bromomethane	74-83-9	ug/L	4/29/2024						<4	<4			<4
Bromomethane	74-83-9	ug/L	10/10/2024										<4.00
Bromomethane	74-83-9	ug/L	10/11/2024						<4.00				
Bromomethane	74-83-9	ug/L	4/23/2025					<4.00					
Bromomethane	74-83-9	ug/L	4/25/2025			<4.00					<4.00		
Bromomethane	74-83-9	ug/L	4/28/2025										<4.00
Bromomethane	74-83-9	ug/L	4/30/2025							<4.00			
Bromomethane	74-83-9	ug/L	5/5/2025									<4.00	
Bromomethane	74-83-9	ug/L	5/6/2025	<4.00	<4.00								
Bromomethane	74-83-9	ug/L	5/7/2025						<4.00				
Butyl benzyl phthalate	85-68-7	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Butyl benzyl phthalate	85-68-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Butyl benzyl phthalate	85-68-7	ug/L	4/4/2011										<10
Butyl benzyl phthalate	85-68-7	ug/L	10/15/2014								<10		
Butyl benzyl phthalate	85-68-7	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Butyl benzyl phthalate	85-68-7	ug/L	4/4/2016										<10.3
Butyl benzyl phthalate	85-68-7	ug/L	4/17/2017				0.469J						
Butyl benzyl phthalate	85-68-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Butyl benzyl phthalate	85-68-7	ug/L	10/20/2021										<8
Butyl benzyl phthalate	85-68-7	ug/L	5/2/2022				<8						
Butyl benzyl phthalate	85-68-7	ug/L	4/23/2025					<10.4					
Butyl benzyl phthalate	85-68-7	ug/L	4/25/2025			<10.4					<10.2		
Butyl benzyl phthalate	85-68-7	ug/L	5/5/2025									<10.0	
Butyl benzyl phthalate	85-68-7	ug/L	5/6/2025	<10.4	<10.4								
Butyl benzyl phthalate	85-68-7	ug/L	5/7/2025						<10.6				
Cadmium	7440-43-9	mg/L	2/27/2008	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	5/12/2008	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	7/13/2008	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	9/14/2008	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	11/17/2008	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
Cadmium	7440-43-9	mg/L	4/14/2009	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	7/7/2009								<0.0025	<0.0025	
Cadmium	7440-43-9	mg/L	9/2/2009								<0.0025	<0.0025	
Cadmium	7440-43-9	mg/L	10/25/2009	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	
Cadmium	7440-43-9	mg/L	1/2/2010								<0.0025	<0.0025	
Cadmium	7440-43-9	mg/L	3/3/2010								<0.0025	<0.0025	<0.0025
Cadmium	7440-43-9	mg/L	5/10/2010	<0.0004	<0.0004	<0.002	<0.0004	<0.0004	<0.0004			0.0011	<0.0004
Cadmium	7440-43-9	mg/L	7/8/2010								<0.0025	<0.0025	<0.0025
Cadmium	7440-43-9	mg/L	9/13/2010								<0.0025	<0.0025	<0.0025
Cadmium	7440-43-9	mg/L	11/1/2010								<0.0025	<0.0025	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Cadmium	7440-43-9	mg/L	1/10/2011								<0.0005	0.00097	
Cadmium	7440-43-9	mg/L	4/4/2011								<0.0025	<0.0025	<0.0005
Cadmium	7440-43-9	mg/L	7/8/2011										<0.0025
Cadmium	7440-43-9	mg/L	8/11/2011										<0.0025
Cadmium	7440-43-9	mg/L	10/13/2011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005	0.00113	0.000964
Cadmium	7440-43-9	mg/L	12/5/2011						<0.0005				
Cadmium	7440-43-9	mg/L	4/11/2012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	0.000963	<0.0005
Cadmium	7440-43-9	mg/L	6/25/2012						<0.0005				
Cadmium	7440-43-9	mg/L	8/1/2012						<0.0005	<0.0005			
Cadmium	7440-43-9	mg/L	10/11/2012	<0.0005	<0.0005	0.000863	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00171	0.00449
Cadmium	7440-43-9	mg/L	12/13/2012						<0.0005	<0.0005			
Cadmium	7440-43-9	mg/L	3/30/2013	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.001	0.00067
Cadmium	7440-43-9	mg/L	10/7/2013	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00145
Cadmium	7440-43-9	mg/L	6/2/2014	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000403J	<0.0005	0.000124J	0.000605	0.000483J
Cadmium	7440-43-9	mg/L	10/15/2014	<0.0005	<0.0005	<0.0005	0.0000854J	<0.0005	0.000228J	<0.0005	0.000404J	0.000735	<0.0005
Cadmium	7440-43-9	mg/L	4/6/2015	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	0.000481J	0.00064	0.00039J
Cadmium	7440-43-9	mg/L	10/5/2015	<0.0005	<0.0005	<0.0005		<0.0005	0.000338J	<0.0005	0.000605	0.000853	0.000456J; 0.000316J
Cadmium	7440-43-9	mg/L	4/4/2016	0.000048J	<0.0005	<0.0005	0.000085J	0.00009J	<0.0005	0.000073J	0.000433J	0.000574; 0.000605	0.000296J
Cadmium	7440-43-9	mg/L	10/17/2016	<0.0005	<0.0005	<0.0005	0.00009J	0.00005J; 0.000046J	<0.0005	0.000085J	0.000378J	0.00172	0.000196J
Cadmium	7440-43-9	mg/L	4/17/2017	0.00005J	<0.0005	<0.0005	0.000095J	0.000106J	<0.0005	0.000085J	0.000095J	0.000746	0.000234J
Cadmium	7440-43-9	mg/L	10/11/2017	<0.0005	<0.0005	0.00005J	0.000118J	0.000046J	0.000388J	0.000275J	0.000129J	0.000555	0.000115J
Cadmium	7440-43-9	mg/L	4/20/2018						<0.0005				
Cadmium	7440-43-9	mg/L	4/24/2018				0.000077J	0.000066J			0.000064J		
Cadmium	7440-43-9	mg/L	4/25/2018	0.000078J	<0.002	<0.0005				0.000073J		0.000439J	<0.0005
Cadmium	7440-43-9	mg/L	10/16/2018	<0.0005	<0.0005	<0.0005	0.000187J	<0.0005	0.000185J	0.000521	<0.0005	0.000449J	<0.0005
Cadmium	7440-43-9	mg/L	4/16/2019	<0.0005	<0.0005	<0.0005	<0.0005	0.000084J	<0.0005	<0.0005	<0.0005	0.000745	<0.0005
Cadmium	7440-43-9	mg/L	10/1/2019	<0.0001	<0.0001	<0.0001	0.000149	0.000063J	<0.0001	0.000199	<0.0001	0.000794	<0.0001
Cadmium	7440-43-9	mg/L	3/30/2020	<0.0001	<0.0001	<0.0001	<0.0001	0.000063J	<0.0001	0.000054J	<0.0001	0.000773	<0.0001
Cadmium	7440-43-9	mg/L	10/7/2020	<0.0001	<0.0001	<0.0001	0.000128	0.000051J	<0.0001	0.000426	0.000055J	0.000769; 0.000723	<0.0001
Cadmium	7440-43-9	mg/L	4/13/2021	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	0.0001J	<0.0008	0.0007J	<0.0008
Cadmium	7440-43-9	mg/L	10/20/2021						<0.0008; 0.0001J				<0.0008
Cadmium	7440-43-9	mg/L	5/2/2022				<0.0008		<0.0008	0.0004J			<0.0008
Cadmium	7440-43-9	mg/L	10/14/2022						<0.0008				<0.0008
Cadmium	7440-43-9	mg/L	5/1/2023						<0.0002	<0.0002			<0.0002
Cadmium	7440-43-9	mg/L	10/16/2023						<0.0002				<0.0002
Cadmium	7440-43-9	mg/L	4/29/2024						<0.0002	0.000136J			<0.0008
Cadmium	7440-43-9	mg/L	10/10/2024										<0.000200
Cadmium	7440-43-9	mg/L	10/11/2024						<0.000200				
Cadmium	7440-43-9	mg/L	4/23/2025					<0.000200					
Cadmium	7440-43-9	mg/L	4/25/2025			<0.000200					<0.000200		
Cadmium	7440-43-9	mg/L	4/28/2025										<0.00100
Cadmium	7440-43-9	mg/L	4/30/2025							<0.000200			
Cadmium	7440-43-9	mg/L	5/5/2025									<0.000200	
Cadmium	7440-43-9	mg/L	5/6/2025	<0.000200	<0.000200								
Cadmium	7440-43-9	mg/L	5/7/2025						<0.000200				
Calcium	7440-70-2	mg/L	6/2/2014	91.6	124	193	162	156	133	41.9	190	97.1	133
Calcium	7440-70-2	mg/L	10/15/2014	93.1	116	196	166	163	133	37.1	195	126	139
Calcium	7440-70-2	mg/L	3/30/2020								208		
Carbon Disulfide	75-15-0	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
Carbon Disulfide	75-15-0	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
Carbon Disulfide	75-15-0	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
Carbon Disulfide	75-15-0	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
Carbon Disulfide	75-15-0	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
Carbon Disulfide	75-15-0	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
Carbon Disulfide	75-15-0	ug/L	7/7/2009								<1	<1	
Carbon Disulfide	75-15-0	ug/L	9/2/2009								<1	<1	
Carbon Disulfide	75-15-0	ug/L	10/25/2009	<5	<5	<5	<5	<5	<5		<5	<5	
Carbon Disulfide	75-15-0	ug/L	1/2/2010								<5	<5	
Carbon Disulfide	75-15-0	ug/L	3/3/2010								<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4			<4	<4
Carbon Disulfide	75-15-0	ug/L	7/8/2010										<5
Carbon Disulfide	75-15-0	ug/L	9/13/2010										<10
Carbon Disulfide	75-15-0	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Carbon Disulfide	75-15-0	ug/L	4/4/2011										<1
Carbon Disulfide	75-15-0	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	12/5/2011						<1				
Carbon Disulfide	75-15-0	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	6/25/2012						<1				
Carbon Disulfide	75-15-0	ug/L	8/1/2012						<1	<1			
Carbon Disulfide	75-15-0	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	12/13/2012						<1	<1			
Carbon Disulfide	75-15-0	ug/L	2/4/2013						<1	<1			
Carbon Disulfide	75-15-0	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
Carbon Disulfide	75-15-0	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/20/2018						<1				
Carbon Disulfide	75-15-0	ug/L	4/24/2018				<1	<1			<1		
Carbon Disulfide	75-15-0	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
Carbon Disulfide	75-15-0	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/20/2021						<1				<1
Carbon Disulfide	75-15-0	ug/L	5/2/2022				<1		<1	<1			<1
Carbon Disulfide	75-15-0	ug/L	10/14/2022						<1				<1
Carbon Disulfide	75-15-0	ug/L	5/1/2023				<1		<1	<1		<1	<1
Carbon Disulfide	75-15-0	ug/L	10/16/2023						<1				<1
Carbon Disulfide	75-15-0	ug/L	4/29/2024						<1	<1			<1
Carbon Tetrachloride	56-23-5	ug/L	2/27/2008	<2	<2	<2	<2	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	5/12/2008	<2	<2	<2	<2	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	7/13/2008	<2	<2	<2	<2	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	9/14/2008	<2	<2	<2	<2	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	11/17/2008	<2	<2	<2	<2	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	4/14/2009	<2	<2	<2	<2	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	7/7/2009								<2	<2	
Carbon Tetrachloride	56-23-5	ug/L	9/2/2009								<2	<2	
Carbon Tetrachloride	56-23-5	ug/L	10/25/2009	<2	<2	<2	<2	<5	<2		<2	<2	
Carbon Tetrachloride	56-23-5	ug/L	1/2/2010								<5	<5	
Carbon Tetrachloride	56-23-5	ug/L	3/3/2010								<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4			<4	<4
Carbon Tetrachloride	56-23-5	ug/L	7/8/2010										<5
Carbon Tetrachloride	56-23-5	ug/L	9/13/2010										<5
Carbon Tetrachloride	56-23-5	ug/L	11/1/2010	<5	<2	<2	<5	<5			<2	<5	
Carbon Tetrachloride	56-23-5	ug/L	4/4/2011										<2
Carbon Tetrachloride	56-23-5	ug/L	10/13/2011	<2	<2	<2	<2	<2			<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	12/5/2011						<2				
Carbon Tetrachloride	56-23-5	ug/L	4/11/2012	<2	<2	<2	<2	<2	<2		<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	6/25/2012						<2				
Carbon Tetrachloride	56-23-5	ug/L	8/1/2012						<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	10/11/2012	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	12/13/2012						<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	2/4/2013						<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	3/30/2013	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/7/2013	<2	<2		<2	<2	<2	<2	<2		<2
Carbon Tetrachloride	56-23-5	ug/L	6/2/2014	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/15/2014	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/6/2015	<2	<2	<2		<2	<2	<2	<2	<2	<2

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Carbon Tetrachloride	56-23-5	ug/L	10/5/2015	<2	<2	<2		<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/4/2016	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/17/2016	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/17/2017	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/11/2017	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/20/2018						<2				
Carbon Tetrachloride	56-23-5	ug/L	4/24/2018				<2	<2			<2		
Carbon Tetrachloride	56-23-5	ug/L	4/25/2018	<2	<2	<2				<2		<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/16/2018	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/16/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/1/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	3/30/2020	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/7/2020	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	ug/L	10/20/2021						<1				<1
Carbon Tetrachloride	56-23-5	ug/L	5/2/2022				<1		0.5J	<1			<1
Carbon Tetrachloride	56-23-5	ug/L	10/14/2022						<1				<1
Carbon Tetrachloride	56-23-5	ug/L	5/1/2023				<2		<2	<2		<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/16/2023						<2				<2
Carbon Tetrachloride	56-23-5	ug/L	4/29/2024						<2	<2			<2
Carbon disulfide	75-15-0	ug/L	10/10/2024										<1.00
Carbon disulfide	75-15-0	ug/L	10/11/2024						<1.00				
Carbon disulfide	75-15-0	ug/L	4/23/2025					<1.00					
Carbon disulfide	75-15-0	ug/L	4/25/2025			<1.00					<1.00		
Carbon disulfide	75-15-0	ug/L	4/28/2025										<1.00
Carbon disulfide	75-15-0	ug/L	4/30/2025							<1.00			
Carbon disulfide	75-15-0	ug/L	5/5/2025									<1.00	
Carbon disulfide	75-15-0	ug/L	5/6/2025	<1.00	<1.00								
Carbon disulfide	75-15-0	ug/L	5/7/2025						<1.00				
Carbon tetrachloride	56-23-5	ug/L	10/10/2024										<2.00
Carbon tetrachloride	56-23-5	ug/L	10/11/2024						<2.00				
Carbon tetrachloride	56-23-5	ug/L	4/23/2025					<2.00					
Carbon tetrachloride	56-23-5	ug/L	4/25/2025			<2.00					<2.00		
Carbon tetrachloride	56-23-5	ug/L	4/28/2025										<2.00
Carbon tetrachloride	56-23-5	ug/L	4/30/2025							<2.00			
Carbon tetrachloride	56-23-5	ug/L	5/5/2025									<2.00	
Carbon tetrachloride	56-23-5	ug/L	5/6/2025	<2.00	<2.00								
Carbon tetrachloride	56-23-5	ug/L	5/7/2025						<2.00				
Carbonate	CARB	mg/L	6/2/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbonate	CARB	mg/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbonate	CARB	mg/L	3/30/2020								<5		
Chlordane	57-74-9	ug/L	4/14/2009	<2	<2	<2	<2	<2	<2				
Chlordane	57-74-9	ug/L	7/7/2009		<2	<2							
Chlordane	57-74-9	ug/L	9/2/2009			<2							
Chlordane	57-74-9	ug/L	5/10/2010	<2	<2	<2	<2	<2	<2			<2	
Chlordane	57-74-9	ug/L	4/4/2011										<2
Chlordane	57-74-9	ug/L	10/15/2014								<2		
Chlordane	57-74-9	ug/L	10/5/2015	<2.06	<2	<2		<2.02	<2.04		<2.38	<2	
Chlordane	57-74-9	ug/L	4/4/2016										<2.08
Chlordane	57-74-9	ug/L	4/17/2017				<2.11						
Chlordane	57-74-9	ug/L	3/30/2020	<2.11	<2.08	<2.08		<2.13	<2.06		<2.11	<2.11	
Chlordane	57-74-9	ug/L	10/20/2021										<0.1
Chlordane	57-74-9	ug/L	5/2/2022				<0.1						
Chlordane (technical)	12789-03-6	ug/L	4/23/2025					<1.81					
Chlordane (technical)	12789-03-6	ug/L	4/25/2025			<1.84					<1.80		
Chlordane (technical)	12789-03-6	ug/L	5/5/2025									<1.81	
Chlordane (technical)	12789-03-6	ug/L	5/6/2025	<1.80	<1.83								
Chlordane (technical)	12789-03-6	ug/L	5/7/2025						<1.79				
Chloride	16887-00-6	mg/L	6/2/2014	4.23J	32.5	88.8	83	80.2	54.6	3.51J	46.7	93.7	9.79
Chloride	16887-00-6	mg/L	10/15/2014	6.97	34.3	82.4	79.7	70.4	59.3	2.9J	46.2	78.4	9.59
Chloride	16887-00-6	mg/L	3/30/2020								4.65J		
Chlorobenzene	108-90-7	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
Chlorobenzene	108-90-7	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Chlorobenzene	108-90-7	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
Chlorobenzene	108-90-7	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
Chlorobenzene	108-90-7	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
Chlorobenzene	108-90-7	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
Chlorobenzene	108-90-7	ug/L	7/7/2009								<1	<1	
Chlorobenzene	108-90-7	ug/L	9/2/2009								<1	<1	
Chlorobenzene	108-90-7	ug/L	10/25/2009	<2	<2	<2	<2	<1	<2		<2	<2	
Chlorobenzene	108-90-7	ug/L	1/2/2010								<1	<1	
Chlorobenzene	108-90-7	ug/L	3/3/2010								<1	<1	<1
Chlorobenzene	108-90-7	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
Chlorobenzene	108-90-7	ug/L	7/8/2010										<1
Chlorobenzene	108-90-7	ug/L	9/13/2010										<1
Chlorobenzene	108-90-7	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
Chlorobenzene	108-90-7	ug/L	4/4/2011										<1
Chlorobenzene	108-90-7	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
Chlorobenzene	108-90-7	ug/L	12/5/2011						<1				
Chlorobenzene	108-90-7	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
Chlorobenzene	108-90-7	ug/L	6/25/2012						<1				
Chlorobenzene	108-90-7	ug/L	8/1/2012						<1	<1			
Chlorobenzene	108-90-7	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	12/13/2012						<1	<1			
Chlorobenzene	108-90-7	ug/L	2/4/2013						<1	<1			
Chlorobenzene	108-90-7	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
Chlorobenzene	108-90-7	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/20/2018						<1				
Chlorobenzene	108-90-7	ug/L	4/24/2018				<1	<1			<1		
Chlorobenzene	108-90-7	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
Chlorobenzene	108-90-7	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/20/2021						<1				<1
Chlorobenzene	108-90-7	ug/L	5/2/2022				<1		<1	<1			<1
Chlorobenzene	108-90-7	ug/L	10/14/2022						<1				<1
Chlorobenzene	108-90-7	ug/L	5/1/2023				<1		<1	<1		<1	<1
Chlorobenzene	108-90-7	ug/L	10/16/2023						<1				<1
Chlorobenzene	108-90-7	ug/L	4/29/2024						<1	<1			<1
Chlorobenzene	108-90-7	ug/L	10/10/2024										<1.00
Chlorobenzene	108-90-7	ug/L	10/11/2024						<1.00				
Chlorobenzene	108-90-7	ug/L	4/23/2025					<1.00					
Chlorobenzene	108-90-7	ug/L	4/25/2025			<1.00					<1.00		
Chlorobenzene	108-90-7	ug/L	4/28/2025										<1.00
Chlorobenzene	108-90-7	ug/L	4/30/2025							<1.00			
Chlorobenzene	108-90-7	ug/L	5/5/2025									<1.00	
Chlorobenzene	108-90-7	ug/L	5/6/2025	<1.00	<1.00								
Chlorobenzene	108-90-7	ug/L	5/7/2025						<1.00				
Chlorobenzilate	510-15-6	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Chlorobenzilate	510-15-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Chlorobenzilate	510-15-6	ug/L	4/4/2011										<10
Chlorobenzilate	510-15-6	ug/L	10/15/2014								<10		
Chlorobenzilate	510-15-6	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Chlorobenzilate	510-15-6	ug/L	4/4/2016										<10.3
Chlorobenzilate	510-15-6	ug/L	4/17/2017				<11						

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Chlorobenzilate	510-15-6	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Chlorobenzilate	510-15-6	ug/L	10/20/2021										<8
Chlorobenzilate	510-15-6	ug/L	5/2/2022				<8						
Chlorobenzilate	510-15-6	ug/L	4/23/2025					<10.4					
Chlorobenzilate	510-15-6	ug/L	4/25/2025			<10.4					<10.2		
Chlorobenzilate	510-15-6	ug/L	5/5/2025									<10.0	
Chlorobenzilate	510-15-6	ug/L	5/6/2025	<10.4	<10.4								
Chlorobenzilate	510-15-6	ug/L	5/7/2025						<10.6				
Chlorodibromomethane	124-48-1	ug/L	2/27/2008	<5	<5	<5	<5	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	5/12/2008	<5	<5	<5	<5	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	7/13/2008	<5	<5	<5	<5	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	9/14/2008	<5	<5	<5	<5	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	11/17/2008	<5	<5	<5	<5	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	4/14/2009	<5	<5	<5	<5	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	7/7/2009								<5	<5	
Chlorodibromomethane	124-48-1	ug/L	9/2/2009								<5	<5	
Chlorodibromomethane	124-48-1	ug/L	10/25/2009	<5	<5	<5	<5	<10	<5		<5	<5	
Chlorodibromomethane	124-48-1	ug/L	1/2/2010								<50	<50	
Chlorodibromomethane	124-48-1	ug/L	3/3/2010								<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	5/10/2010	<5	<5	<5	<5	<5	<5			<5	<5
Chlorodibromomethane	124-48-1	ug/L	7/8/2010										<5
Chlorodibromomethane	124-48-1	ug/L	9/13/2010										<5
Chlorodibromomethane	124-48-1	ug/L	11/1/2010	<5	<5	<5	<5	<5			<5	<5	
Chlorodibromomethane	124-48-1	ug/L	4/4/2011										<5
Chlorodibromomethane	124-48-1	ug/L	10/13/2011	<5	<5	<5	<5	<5			<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	12/5/2011						<5				
Chlorodibromomethane	124-48-1	ug/L	4/11/2012	<5	<5	<5	<5	<5	<5		<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	6/25/2012						<5				
Chlorodibromomethane	124-48-1	ug/L	8/1/2012						<5	<5			
Chlorodibromomethane	124-48-1	ug/L	10/11/2012	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	12/13/2012						<5	<5			
Chlorodibromomethane	124-48-1	ug/L	2/4/2013						<5	<5			
Chlorodibromomethane	124-48-1	ug/L	3/30/2013	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/7/2013	<5	<5		<5	<5	<5	<5	<5		<5
Chlorodibromomethane	124-48-1	ug/L	6/2/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/6/2015	<5	<5	<5		<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/5/2015	<5	<5	<5		<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/4/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/17/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/17/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/11/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/20/2018						<5				
Chlorodibromomethane	124-48-1	ug/L	4/24/2018				<5	<5			<5		
Chlorodibromomethane	124-48-1	ug/L	4/25/2018	<5	<5	<5				<5		<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/16/2018	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/16/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorodibromomethane	124-48-1	ug/L	10/20/2021						<1				<1
Chlorodibromomethane	124-48-1	ug/L	5/2/2022				<1		<1	<1			<1
Chlorodibromomethane	124-48-1	ug/L	10/14/2022						<1				<1
Chlorodibromomethane	124-48-1	ug/L	5/1/2023				<5		<5	<5		<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/16/2023						<5				<5
Chlorodibromomethane	124-48-1	ug/L	4/29/2024						<5	<5			<5
Chlorodibromomethane	124-48-1	ug/L	10/10/2024										<5.00
Chlorodibromomethane	124-48-1	ug/L	10/11/2024						<5.00				
Chlorodibromomethane	124-48-1	ug/L	4/23/2025					<5.00					
Chlorodibromomethane	124-48-1	ug/L	4/25/2025			<5.00					<5.00		
Chlorodibromomethane	124-48-1	ug/L	4/28/2025										<5.00
Chlorodibromomethane	124-48-1	ug/L	4/30/2025							<5.00			

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Chlorodibromomethane	124-48-1	ug/L	5/5/2025									<5.00	
Chlorodibromomethane	124-48-1	ug/L	5/6/2025	<5.00	<5.00								
Chlorodibromomethane	124-48-1	ug/L	5/7/2025						<5.00				
Chloroethane	75-00-3	ug/L	2/27/2008	<4	<4	<4	<4	<4	<4				
Chloroethane	75-00-3	ug/L	5/12/2008	<4	<4	<4	<4	<4	<4				
Chloroethane	75-00-3	ug/L	7/13/2008	<4	<4	<4	<4	<4	<4				
Chloroethane	75-00-3	ug/L	9/14/2008	<4	<4	<4	<4	<4	<4				
Chloroethane	75-00-3	ug/L	11/17/2008	<4	<4	<4	<4	<4	<4				
Chloroethane	75-00-3	ug/L	4/14/2009	<4	<4	<4	<4	<4	<4				
Chloroethane	75-00-3	ug/L	7/7/2009								<4	<4	
Chloroethane	75-00-3	ug/L	9/2/2009								<4	<4	
Chloroethane	75-00-3	ug/L	10/25/2009	<4	<4	<4	<4	<4	<4		<4	<4	
Chloroethane	75-00-3	ug/L	1/2/2010								<4	<4	
Chloroethane	75-00-3	ug/L	3/3/2010								<4	<4	<4
Chloroethane	75-00-3	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4			<4	<4
Chloroethane	75-00-3	ug/L	7/8/2010										<4
Chloroethane	75-00-3	ug/L	9/13/2010										<4
Chloroethane	75-00-3	ug/L	11/1/2010	<4	<4	<4	<4	<4			<4	<4	
Chloroethane	75-00-3	ug/L	4/4/2011										<4
Chloroethane	75-00-3	ug/L	10/13/2011	<4	<4	<4	<4	<4			<4	<4	<4
Chloroethane	75-00-3	ug/L	12/5/2011						<4				
Chloroethane	75-00-3	ug/L	4/11/2012	<4	<4	<4	<4	<4	<4		<4	<4	<4
Chloroethane	75-00-3	ug/L	6/25/2012						<4				
Chloroethane	75-00-3	ug/L	8/1/2012						<4	<4			
Chloroethane	75-00-3	ug/L	10/11/2012	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	12/13/2012						<4	<4			
Chloroethane	75-00-3	ug/L	2/4/2013						<4	<4			
Chloroethane	75-00-3	ug/L	3/30/2013	<4	<4	<4	4.12	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/7/2013	<4	<4		<4	<4	<4	<4	<4		<4
Chloroethane	75-00-3	ug/L	6/2/2014	<4	<4	1.14J	0.746J	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/15/2014	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/6/2015	<4	<4	<4		<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/5/2015	<4	<4	1.06J		<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/4/2016	<4	<4	<4	0.861J	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/17/2016	<4	<4	<4	0.984J	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/17/2017	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/11/2017	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/20/2018						<4				
Chloroethane	75-00-3	ug/L	4/24/2018				<4	<4			<4		
Chloroethane	75-00-3	ug/L	4/25/2018	<4	<4	<4				<4		<4	<4
Chloroethane	75-00-3	ug/L	10/16/2018	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/16/2019	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/1/2019	<4	<4	1.58J	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	3/30/2020	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/7/2020	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	75-00-3	ug/L	10/20/2021						<1				<1
Chloroethane	75-00-3	ug/L	5/2/2022				<1		<1	<1			<1
Chloroethane	75-00-3	ug/L	10/14/2022						<1				<1
Chloroethane	75-00-3	ug/L	5/1/2023				<4		<4	<4		<4	<4
Chloroethane	75-00-3	ug/L	10/16/2023						<4				<4
Chloroethane	75-00-3	ug/L	4/29/2024						<4	<4			<4
Chloroethane	75-00-3	ug/L	10/10/2024										<4.00
Chloroethane	75-00-3	ug/L	10/11/2024						<4.00				
Chloroethane	75-00-3	ug/L	4/23/2025					<4.00					
Chloroethane	75-00-3	ug/L	4/25/2025			<4.00					<4.00		
Chloroethane	75-00-3	ug/L	4/28/2025										<4.00
Chloroethane	75-00-3	ug/L	4/30/2025							<4.00			
Chloroethane	75-00-3	ug/L	5/5/2025									<4.00	
Chloroethane	75-00-3	ug/L	5/6/2025	<4.00	<4.00								
Chloroethane	75-00-3	ug/L	5/7/2025						<4.00				
Chloroform	67-66-3	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
Chloroform	67-66-3	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Chloroform	67-66-3	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
Chloroform	67-66-3	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
Chloroform	67-66-3	ug/L	11/17/2008	<1	<1	<1	<1	<2.5	<1				
Chloroform	67-66-3	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
Chloroform	67-66-3	ug/L	7/7/2009								<1	<1	
Chloroform	67-66-3	ug/L	9/2/2009								<1	<1	
Chloroform	67-66-3	ug/L	10/25/2009	<2	<2	<2	<2	<1	<2		<2	<2	
Chloroform	67-66-3	ug/L	1/2/2010								<1	<1	
Chloroform	67-66-3	ug/L	3/3/2010								<1	<1	<1
Chloroform	67-66-3	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
Chloroform	67-66-3	ug/L	7/8/2010										<1
Chloroform	67-66-3	ug/L	9/13/2010										<1
Chloroform	67-66-3	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
Chloroform	67-66-3	ug/L	4/4/2011										<1
Chloroform	67-66-3	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
Chloroform	67-66-3	ug/L	12/5/2011						<1				
Chloroform	67-66-3	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
Chloroform	67-66-3	ug/L	6/25/2012						<1				
Chloroform	67-66-3	ug/L	8/1/2012						<1	<1			
Chloroform	67-66-3	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	12/13/2012						<1	<1			
Chloroform	67-66-3	ug/L	2/4/2013						<1	<1			
Chloroform	67-66-3	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
Chloroform	67-66-3	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	4/20/2018						<1				
Chloroform	67-66-3	ug/L	4/24/2018				<1	<1			<1		
Chloroform	67-66-3	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
Chloroform	67-66-3	ug/L	10/16/2018	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	4/16/2019	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	10/1/2019	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	3/30/2020	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	10/7/2020	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/20/2021						<1				<1
Chloroform	67-66-3	ug/L	5/2/2022				<1		<1	<1			<1
Chloroform	67-66-3	ug/L	10/14/2022						<1				<1
Chloroform	67-66-3	ug/L	5/1/2023				<3		<3	<3		<3	<3
Chloroform	67-66-3	ug/L	10/16/2023						<3				<3
Chloroform	67-66-3	ug/L	4/29/2024						<3	<3			<3
Chloroform	67-66-3	ug/L	10/10/2024										<3.00
Chloroform	67-66-3	ug/L	10/11/2024						<3.00				
Chloroform	67-66-3	ug/L	4/23/2025					<3.00					
Chloroform	67-66-3	ug/L	4/25/2025			<3.00					<3.00		
Chloroform	67-66-3	ug/L	4/28/2025										<3.00
Chloroform	67-66-3	ug/L	4/30/2025							<3.00			
Chloroform	67-66-3	ug/L	5/5/2025									<3.00	
Chloroform	67-66-3	ug/L	5/6/2025	<3.00	<3.00								
Chloroform	67-66-3	ug/L	5/7/2025						<3.00				
Chloromethane	74-87-3	ug/L	2/27/2008	<3	<3	<3	<3	<3	<3				
Chloromethane	74-87-3	ug/L	5/12/2008	<3	<3	<3	<3	<3	<3				
Chloromethane	74-87-3	ug/L	7/13/2008	<3	<3	<3	<3	<3	<3				
Chloromethane	74-87-3	ug/L	9/14/2008	<3	<3	<3	<3	<3	<3				
Chloromethane	74-87-3	ug/L	11/17/2008	<3	<3	<3	<3	<3	<3				
Chloromethane	74-87-3	ug/L	4/14/2009	<3	<3	<3	<3	<3	<3				
Chloromethane	74-87-3	ug/L	7/7/2009								<3	<3	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Chloromethane	74-87-3	ug/L	9/2/2009								<3	<3	
Chloromethane	74-87-3	ug/L	10/25/2009	<3	<3	<3	<3	<3	<3		<3	<3	
Chloromethane	74-87-3	ug/L	1/2/2010								<3	<3	
Chloromethane	74-87-3	ug/L	3/3/2010								<3	<3	<3
Chloromethane	74-87-3	ug/L	5/10/2010	<3	<3	<3	<3	<3	<3			<3	<3
Chloromethane	74-87-3	ug/L	7/8/2010										<3
Chloromethane	74-87-3	ug/L	9/13/2010										<3
Chloromethane	74-87-3	ug/L	11/1/2010	<3	<3	<3	<3	<3			<3	<3	
Chloromethane	74-87-3	ug/L	4/4/2011										<3
Chloromethane	74-87-3	ug/L	10/13/2011	<3	<3	<3	<3	<3			<3	<3	<3
Chloromethane	74-87-3	ug/L	12/5/2011						<3				
Chloromethane	74-87-3	ug/L	4/11/2012	<3	<3	<3	<3	<3	<3		<3	<3	<3
Chloromethane	74-87-3	ug/L	6/25/2012						<3				
Chloromethane	74-87-3	ug/L	8/1/2012						<3	<3			
Chloromethane	74-87-3	ug/L	10/11/2012	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	12/13/2012						<3	<3			
Chloromethane	74-87-3	ug/L	2/4/2013						<3	<3			
Chloromethane	74-87-3	ug/L	3/30/2013	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/7/2013	<3	<3		<3	<3	<3	<3	<3		<3
Chloromethane	74-87-3	ug/L	6/2/2014	<3	<3	<3	<3	<3	<3	<3	1.89J	<3	<3
Chloromethane	74-87-3	ug/L	10/15/2014	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/6/2015	<3	<3	<3		<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/5/2015	<3	<3	<3		<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/4/2016	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/17/2016	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/17/2017	<3	<3	0.509J	0.36J	0.441J	0.464J	<3	0.349J	<3	<3
Chloromethane	74-87-3	ug/L	10/11/2017	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/20/2018						<3				
Chloromethane	74-87-3	ug/L	4/24/2018				<3	<3			<3		
Chloromethane	74-87-3	ug/L	4/25/2018	<3	<3	<3				<3		<3	<3
Chloromethane	74-87-3	ug/L	10/16/2018	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/16/2019	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/1/2019	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	3/30/2020	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/7/2020	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	74-87-3	ug/L	10/20/2021						<1				<1
Chloromethane	74-87-3	ug/L	5/2/2022				<1		<1	<1			<1
Chloromethane	74-87-3	ug/L	10/14/2022						<1				<1
Chloromethane	74-87-3	ug/L	5/1/2023				<3		<3	<3		<3	<3
Chloromethane	74-87-3	ug/L	10/16/2023						<3				<3
Chloromethane	74-87-3	ug/L	4/29/2024						<3	<3			<3
Chloromethane	74-87-3	ug/L	10/10/2024										<3.00
Chloromethane	74-87-3	ug/L	10/11/2024						<3.00				
Chloromethane	74-87-3	ug/L	4/23/2025					<3.00					
Chloromethane	74-87-3	ug/L	4/25/2025			<3.00					<3.00		
Chloromethane	74-87-3	ug/L	4/28/2025										<3.00
Chloromethane	74-87-3	ug/L	4/30/2025							<3.00			
Chloromethane	74-87-3	ug/L	5/5/2025									<3.00	
Chloromethane	74-87-3	ug/L	5/6/2025	<3.00	<3.00								
Chloromethane	74-87-3	ug/L	5/7/2025						<3.00				
Chloroprene	126-99-8	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
Chloroprene	126-99-8	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	
Chloroprene	126-99-8	ug/L	4/4/2011										<1
Chloroprene	126-99-8	ug/L	10/15/2014								<1		
Chloroprene	126-99-8	ug/L	10/5/2015	<1	<1	<1		<1	<1		<1	<1	
Chloroprene	126-99-8	ug/L	4/4/2016										<1
Chloroprene	126-99-8	ug/L	4/17/2017				<1						
Chloroprene	126-99-8	ug/L	3/30/2020	<1	<1	<1		<1	<1		<1	<1	
Chloroprene	126-99-8	ug/L	10/20/2021										<1
Chloroprene	126-99-8	ug/L	5/2/2022				<1						
Chloroprene	126-99-8	ug/L	4/23/2025					<1.00					
Chloroprene	126-99-8	ug/L	4/25/2025			<1.00					<1.00		

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Chloroprene	126-99-8	ug/L	5/5/2025									<1.00	
Chloroprene	126-99-8	ug/L	5/6/2025	<1.00	<1.00								
Chloroprene	126-99-8	ug/L	5/7/2025						<1.00				
Chromium	7440-47-3	mg/L	2/27/2008	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Chromium	7440-47-3	mg/L	5/12/2008	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Chromium	7440-47-3	mg/L	7/13/2008	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Chromium	7440-47-3	mg/L	9/14/2008	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Chromium	7440-47-3	mg/L	11/17/2008	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Chromium	7440-47-3	mg/L	4/14/2009	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
Chromium	7440-47-3	mg/L	7/7/2009								<0.1	<0.1	
Chromium	7440-47-3	mg/L	9/2/2009								<0.1	<0.1	
Chromium	7440-47-3	mg/L	10/25/2009	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	
Chromium	7440-47-3	mg/L	1/2/2010								<0.1	<0.1	
Chromium	7440-47-3	mg/L	3/3/2010								<0.1	<0.1	<0.1
Chromium	7440-47-3	mg/L	5/10/2010	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	<0.02
Chromium	7440-47-3	mg/L	7/8/2010										<0.1
Chromium	7440-47-3	mg/L	9/13/2010										<0.1
Chromium	7440-47-3	mg/L	11/1/2010								<0.1	<0.1	
Chromium	7440-47-3	mg/L	4/4/2011								<0.1	<0.1	<0.02
Chromium	7440-47-3	mg/L	7/8/2011										<0.1
Chromium	7440-47-3	mg/L	8/11/2011										<0.1
Chromium	7440-47-3	mg/L	10/13/2011	<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	12/5/2011						<0.02				
Chromium	7440-47-3	mg/L	4/11/2012	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	6/25/2012						<0.02				
Chromium	7440-47-3	mg/L	8/1/2012						<0.02	<0.02			
Chromium	7440-47-3	mg/L	10/11/2012	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.067
Chromium	7440-47-3	mg/L	12/13/2012						<0.02	<0.02			
Chromium	7440-47-3	mg/L	3/30/2013	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	10/7/2013	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0202	<0.02	<0.02
Chromium	7440-47-3	mg/L	6/2/2014	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	10/15/2014	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	4/6/2015	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/5/2015	<0.005	<0.005	<0.005		<0.005	0.00341J	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	4/4/2016	<0.005	<0.005	<0.005	<0.005	<0.005	0.000632J	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/17/2016	0.000514J	<0.005	<0.005	<0.005	<0.005	0.000597J	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	4/17/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/11/2017	<0.005	<0.005	0.000867J	<0.005	<0.005	0.00185J	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	4/20/2018						0.00177J				
Chromium	7440-47-3	mg/L	4/24/2018				<0.005	<0.005			<0.005		
Chromium	7440-47-3	mg/L	4/25/2018	0.0014J	<0.02	<0.005				<0.005		<0.005	<0.005
Chromium	7440-47-3	mg/L	10/16/2018	0.00168J	<0.005	0.00507	0.00364J	0.00332J	0.00988	0.0174	0.00333J	<0.005	<0.005
Chromium	7440-47-3	mg/L	4/16/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/1/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	3/30/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/7/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	4/13/2021	0.0006J	<0.008	<0.008	<0.008	<0.008	0.0008J	<0.008	<0.008	<0.008	<0.008
Chromium	7440-47-3	mg/L	10/20/2021						0.001J; 0.003J				<0.008
Chromium	7440-47-3	mg/L	5/2/2022				<0.008		0.0029J	0.0034J			<0.008
Chromium	7440-47-3	mg/L	10/14/2022						0.0048J; 0.0036J				0.0007J
Chromium	7440-47-3	mg/L	5/1/2023						<0.005	<0.005			<0.005
Chromium	7440-47-3	mg/L	10/16/2023						<0.005				<0.005
Chromium	7440-47-3	mg/L	4/29/2024						<0.005	<0.005			<0.02
Chromium	7440-47-3	mg/L	10/10/2024										<0.00500
Chromium	7440-47-3	mg/L	10/11/2024						<0.00500				
Chromium	7440-47-3	mg/L	4/23/2025					<0.00500					
Chromium	7440-47-3	mg/L	4/25/2025			<0.00500					<0.00500		
Chromium	7440-47-3	mg/L	4/28/2025										<0.0250
Chromium	7440-47-3	mg/L	4/30/2025							<0.00500			
Chromium	7440-47-3	mg/L	5/5/2025									<0.00500	
Chromium	7440-47-3	mg/L	5/6/2025	<0.00500	<0.00500								
Chromium	7440-47-3	mg/L	5/7/2025						0.00419				
Chrysene	218-01-9	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Chrysene	218-01-9	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Chrysene	218-01-9	ug/L	4/4/2011										<10
Chrysene	218-01-9	ug/L	10/15/2014								<10		
Chrysene	218-01-9	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Chrysene	218-01-9	ug/L	4/4/2016										<10.3
Chrysene	218-01-9	ug/L	4/17/2017				<11						
Chrysene	218-01-9	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Chrysene	218-01-9	ug/L	10/20/2021										<8
Chrysene	218-01-9	ug/L	5/2/2022				<8						
Chrysene	218-01-9	ug/L	4/23/2025					<10.4					
Chrysene	218-01-9	ug/L	4/25/2025			<10.4					<10.2		
Chrysene	218-01-9	ug/L	5/5/2025									<10.0	
Chrysene	218-01-9	ug/L	5/6/2025	<10.4	<10.4								
Chrysene	218-01-9	ug/L	5/7/2025						<10.6				
Cobalt	7440-48-4	mg/L	2/27/2008	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	5/12/2008	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	7/13/2008	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	9/14/2008	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	11/17/2008	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	4/14/2009	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	7/7/2009								<0.02	<0.02	
Cobalt	7440-48-4	mg/L	9/2/2009								<0.02	<0.02	
Cobalt	7440-48-4	mg/L	10/25/2009	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	
Cobalt	7440-48-4	mg/L	1/2/2010								<0.02	<0.02	
Cobalt	7440-48-4	mg/L	3/3/2010								<0.02	<0.02	0.0389
Cobalt	7440-48-4	mg/L	5/10/2010	<0.02	0.0025	0.0151	0.01	0.00803	<0.02			0.00689	0.0336
Cobalt	7440-48-4	mg/L	7/8/2010								0.0182	0.00539	0.0298
Cobalt	7440-48-4	mg/L	9/13/2010								0.018	0.00649	0.0219
Cobalt	7440-48-4	mg/L	11/1/2010	0.00272	0.00298	0.00332	0.00942	0.00592			0.0117	0.00558	
Cobalt	7440-48-4	mg/L	1/10/2011								0.015	0.00344	
Cobalt	7440-48-4	mg/L	4/4/2011		0.0034	0.00422					0.0143	0.00454	0.0313
Cobalt	7440-48-4	mg/L	7/8/2011										0.0141
Cobalt	7440-48-4	mg/L	8/11/2011										0.0162
Cobalt	7440-48-4	mg/L	10/13/2011	0.00272	0.00258	0.00237	0.00909	0.00778			0.017	0.00575	0.0214
Cobalt	7440-48-4	mg/L	12/5/2011						0.0017				0.00757
Cobalt	7440-48-4	mg/L	4/11/2012	<0.02	0.00631	0.00178	0.00981	0.00826	0.00761		0.0178	0.00571	0.00631
Cobalt	7440-48-4	mg/L	6/25/2012						<0.02				
Cobalt	7440-48-4	mg/L	8/1/2012						<0.02	0.00445			
Cobalt	7440-48-4	mg/L	10/11/2012	0.00325	<0.02	0.0109	0.00833	0.00703	<0.02	0.00249	0.0158	0.00635	0.0559
Cobalt	7440-48-4	mg/L	12/13/2012						<0.00155	0.00202			
Cobalt	7440-48-4	mg/L	3/30/2013	0.00502	0.00289	0.00404	0.0103	0.00709	<0.00132	<0.00132	0.0158	0.00687	0.0228
Cobalt	7440-48-4	mg/L	10/7/2013	<0.007	<0.007	0.013	0.00983	0.00757	<0.007	<0.007	0.0176	<0.007	0.0263
Cobalt	7440-48-4	mg/L	6/2/2014	<0.00241	<0.00241	<0.00241	0.0081	0.00643	0.0107	<0.00241	0.0131	0.00372	0.00484
Cobalt	7440-48-4	mg/L	10/15/2014	<0.00241	<0.00241	<0.00241	0.00881	0.00615	0.00342	<0.00241	0.0141	0.00533	0.00652
Cobalt	7440-48-4	mg/L	4/6/2015	0.00215	0.000894	0.00135		0.00668	0.000275J	0.000335J	0.0159	0.00682	0.00689
Cobalt	7440-48-4	mg/L	10/5/2015	0.00122	0.00051	0.00103		0.007	0.0075	0.000614	0.0138	0.00645	0.00978; 0.0112
Cobalt	7440-48-4	mg/L	4/4/2016	0.000525	0.000459J	0.000749	0.00803	0.00638	0.000504	0.000386J	0.0337	0.00572; 0.0059	0.00975
Cobalt	7440-48-4	mg/L	10/17/2016	0.00103	0.000431J	0.00091	0.00798	0.00742; 0.00756	0.000582	0.000424J	0.0193	0.00604	0.0132
Cobalt	7440-48-4	mg/L	4/17/2017	0.00037J	0.000147J; 0.000221J	0.00114	0.00199	0.00654	0.000234J	0.000501	0.00558	0.00647	0.00906
Cobalt	7440-48-4	mg/L	10/11/2017	0.00403	0.00014J; 0.000159J	0.00212	0.00195	0.00539	0.00732	0.000905	0.0159	0.0057	0.0147
Cobalt	7440-48-4	mg/L	4/20/2018						0.000726				
Cobalt	7440-48-4	mg/L	4/24/2018				0.00269	0.00438			0.0181		
Cobalt	7440-48-4	mg/L	4/25/2018	0.000796	<0.002	0.00106				0.000904		0.00508	0.017; 0.019
Cobalt	7440-48-4	mg/L	10/16/2018	0.00053J	<0.001	0.000973J	0.00152	0.00855	0.00198	0.00817	0.0172	0.00552	0.0483
Cobalt	7440-48-4	mg/L	4/16/2019	0.000111J	0.000115J	0.000886	0.000696	0.00185	0.000267J	0.000728	0.02	0.00614	0.0528
Cobalt	7440-48-4	mg/L	10/1/2019	0.00548	0.000106J	0.00158	0.00049J	0.00677	0.000334J; 0.000261J	0.000948	0.0182	0.00627	0.0476
Cobalt	7440-48-4	mg/L	3/30/2020	0.000255J	0.000169J	0.000963	0.000962	0.00705	0.000314J	0.000204J	0.0134	0.00646	0.0577; 0.06
Cobalt	7440-48-4	mg/L	10/7/2020	0.00451	0.000119J	0.000931	0.000657	0.00617	0.000232J	0.00207	0.00831	0.00609; 0.00619	0.0487
Cobalt	7440-48-4	mg/L	4/13/2021	0.0003J	0.0003J	0.0006	0.0005	0.0028	0.0003J	0.0007	0.0067	0.006	0.0825
Cobalt	7440-48-4	mg/L	10/20/2021						0.0009; 0.0016				0.102
Cobalt	7440-48-4	mg/L	5/2/2022	0.0003J	0.0003J	0.0031	0.0014	0.0071	0.0018	0.009	0.0016	0.0093	0.0843
Cobalt	7440-48-4	mg/L	10/14/2022						0.0044; 0.0024				0.081
Cobalt	7440-48-4	mg/L	5/1/2023	0.000276J	0.000257J	0.00163	0.000527	0.00374	0.00162	0.00123	0.000456J	0.00419	0.0411

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Cobalt	7440-48-4	mg/L	10/16/2023						0.000727; 0.000701				0.0358
Cobalt	7440-48-4	mg/L	4/29/2024	<0.0005	<0.0005	0.00941	0.000328J	0.00118	0.000195J	0.00095	0.000297J	0.00427; 0.00432	0.0641
Cobalt	7440-48-4	mg/L	10/10/2024										0.0509
Cobalt	7440-48-4	mg/L	10/11/2024						0.000243J				
Cobalt	7440-48-4	mg/L	4/23/2025					0.00144					
Cobalt	7440-48-4	mg/L	4/25/2025			0.000832					0.000268		
Cobalt	7440-48-4	mg/L	4/28/2025										0.223
Cobalt	7440-48-4	mg/L	4/30/2025							0.000379			
Cobalt	7440-48-4	mg/L	5/5/2025									0.00290	
Cobalt	7440-48-4	mg/L	5/6/2025	0.00120	0.000186								
Cobalt	7440-48-4	mg/L	5/7/2025				0.000659		0.00115				
Copper	7440-50-8	mg/L	2/27/2008	0.032	0.031	0.049	0.027	<0.025	0.053				
Copper	7440-50-8	mg/L	5/12/2008	<0.025	0.095	0.039	<0.025	<0.025	<0.025				
Copper	7440-50-8	mg/L	7/13/2008	<0.025	0.03	<0.025	<0.025	<0.025	0.03				
Copper	7440-50-8	mg/L	9/14/2008	<0.025	<0.025	0.027	<0.025	<0.025	<0.025				
Copper	7440-50-8	mg/L	11/17/2008	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Copper	7440-50-8	mg/L	4/14/2009	<0.025	<0.025; 0.026	0.048	<0.025	<0.025	<0.025				
Copper	7440-50-8	mg/L	7/7/2009		<0.025	<0.025					<0.025	<0.025	
Copper	7440-50-8	mg/L	9/2/2009		0.034; 0.038	<0.025					<0.025	<0.025	
Copper	7440-50-8	mg/L	10/25/2009	<0.025	0.043	<0.025	<0.025	<0.025	<0.025		<0.025	<0.025	
Copper	7440-50-8	mg/L	1/2/2010		<0.025	<0.025					<0.025	<0.025	
Copper	7440-50-8	mg/L	3/3/2010								<0.025	<0.025	<0.025
Copper	7440-50-8	mg/L	5/10/2010	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	<0.02
Copper	7440-50-8	mg/L	7/8/2010										<0.025
Copper	7440-50-8	mg/L	9/13/2010										<0.025
Copper	7440-50-8	mg/L	11/1/2010								<0.025	<0.025	
Copper	7440-50-8	mg/L	4/4/2011								<0.025	<0.025	<0.02
Copper	7440-50-8	mg/L	7/8/2011										<0.025
Copper	7440-50-8	mg/L	8/11/2011										<0.025
Copper	7440-50-8	mg/L	10/13/2011	<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	<0.02	0.0305
Copper	7440-50-8	mg/L	12/5/2011						<0.02				
Copper	7440-50-8	mg/L	4/11/2012	<0.02	<0.02	<0.02	<0.02	<0.02	0.0327		<0.02	<0.02	<0.02
Copper	7440-50-8	mg/L	6/25/2012						<0.02				
Copper	7440-50-8	mg/L	8/1/2012						<0.02	<0.02			
Copper	7440-50-8	mg/L	10/11/2012	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0888
Copper	7440-50-8	mg/L	12/13/2012						<0.02	<0.02			
Copper	7440-50-8	mg/L	3/30/2013	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Copper	7440-50-8	mg/L	10/7/2013	<0.02	<0.02	<0.02	<0.02	<0.02	0.128	<0.02	<0.02	<0.02	0.0324
Copper	7440-50-8	mg/L	6/2/2014	<0.02	<0.02	<0.02	<0.02	<0.02	0.111	<0.02	<0.02	<0.02	<0.02
Copper	7440-50-8	mg/L	10/15/2014	<0.02	<0.02	<0.02	<0.02	<0.02	0.0361	0.00376J	0.00488J	0.00427J	0.005J
Copper	7440-50-8	mg/L	4/6/2015	0.00129J	<0.002	<0.002		0.000491J	0.000937J	<0.002	0.00145J	0.00176J	0.0013J
Copper	7440-50-8	mg/L	10/5/2015	0.00215	0.000636J	<0.002		<0.002	0.0191	<0.002	0.0023	0.00526	0.000676J; 0.000855J
Copper	7440-50-8	mg/L	4/4/2016	0.00248J	<0.005	<0.005	<0.005	<0.005	0.00154J	<0.005	0.00124J	0.00237J; 0.00253J	<0.005
Copper	7440-50-8	mg/L	10/17/2016	<0.005	<0.005	<0.005	<0.005	<0.005	0.00177J	<0.005	0.00122J	0.00636	<0.005
Copper	7440-50-8	mg/L	4/17/2017	0.00292J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00265J
Copper	7440-50-8	mg/L	10/11/2017	<0.005	<0.005	<0.005	0.022	<0.005	0.0193	<0.005	<0.005	0.00319J	<0.005
Copper	7440-50-8	mg/L	4/20/2018						0.00176J				
Copper	7440-50-8	mg/L	4/24/2018				<0.005	<0.005			<0.005		
Copper	7440-50-8	mg/L	4/25/2018	0.0052	<0.02	<0.005				<0.005		<0.005	<0.005
Copper	7440-50-8	mg/L	10/16/2018	0.0031	0.00072J; 0.000589J	0.00154J	0.00189J	0.00142J	0.00588	0.0129	0.00184J	0.00292	0.00367
Copper	7440-50-8	mg/L	4/16/2019	<0.005	<0.005	<0.005	<0.005	<0.005	0.00266J	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	10/1/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00222J	<0.005
Copper	7440-50-8	mg/L	3/30/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00368J	<0.005
Copper	7440-50-8	mg/L	10/7/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00151J	<0.005	0.00422J; 0.00356J	<0.005
Copper	7440-50-8	mg/L	4/13/2021	0.0028J	<0.004	<0.004	0.0013J	0.002J	0.0015J	0.0011J	<0.004	0.0101	<0.004
Copper	7440-50-8	mg/L	10/20/2021						0.0016J; 0.0043				0.0017J
Copper	7440-50-8	mg/L	5/2/2022	0.0022J	<0.004	0.0011J	0.001J	0.0016J	0.0053	0.0034J	<0.004	0.002J	<0.004
Copper	7440-50-8	mg/L	10/14/2022						0.0066				0.0015J
Copper	7440-50-8	mg/L	5/1/2023	0.00356J	0.0032J	<0.005	0.00281J	0.00547	0.0126	0.00194J	0.00304J	<0.005	<0.005
Copper	7440-50-8	mg/L	10/16/2023						<0.005				<0.005
Copper	7440-50-8	mg/L	4/29/2024	0.00188J	<0.005	0.00206J	<0.005	<0.005	<0.005	<0.005	0.00324J	<0.005	0.0025J
Copper	7440-50-8	mg/L	10/10/2024										<0.00500
Copper	7440-50-8	mg/L	10/11/2024						<0.00500				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Copper	7440-50-8	mg/L	4/23/2025					<0.00500					
Copper	7440-50-8	mg/L	4/25/2025			<0.00500					<0.00500		
Copper	7440-50-8	mg/L	4/28/2025										<0.0250
Copper	7440-50-8	mg/L	4/30/2025							<0.00500			
Copper	7440-50-8	mg/L	5/5/2025									<0.00500	
Copper	7440-50-8	mg/L	5/6/2025	<0.00500	<0.00500								
Copper	7440-50-8	mg/L	5/7/2025				<0.00500		<0.00500				
Cyanide	57-12-5	mg/L	4/14/2009	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Cyanide	57-12-5	mg/L	5/10/2010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	
Cyanide	57-12-5	mg/L	4/4/2011										<0.01
Cyanide	57-12-5	mg/L	10/15/2014								<0.01		
Cyanide	57-12-5	mg/L	10/5/2015	<0.01	<0.01	<0.01		<0.01	<0.01		<0.01	<0.01	
Cyanide	57-12-5	mg/L	4/4/2016										<0.01
Cyanide	57-12-5	mg/L	4/17/2017				<0.01						
Cyanide	57-12-5	mg/L	3/30/2020	<0.01	<0.01	<0.01		<0.01	<0.01		<0.01	<0.01	
Cyanide	57-12-5	mg/L	10/20/2021										<0.005
Cyanide	57-12-5	mg/L	5/2/2022				<0.005						
Cyanide, Total	57-12-5	mg/L	4/23/2025					<0.0100					
Cyanide, Total	57-12-5	mg/L	4/25/2025			<0.0100					<0.0100		
Cyanide, Total	57-12-5	mg/L	5/5/2025									<0.0100	
Cyanide, Total	57-12-5	mg/L	5/6/2025	<0.0100	<0.0100								
Cyanide, Total	57-12-5	mg/L	5/7/2025						<0.0100				
DCAA	19719-28-9	ug/L	4/23/2025					1.34; 1.41					
DCAA	19719-28-9	ug/L	4/25/2025			1.36; 1.46					1.24; 1.36		
DCAA	19719-28-9	ug/L	5/5/2025									0.926; 0.975	
DCAA	19719-28-9	ug/L	5/6/2025	1.97; 1.88	2.06; 1.95								
DCAA	19719-28-9	ug/L	5/7/2025						1.26; 1.18				
Delta-BHC	319-86-8	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
Delta-BHC	319-86-8	ug/L	7/7/2009		<0.032	<0.032							
Delta-BHC	319-86-8	ug/L	9/2/2009			<0.032							
Delta-BHC	319-86-8	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
Delta-BHC	319-86-8	ug/L	4/4/2011										<0.032
Delta-BHC	319-86-8	ug/L	10/15/2014								0.00772J		
Delta-BHC	319-86-8	ug/L	10/5/2015	<0.033	<0.032	<0.032		<0.0323	<0.0327		0.00601J	<0.032	
Delta-BHC	319-86-8	ug/L	4/4/2016										<0.0333
Delta-BHC	319-86-8	ug/L	4/17/2017				<0.0337						
Delta-BHC	319-86-8	ug/L	3/30/2020	<0.0337	<0.0333	<0.0333		<0.034	0.00288J		<0.0337	<0.0337	
Delta-BHC	319-86-8	ug/L	10/20/2021										<0.05
Delta-BHC	319-86-8	ug/L	5/2/2022				<0.05						
Di-n-butyl phthalate	84-74-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Di-n-butyl phthalate	84-74-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Di-n-butyl phthalate	84-74-2	ug/L	4/4/2011										<10
Di-n-butyl phthalate	84-74-2	ug/L	10/15/2014								<10		
Di-n-butyl phthalate	84-74-2	ug/L	10/5/2015	<10.3	1.77J	1.31J		<10.3	<10.8		<10.9	<10	
Di-n-butyl phthalate	84-74-2	ug/L	4/4/2016										<10.3
Di-n-butyl phthalate	84-74-2	ug/L	4/17/2017				<11						
Di-n-butyl phthalate	84-74-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Di-n-butyl phthalate	84-74-2	ug/L	10/20/2021										<8
Di-n-butyl phthalate	84-74-2	ug/L	5/2/2022				<8						
Di-n-butyl phthalate	84-74-2	ug/L	4/23/2025					<10.4					
Di-n-butyl phthalate	84-74-2	ug/L	4/25/2025			<10.4					<10.2		
Di-n-butyl phthalate	84-74-2	ug/L	5/5/2025									<10.0	
Di-n-butyl phthalate	84-74-2	ug/L	5/6/2025	<10.4	<10.4								
Di-n-butyl phthalate	84-74-2	ug/L	5/7/2025						<10.6				
Di-n-octyl phthalate	117-84-0	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Di-n-octyl phthalate	117-84-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Di-n-octyl phthalate	117-84-0	ug/L	4/4/2011										<10
Di-n-octyl phthalate	117-84-0	ug/L	10/15/2014								<20		
Di-n-octyl phthalate	117-84-0	ug/L	10/5/2015	<20.6	<20	<20		<20.6	<21.5		<21.7	<20	
Di-n-octyl phthalate	117-84-0	ug/L	4/4/2016										<20.6
Di-n-octyl phthalate	117-84-0	ug/L	4/17/2017				<22						
Di-n-octyl phthalate	117-84-0	ug/L	3/30/2020	<20.8	<20.8	<20.4		<20.4	<20.6		<20.8	<20.8	
Di-n-octyl phthalate	117-84-0	ug/L	10/20/2021										<8

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Di-n-octyl phthalate	117-84-0	ug/L	5/2/2022				<8						
Di-n-octyl phthalate	117-84-0	ug/L	4/23/2025					<20.8					
Di-n-octyl phthalate	117-84-0	ug/L	4/25/2025			<20.8					<20.4		
Di-n-octyl phthalate	117-84-0	ug/L	5/5/2025									<20.0	
Di-n-octyl phthalate	117-84-0	ug/L	5/6/2025	<20.8	<20.8								
Di-n-octyl phthalate	117-84-0	ug/L	5/7/2025						<21.3				
Diallate	2303-16-4	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Diallate	2303-16-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Diallate	2303-16-4	ug/L	4/4/2011										<10
Diallate	2303-16-4	ug/L	10/15/2014								<10		
Diallate	2303-16-4	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Diallate	2303-16-4	ug/L	4/4/2016										<10.3
Diallate	2303-16-4	ug/L	4/17/2017				<11						
Diallate	2303-16-4	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Diallate	2303-16-4	ug/L	10/20/2021										<8
Diallate	2303-16-4	ug/L	5/2/2022				<8						
Diallate	2303-16-4	ug/L	4/23/2025					<10.4					
Diallate	2303-16-4	ug/L	4/25/2025			<10.4					<10.2		
Diallate	2303-16-4	ug/L	5/5/2025									<10.0	
Diallate	2303-16-4	ug/L	5/6/2025	<10.4	<10.4								
Diallate	2303-16-4	ug/L	5/7/2025						<10.6				
Dibenz [a,h] anthracene	53-70-3	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Dibenz [a,h] anthracene	53-70-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Dibenz [a,h] anthracene	53-70-3	ug/L	4/4/2011										<10
Dibenz [a,h] anthracene	53-70-3	ug/L	10/15/2014								<10		
Dibenz [a,h] anthracene	53-70-3	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Dibenz [a,h] anthracene	53-70-3	ug/L	4/4/2016										<10.3
Dibenz [a,h] anthracene	53-70-3	ug/L	4/17/2017				<11						
Dibenz [a,h] anthracene	53-70-3	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Dibenz [a,h] anthracene	53-70-3	ug/L	10/20/2021										<8
Dibenz [a,h] anthracene	53-70-3	ug/L	5/2/2022				<8						
Dibenzo(a,h)anthracene	53-70-3	ug/L	4/23/2025					<10.4					
Dibenzo(a,h)anthracene	53-70-3	ug/L	4/25/2025			<10.4					<10.2		
Dibenzo(a,h)anthracene	53-70-3	ug/L	5/5/2025									<10.0	
Dibenzo(a,h)anthracene	53-70-3	ug/L	5/6/2025	<10.4	<10.4								
Dibenzo(a,h)anthracene	53-70-3	ug/L	5/7/2025						<10.6				
Dibenzofuran	132-64-9	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Dibenzofuran	132-64-9	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Dibenzofuran	132-64-9	ug/L	4/4/2011										<10
Dibenzofuran	132-64-9	ug/L	10/15/2014								<10		
Dibenzofuran	132-64-9	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Dibenzofuran	132-64-9	ug/L	4/4/2016										<10.3
Dibenzofuran	132-64-9	ug/L	4/17/2017				<11						
Dibenzofuran	132-64-9	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Dibenzofuran	132-64-9	ug/L	10/20/2021										<8
Dibenzofuran	132-64-9	ug/L	5/2/2022				<8						
Dibenzofuran	132-64-9	ug/L	4/23/2025					<10.4					
Dibenzofuran	132-64-9	ug/L	4/25/2025			<10.4					<10.2		
Dibenzofuran	132-64-9	ug/L	5/5/2025									<10.0	
Dibenzofuran	132-64-9	ug/L	5/6/2025	<10.4	<10.4								
Dibenzofuran	132-64-9	ug/L	5/7/2025						<10.6				
Dibromomethane	74-95-3	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
Dibromomethane	74-95-3	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
Dibromomethane	74-95-3	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
Dibromomethane	74-95-3	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
Dibromomethane	74-95-3	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
Dibromomethane	74-95-3	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
Dibromomethane	74-95-3	ug/L	7/7/2009								<1	<1	
Dibromomethane	74-95-3	ug/L	9/2/2009								<1	<1	
Dibromomethane	74-95-3	ug/L	10/25/2009	<2	<2	<2	<2	<1	<2		<2	<2	
Dibromomethane	74-95-3	ug/L	1/2/2010								<1	<1	
Dibromomethane	74-95-3	ug/L	3/3/2010								<1	<1	<1
Dibromomethane	74-95-3	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Dibromomethane	74-95-3	ug/L	7/8/2010										<1
Dibromomethane	74-95-3	ug/L	9/13/2010										<1
Dibromomethane	74-95-3	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
Dibromomethane	74-95-3	ug/L	4/4/2011										<1
Dibromomethane	74-95-3	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
Dibromomethane	74-95-3	ug/L	12/5/2011						<1				
Dibromomethane	74-95-3	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
Dibromomethane	74-95-3	ug/L	6/25/2012						<1				
Dibromomethane	74-95-3	ug/L	8/1/2012						<1	<1			
Dibromomethane	74-95-3	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	12/13/2012						<1	<1			
Dibromomethane	74-95-3	ug/L	2/4/2013						<1	<1			
Dibromomethane	74-95-3	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
Dibromomethane	74-95-3	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/20/2018						<1				
Dibromomethane	74-95-3	ug/L	4/24/2018				<1	<1			<1		
Dibromomethane	74-95-3	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
Dibromomethane	74-95-3	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/20/2021						<1				<1
Dibromomethane	74-95-3	ug/L	5/2/2022				<1		<1	<1			<1
Dibromomethane	74-95-3	ug/L	10/14/2022						<1				<1
Dibromomethane	74-95-3	ug/L	5/1/2023				<1		<1	<1		<1	<1
Dibromomethane	74-95-3	ug/L	10/16/2023						<1				<1
Dibromomethane	74-95-3	ug/L	4/29/2024						<1	<1			<1
Dibromomethane	74-95-3	ug/L	10/10/2024										<1.00
Dibromomethane	74-95-3	ug/L	10/11/2024						<1.00				
Dibromomethane	74-95-3	ug/L	4/23/2025					<1.00					
Dibromomethane	74-95-3	ug/L	4/25/2025			<1.00					<1.00		
Dibromomethane	74-95-3	ug/L	4/28/2025										<1.00
Dibromomethane	74-95-3	ug/L	4/30/2025							<1.00			
Dibromomethane	74-95-3	ug/L	5/5/2025									<1.00	
Dibromomethane	74-95-3	ug/L	5/6/2025	<1.00	<1.00								
Dibromomethane	74-95-3	ug/L	5/7/2025						<1.00				
Dichlorodifluoromethane	75-71-8	ug/L	4/14/2009	<3	<3	<3	<3	<3	<3				
Dichlorodifluoromethane	75-71-8	ug/L	5/10/2010	<3	<3	<3	<3	<3	<3			<3	
Dichlorodifluoromethane	75-71-8	ug/L	4/4/2011										<3
Dichlorodifluoromethane	75-71-8	ug/L	10/15/2014								<3		
Dichlorodifluoromethane	75-71-8	ug/L	10/5/2015	<3	<3	0.438J		<3	<3		0.965J	<3	
Dichlorodifluoromethane	75-71-8	ug/L	4/4/2016										<3
Dichlorodifluoromethane	75-71-8	ug/L	4/17/2017				<3						
Dichlorodifluoromethane	75-71-8	ug/L	3/30/2020	<3	<3	<3		<3	<3		<3	<3	
Dichlorodifluoromethane	75-71-8	ug/L	10/20/2021										<1
Dichlorodifluoromethane	75-71-8	ug/L	5/2/2022				<1						
Dichlorodifluoromethane	75-71-8	ug/L	4/23/2025					<3.00					
Dichlorodifluoromethane	75-71-8	ug/L	4/25/2025			<3.00					<3.00		
Dichlorodifluoromethane	75-71-8	ug/L	5/5/2025									<3.00	
Dichlorodifluoromethane	75-71-8	ug/L	5/6/2025	<3.00	<3.00								
Dichlorodifluoromethane	75-71-8	ug/L	5/7/2025						<3.00				
Dieldrin	60-57-1	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
Dieldrin	60-57-1	ug/L	7/7/2009		<0.032	<0.032							

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Dieldrin	60-57-1	ug/L	9/2/2009			<0.032							
Dieldrin	60-57-1	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
Dieldrin	60-57-1	ug/L	4/4/2011										<0.032
Dieldrin	60-57-1	ug/L	10/15/2014								0.0128J		
Dieldrin	60-57-1	ug/L	10/5/2015	<0.033	<0.032	<0.032		<0.0323	<0.0327		0.00766J	<0.032	
Dieldrin	60-57-1	ug/L	4/4/2016										0.00228J
Dieldrin	60-57-1	ug/L	4/17/2017				<0.0337						
Dieldrin	60-57-1	ug/L	3/30/2020	<0.0337	0.00309J	<0.0333		<0.034	<0.033		<0.0337	0.00433J	
Dieldrin	60-57-1	ug/L	10/20/2021										<0.05
Dieldrin	60-57-1	ug/L	5/2/2022				<0.05						
Dieldrin	60-57-1	ug/L	4/23/2025					<0.0904					
Dieldrin	60-57-1	ug/L	4/25/2025			<0.0921					<0.0902		
Dieldrin	60-57-1	ug/L	5/5/2025									<0.0904	
Dieldrin	60-57-1	ug/L	5/6/2025	<0.0900	<0.0916								
Dieldrin	60-57-1	ug/L	5/7/2025						<0.0897				
Diethyl phthalate	84-66-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Diethyl phthalate	84-66-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Diethyl phthalate	84-66-2	ug/L	4/4/2011										<10
Diethyl phthalate	84-66-2	ug/L	10/15/2014								<10		
Diethyl phthalate	84-66-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Diethyl phthalate	84-66-2	ug/L	4/4/2016										<10.3
Diethyl phthalate	84-66-2	ug/L	4/17/2017				<11						
Diethyl phthalate	84-66-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Diethyl phthalate	84-66-2	ug/L	10/20/2021										<8
Diethyl phthalate	84-66-2	ug/L	5/2/2022				<8						
Diethyl phthalate	84-66-2	ug/L	4/23/2025					<10.4					
Diethyl phthalate	84-66-2	ug/L	4/25/2025			<10.4					<10.2		
Diethyl phthalate	84-66-2	ug/L	5/5/2025									<10.0	
Diethyl phthalate	84-66-2	ug/L	5/6/2025	<10.4	<10.4								
Diethyl phthalate	84-66-2	ug/L	5/7/2025						<10.6				
Dimethoate	60-51-5	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Dimethoate	60-51-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Dimethoate	60-51-5	ug/L	4/4/2011										<10
Dimethoate	60-51-5	ug/L	10/15/2014								<10		
Dimethoate	60-51-5	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Dimethoate	60-51-5	ug/L	4/4/2016										<10.3
Dimethoate	60-51-5	ug/L	4/17/2017				<11						
Dimethoate	60-51-5	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Dimethoate	60-51-5	ug/L	10/20/2021										<0.4
Dimethoate	60-51-5	ug/L	5/2/2022				<0.4						
Dimethoate	60-51-5	ug/L	4/23/2025					<10.4					
Dimethoate	60-51-5	ug/L	4/25/2025			<10.4					<10.2		
Dimethoate	60-51-5	ug/L	5/5/2025									<10.0	
Dimethoate	60-51-5	ug/L	5/6/2025	<10.4	<10.4								
Dimethoate	60-51-5	ug/L	5/7/2025						<10.6				
Dimethyl phthalate	131-11-3	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Dimethyl phthalate	131-11-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Dimethyl phthalate	131-11-3	ug/L	4/4/2011										<10
Dimethyl phthalate	131-11-3	ug/L	10/15/2014								<10		
Dimethyl phthalate	131-11-3	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Dimethyl phthalate	131-11-3	ug/L	4/4/2016										<10.3
Dimethyl phthalate	131-11-3	ug/L	4/17/2017				<11						
Dimethyl phthalate	131-11-3	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Dimethyl phthalate	131-11-3	ug/L	10/20/2021										<8
Dimethyl phthalate	131-11-3	ug/L	5/2/2022				<8						
Dimethyl phthalate	131-11-3	ug/L	4/23/2025					<10.4					
Dimethyl phthalate	131-11-3	ug/L	4/25/2025			<10.4					<10.2		
Dimethyl phthalate	131-11-3	ug/L	5/5/2025									<10.0	
Dimethyl phthalate	131-11-3	ug/L	5/6/2025	<10.4	<10.4								
Dimethyl phthalate	131-11-3	ug/L	5/7/2025						<10.6				
Dimethylaminoazobenzene	60-11-7	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Dimethylaminoazobenzene	60-11-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Dimethylaminoazobenzene	60-11-7	ug/L	4/4/2011										<10

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Dimethylaminoazobenzene	60-11-7	ug/L	10/15/2014								<10		
Dimethylaminoazobenzene	60-11-7	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Dimethylaminoazobenzene	60-11-7	ug/L	4/4/2016										<10.3
Dimethylaminoazobenzene	60-11-7	ug/L	4/17/2017				<11						
Dimethylaminoazobenzene	60-11-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Dimethylaminoazobenzene	60-11-7	ug/L	10/20/2021										<8
Dimethylaminoazobenzene	60-11-7	ug/L	5/2/2022				<8						
Dinoseb	88-85-7	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Dinoseb	88-85-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Dinoseb	88-85-7	ug/L	4/4/2011										<10
Dinoseb	88-85-7	ug/L	10/15/2014								<10		
Dinoseb	88-85-7	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Dinoseb	88-85-7	ug/L	4/4/2016										<10.3
Dinoseb	88-85-7	ug/L	4/17/2017				<11						
Dinoseb	88-85-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Dinoseb	88-85-7	ug/L	10/20/2021										<0.5
Dinoseb	88-85-7	ug/L	5/2/2022				<0.5						
Dinoseb	88-85-7	ug/L	4/23/2025					<10.4					
Dinoseb	88-85-7	ug/L	4/25/2025			<10.4					<10.2		
Dinoseb	88-85-7	ug/L	5/5/2025									<10.0	
Dinoseb	88-85-7	ug/L	5/6/2025	<10.4	<10.4								
Dinoseb	88-85-7	ug/L	5/7/2025						<10.6				
Diphenylamine	122-39-4	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Diphenylamine	122-39-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Diphenylamine	122-39-4	ug/L	4/4/2011										<10
Diphenylamine	122-39-4	ug/L	10/15/2014								<10		
Diphenylamine	122-39-4	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Diphenylamine	122-39-4	ug/L	4/4/2016										<10.3
Diphenylamine	122-39-4	ug/L	4/17/2017				<11						
Diphenylamine	122-39-4	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Diphenylamine	122-39-4	ug/L	10/20/2021										<8
Diphenylamine	122-39-4	ug/L	5/2/2022				<8						
Diphenylamine	122-39-4	ug/L	4/23/2025					<10.4					
Diphenylamine	122-39-4	ug/L	4/25/2025			<10.4					<10.2		
Diphenylamine	122-39-4	ug/L	5/5/2025									<10.0	
Diphenylamine	122-39-4	ug/L	5/6/2025	<10.4	<10.4								
Diphenylamine	122-39-4	ug/L	5/7/2025						<10.6				
Disulfoton	298-04-4	ug/L	4/14/2009	<70	<70	<70	<70	<140	<70				
Disulfoton	298-04-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Disulfoton	298-04-4	ug/L	4/4/2011										<10
Disulfoton	298-04-4	ug/L	10/15/2014								<10		
Disulfoton	298-04-4	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Disulfoton	298-04-4	ug/L	4/4/2016										<10.3
Disulfoton	298-04-4	ug/L	4/17/2017				<11						
Disulfoton	298-04-4	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Disulfoton	298-04-4	ug/L	10/20/2021										<0.4
Disulfoton	298-04-4	ug/L	5/2/2022				<0.4						
Disulfoton	298-04-4	ug/L	4/23/2025					<10.4					
Disulfoton	298-04-4	ug/L	4/25/2025			<10.4					<10.2		
Disulfoton	298-04-4	ug/L	5/5/2025									<10.0	
Disulfoton	298-04-4	ug/L	5/6/2025	<10.4	<10.4								
Disulfoton	298-04-4	ug/L	5/7/2025						<10.6				
Endosulfan I	959-98-8	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
Endosulfan I	959-98-8	ug/L	7/7/2009		<0.032	<0.032							
Endosulfan I	959-98-8	ug/L	9/2/2009			<0.032							
Endosulfan I	959-98-8	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
Endosulfan I	959-98-8	ug/L	4/4/2011										<0.032
Endosulfan I	959-98-8	ug/L	10/15/2014								0.00865J		
Endosulfan I	959-98-8	ug/L	10/5/2015	<0.033	0.00225J	<0.032		<0.0323	<0.0327		0.00373J	<0.032	
Endosulfan I	959-98-8	ug/L	4/4/2016										<0.0333
Endosulfan I	959-98-8	ug/L	4/17/2017				<0.0337						
Endosulfan I	959-98-8	ug/L	3/30/2020	<0.0337	0.00368J	<0.0333		<0.034	<0.033		<0.0337	<0.0337	
Endosulfan I	959-98-8	ug/L	10/20/2021										<0.05

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Endosulfan I	959-98-8	ug/L	5/2/2022				<0.05						
Endosulfan I	959-98-8	ug/L	4/23/2025					<0.0904					
Endosulfan I	959-98-8	ug/L	4/25/2025			<0.0921					<0.0902		
Endosulfan I	959-98-8	ug/L	5/5/2025									<0.0904	
Endosulfan I	959-98-8	ug/L	5/6/2025	<0.0900	<0.0916								
Endosulfan I	959-98-8	ug/L	5/7/2025						<0.0897				
Endosulfan II	33213-65-9	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
Endosulfan II	33213-65-9	ug/L	7/7/2009		<0.032	<0.032							
Endosulfan II	33213-65-9	ug/L	9/2/2009			<0.032							
Endosulfan II	33213-65-9	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
Endosulfan II	33213-65-9	ug/L	4/4/2011										<0.032
Endosulfan II	33213-65-9	ug/L	10/15/2014								0.0276J		
Endosulfan II	33213-65-9	ug/L	10/5/2015	<0.033	<0.032	<0.032		<0.0323	<0.0327		<0.0381	<0.032	
Endosulfan II	33213-65-9	ug/L	4/4/2016										<0.0333
Endosulfan II	33213-65-9	ug/L	4/17/2017				<0.0337						
Endosulfan II	33213-65-9	ug/L	3/30/2020	<0.0337	<0.0333	<0.0333		0.00216J	<0.033		<0.0337	<0.0337	
Endosulfan II	33213-65-9	ug/L	10/20/2021										<0.05
Endosulfan II	33213-65-9	ug/L	5/2/2022				0.01J						
Endosulfan II	33213-65-9	ug/L	4/23/2025					<0.0904					
Endosulfan II	33213-65-9	ug/L	4/25/2025			<0.0921					<0.0902		
Endosulfan II	33213-65-9	ug/L	5/5/2025									<0.0904	
Endosulfan II	33213-65-9	ug/L	5/6/2025	<0.0900	<0.0916								
Endosulfan II	33213-65-9	ug/L	5/7/2025						<0.0897				
Endosulfan sulfate	1031-07-8	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
Endosulfan sulfate	1031-07-8	ug/L	7/7/2009		<0.032	<0.032							
Endosulfan sulfate	1031-07-8	ug/L	9/2/2009			<0.032							
Endosulfan sulfate	1031-07-8	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
Endosulfan sulfate	1031-07-8	ug/L	4/4/2011										<0.032
Endosulfan sulfate	1031-07-8	ug/L	10/15/2014								0.0028J		
Endosulfan sulfate	1031-07-8	ug/L	10/5/2015	<0.033	<0.032	0.0193J		<0.0323	<0.0327		0.00358J	<0.032	
Endosulfan sulfate	1031-07-8	ug/L	4/4/2016										<0.0333
Endosulfan sulfate	1031-07-8	ug/L	4/17/2017				<0.0337						
Endosulfan sulfate	1031-07-8	ug/L	3/30/2020	<0.0337	<0.0333	0.0308J		<0.034	<0.033		<0.0337	0.00377J	
Endosulfan sulfate	1031-07-8	ug/L	10/20/2021										<0.05
Endosulfan sulfate	1031-07-8	ug/L	5/2/2022				<0.05						
Endosulfan sulfate	1031-07-8	ug/L	4/23/2025					<0.0904					
Endosulfan sulfate	1031-07-8	ug/L	4/25/2025			<0.0921					<0.0902		
Endosulfan sulfate	1031-07-8	ug/L	5/5/2025									<0.0904	
Endosulfan sulfate	1031-07-8	ug/L	5/6/2025	<0.0900	<0.0916								
Endosulfan sulfate	1031-07-8	ug/L	5/7/2025						<0.0897				
Endrin	72-20-8	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
Endrin	72-20-8	ug/L	7/7/2009		<0.032	<0.032							
Endrin	72-20-8	ug/L	9/2/2009			<0.032							
Endrin	72-20-8	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
Endrin	72-20-8	ug/L	4/4/2011										<0.032
Endrin	72-20-8	ug/L	10/15/2014								0.56		
Endrin	72-20-8	ug/L	4/6/2015								0.0888		
Endrin	72-20-8	ug/L	6/10/2015								0.0457		
Endrin	72-20-8	ug/L	8/10/2015								0.119		
Endrin	72-20-8	ug/L	9/14/2015								<0.032		
Endrin	72-20-8	ug/L	10/5/2015	<0.033	<0.032	<0.032		0.00529J	<0.0327		0.032J	<0.032	
Endrin	72-20-8	ug/L	4/4/2016								0.122		0.0162J
Endrin	72-20-8	ug/L	10/17/2016								<0.032		
Endrin	72-20-8	ug/L	4/17/2017				<0.0337				0.0638		
Endrin	72-20-8	ug/L	10/11/2017								0.00482J		
Endrin	72-20-8	ug/L	4/24/2018								<0.0333		
Endrin	72-20-8	ug/L	10/16/2018								0.00438J		
Endrin	72-20-8	ug/L	4/16/2019								<0.0327		
Endrin	72-20-8	ug/L	10/1/2019								0.00443J		
Endrin	72-20-8	ug/L	3/30/2020	<0.0337	<0.0333	<0.0333		<0.034	<0.033		0.00763J	<0.0337	
Endrin	72-20-8	ug/L	10/7/2020								<0.0356		
Endrin	72-20-8	ug/L	4/13/2021								<0.05		
Endrin	72-20-8	ug/L	10/20/2021										<0.05

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Endrin	72-20-8	ug/L	5/2/2022				<0.05				<0.05		
Endrin	72-20-8	ug/L	5/1/2023								<0.0696		
Endrin	72-20-8	ug/L	4/29/2024								<0.08		
Endrin	72-20-8	ug/L	4/23/2025					<0.0904					
Endrin	72-20-8	ug/L	4/25/2025			<0.0921					<0.0902		
Endrin	72-20-8	ug/L	5/5/2025									<0.0904	
Endrin	72-20-8	ug/L	5/6/2025	<0.0900	<0.0916								
Endrin	72-20-8	ug/L	5/7/2025						<0.0897				
Endrin aldehyde	7421-93-4	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
Endrin aldehyde	7421-93-4	ug/L	7/7/2009		<0.032	<0.032							
Endrin aldehyde	7421-93-4	ug/L	9/2/2009			<0.032							
Endrin aldehyde	7421-93-4	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
Endrin aldehyde	7421-93-4	ug/L	4/4/2011										<0.032
Endrin aldehyde	7421-93-4	ug/L	12/13/2012							<0.05			
Endrin aldehyde	7421-93-4	ug/L	10/15/2014								0.011J		
Endrin aldehyde	7421-93-4	ug/L	10/5/2015	<0.033	<0.032	0.0106J		<0.0323	<0.0327		<0.0381	<0.032	
Endrin aldehyde	7421-93-4	ug/L	4/4/2016										0.00992J
Endrin aldehyde	7421-93-4	ug/L	4/17/2017				<0.0337						
Endrin aldehyde	7421-93-4	ug/L	3/30/2020	<0.0337	<0.0333	<0.0333		<0.034	<0.033		<0.0337	<0.0337	
Endrin aldehyde	7421-93-4	ug/L	10/20/2021										<0.05
Endrin aldehyde	7421-93-4	ug/L	5/2/2022				0.01J						
Endrin aldehyde	7421-93-4	ug/L	4/23/2025					<0.0904					
Endrin aldehyde	7421-93-4	ug/L	4/25/2025			<0.0921					<0.0902		
Endrin aldehyde	7421-93-4	ug/L	5/5/2025									<0.0904	
Endrin aldehyde	7421-93-4	ug/L	5/6/2025	<0.0900	<0.0916								
Endrin aldehyde	7421-93-4	ug/L	5/7/2025						<0.0897				
Ethyl Methacrylate	97-63-2	ug/L	4/14/2009	<2	<2	<2	<2	<2	<2				
Ethyl Methacrylate	97-63-2	ug/L	5/10/2010	<20	<20	<20	<20	<20	<20			<20	
Ethyl Methacrylate	97-63-2	ug/L	4/4/2011										<2
Ethyl Methacrylate	97-63-2	ug/L	10/15/2014								<2		
Ethyl Methacrylate	97-63-2	ug/L	10/5/2015	<2	<2	<2		<2	<2		<2	<2	
Ethyl Methacrylate	97-63-2	ug/L	4/4/2016										<2
Ethyl Methacrylate	97-63-2	ug/L	4/17/2017				<2						
Ethyl Methacrylate	97-63-2	ug/L	3/30/2020	<2	<2	<2		<2	<2		<2	<2	
Ethyl Methacrylate	97-63-2	ug/L	10/20/2021										<10
Ethyl Methacrylate	97-63-2	ug/L	5/2/2022				<10						
Ethyl Methanesulfonate	62-50-0	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Ethyl Methanesulfonate	62-50-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Ethyl Methanesulfonate	62-50-0	ug/L	4/4/2011										<10
Ethyl Methanesulfonate	62-50-0	ug/L	10/15/2014								<10		
Ethyl Methanesulfonate	62-50-0	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Ethyl Methanesulfonate	62-50-0	ug/L	4/4/2016										<10.3
Ethyl Methanesulfonate	62-50-0	ug/L	4/17/2017				<11						
Ethyl Methanesulfonate	62-50-0	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Ethyl Methanesulfonate	62-50-0	ug/L	10/20/2021										<8
Ethyl Methanesulfonate	62-50-0	ug/L	5/2/2022				<8						
Ethyl Parathion	56-38-2	ug/L	4/23/2025					<10.4					
Ethyl Parathion	56-38-2	ug/L	4/25/2025			<10.4					<10.2		
Ethyl Parathion	56-38-2	ug/L	5/5/2025									<10.0	
Ethyl Parathion	56-38-2	ug/L	5/6/2025	<10.4	<10.4								
Ethyl Parathion	56-38-2	ug/L	5/7/2025						<10.6				
Ethyl methacrylate	97-63-2	ug/L	4/23/2025					<2.00					
Ethyl methacrylate	97-63-2	ug/L	4/25/2025			<2.00					<2.00		
Ethyl methacrylate	97-63-2	ug/L	5/5/2025									<2.00	
Ethyl methacrylate	97-63-2	ug/L	5/6/2025	<2.00	<2.00								
Ethyl methacrylate	97-63-2	ug/L	5/7/2025						<2.00				
Ethyl methanesulfonate	62-50-0	ug/L	4/23/2025					<10.4					
Ethyl methanesulfonate	62-50-0	ug/L	4/25/2025			<10.4					<10.2		
Ethyl methanesulfonate	62-50-0	ug/L	5/5/2025									<10.0	
Ethyl methanesulfonate	62-50-0	ug/L	5/6/2025	<10.4	<10.4								
Ethyl methanesulfonate	62-50-0	ug/L	5/7/2025						<10.6				
Ethylbenzene	100-41-4	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
Ethylbenzene	100-41-4	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Ethylbenzene	100-41-4	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
Ethylbenzene	100-41-4	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
Ethylbenzene	100-41-4	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
Ethylbenzene	100-41-4	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
Ethylbenzene	100-41-4	ug/L	7/7/2009								<1	<1	
Ethylbenzene	100-41-4	ug/L	9/2/2009								<1	<1	
Ethylbenzene	100-41-4	ug/L	10/25/2009	<2	<2	<2	<2	<1	<2		<2	<2	
Ethylbenzene	100-41-4	ug/L	1/2/2010								<1	<1	
Ethylbenzene	100-41-4	ug/L	3/3/2010								<1	<1	<1
Ethylbenzene	100-41-4	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
Ethylbenzene	100-41-4	ug/L	7/8/2010										<1
Ethylbenzene	100-41-4	ug/L	9/13/2010										<1
Ethylbenzene	100-41-4	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
Ethylbenzene	100-41-4	ug/L	4/4/2011										<1
Ethylbenzene	100-41-4	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
Ethylbenzene	100-41-4	ug/L	12/5/2011						<1				
Ethylbenzene	100-41-4	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
Ethylbenzene	100-41-4	ug/L	6/25/2012						<1				
Ethylbenzene	100-41-4	ug/L	8/1/2012						<1	<1			
Ethylbenzene	100-41-4	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	12/13/2012						<1	<1			
Ethylbenzene	100-41-4	ug/L	2/4/2013						<1	<1			
Ethylbenzene	100-41-4	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
Ethylbenzene	100-41-4	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/20/2018						<1				
Ethylbenzene	100-41-4	ug/L	4/24/2018				<1	<1			<1		
Ethylbenzene	100-41-4	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
Ethylbenzene	100-41-4	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/20/2021						<1				<1
Ethylbenzene	100-41-4	ug/L	5/2/2022				<1		<1	<1			<1
Ethylbenzene	100-41-4	ug/L	10/14/2022						<1				<1
Ethylbenzene	100-41-4	ug/L	5/1/2023				<1		<1	<1		<1	<1
Ethylbenzene	100-41-4	ug/L	10/16/2023						<1				<1
Ethylbenzene	100-41-4	ug/L	4/29/2024						<1	<1			<1
Ethylbenzene	100-41-4	ug/L	10/10/2024										<1.00
Ethylbenzene	100-41-4	ug/L	10/11/2024						<1.00				
Ethylbenzene	100-41-4	ug/L	4/23/2025					<1.00					
Ethylbenzene	100-41-4	ug/L	4/25/2025			<1.00					<1.00		
Ethylbenzene	100-41-4	ug/L	4/28/2025										<1.00
Ethylbenzene	100-41-4	ug/L	4/30/2025							<1.00			
Ethylbenzene	100-41-4	ug/L	5/5/2025									<1.00	
Ethylbenzene	100-41-4	ug/L	5/6/2025	<1.00	<1.00								
Ethylbenzene	100-41-4	ug/L	5/7/2025						<1.00				
Famphur	52-85-7	ug/L	4/14/2009	<20	<20	<20	<20	<40	<20				
Famphur	52-85-7	ug/L	5/10/2010	<20	<20	<20	<20	<20	<20			<20	
Famphur	52-85-7	ug/L	4/4/2011										<20
Famphur	52-85-7	ug/L	10/15/2014								<20		
Famphur	52-85-7	ug/L	10/5/2015	<20.6	<20	<20		<20.6	<21.5		<21.7	<20	
Famphur	52-85-7	ug/L	4/4/2016										<20.6
Famphur	52-85-7	ug/L	4/17/2017				<22						

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Famphur	52-85-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Famphur	52-85-7	ug/L	10/20/2021										<0.4
Famphur	52-85-7	ug/L	5/2/2022				<0.4						
Famphur	52-85-7	ug/L	4/23/2025					<10.4					
Famphur	52-85-7	ug/L	4/25/2025			<10.4					<10.2		
Famphur	52-85-7	ug/L	5/5/2025									<10.0	
Famphur	52-85-7	ug/L	5/6/2025	<10.4	<10.4								
Famphur	52-85-7	ug/L	5/7/2025						<10.6				
Fluoranthene	206-44-0	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Fluoranthene	206-44-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Fluoranthene	206-44-0	ug/L	4/4/2011										<10
Fluoranthene	206-44-0	ug/L	10/15/2014								<10		
Fluoranthene	206-44-0	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Fluoranthene	206-44-0	ug/L	4/4/2016										<10.3
Fluoranthene	206-44-0	ug/L	4/17/2017				<11						
Fluoranthene	206-44-0	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Fluoranthene	206-44-0	ug/L	10/20/2021										<8
Fluoranthene	206-44-0	ug/L	5/2/2022				<8						
Fluoranthene	206-44-0	ug/L	4/23/2025					<10.4					
Fluoranthene	206-44-0	ug/L	4/25/2025			<10.4					<10.2		
Fluoranthene	206-44-0	ug/L	5/5/2025									<10.0	
Fluoranthene	206-44-0	ug/L	5/6/2025	<10.4	<10.4								
Fluoranthene	206-44-0	ug/L	5/7/2025						<10.6				
Fluorene	86-73-7	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Fluorene	86-73-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Fluorene	86-73-7	ug/L	4/4/2011										<10
Fluorene	86-73-7	ug/L	10/15/2014								<10		
Fluorene	86-73-7	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Fluorene	86-73-7	ug/L	4/4/2016										<10.3
Fluorene	86-73-7	ug/L	4/17/2017				<11						
Fluorene	86-73-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Fluorene	86-73-7	ug/L	10/20/2021										<8
Fluorene	86-73-7	ug/L	5/2/2022				<8						
Fluorene	86-73-7	ug/L	4/23/2025					<10.4					
Fluorene	86-73-7	ug/L	4/25/2025			<10.4					<10.2		
Fluorene	86-73-7	ug/L	5/5/2025									<10.0	
Fluorene	86-73-7	ug/L	5/6/2025	<10.4	<10.4								
Fluorene	86-73-7	ug/L	5/7/2025						<10.6				
Gamma-BHC [Lindane]	58-89-9	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
Gamma-BHC [Lindane]	58-89-9	ug/L	7/7/2009		<0.032	<0.032							
Gamma-BHC [Lindane]	58-89-9	ug/L	9/2/2009			<0.032							
Gamma-BHC [Lindane]	58-89-9	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
Gamma-BHC [Lindane]	58-89-9	ug/L	4/4/2011										<0.032
Gamma-BHC [Lindane]	58-89-9	ug/L	10/15/2014								<0.032		
Gamma-BHC [Lindane]	58-89-9	ug/L	10/5/2015	<0.033	<0.032	<0.032		<0.0323	<0.0327		<0.0381	<0.032	
Gamma-BHC [Lindane]	58-89-9	ug/L	4/4/2016										<0.0333
Gamma-BHC [Lindane]	58-89-9	ug/L	4/17/2017				<0.0337						
Gamma-BHC [Lindane]	58-89-9	ug/L	3/30/2020	<0.0337	<0.0333	0.00302J		0.0037J	<0.033		<0.0337	<0.0337	
Gamma-BHC [Lindane]	58-89-9	ug/L	10/20/2021										<0.05
Gamma-BHC [Lindane]	58-89-9	ug/L	5/2/2022				<0.05						
Heptachlor	76-44-8	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
Heptachlor	76-44-8	ug/L	7/7/2009		<0.032	<0.032							
Heptachlor	76-44-8	ug/L	9/2/2009			<0.032							
Heptachlor	76-44-8	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
Heptachlor	76-44-8	ug/L	7/8/2010								<0.032		
Heptachlor	76-44-8	ug/L	9/13/2010								<0.032		
Heptachlor	76-44-8	ug/L	11/1/2010								<0.032		
Heptachlor	76-44-8	ug/L	1/10/2011								<0.032		
Heptachlor	76-44-8	ug/L	4/4/2011								<0.032		<0.032
Heptachlor	76-44-8	ug/L	4/11/2012								<0.032		
Heptachlor	76-44-8	ug/L	10/11/2012								<0.032		
Heptachlor	76-44-8	ug/L	12/13/2012							<0.05			
Heptachlor	76-44-8	ug/L	10/15/2014								<0.032		

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Heptachlor	76-44-8	ug/L	10/5/2015	0.00368J	<0.032	<0.032		0.0046J	<0.0327		0.0373J	<0.032	
Heptachlor	76-44-8	ug/L	4/4/2016										<0.0333
Heptachlor	76-44-8	ug/L	4/17/2017				<0.0337						
Heptachlor	76-44-8	ug/L	3/30/2020	<0.0337	<0.0333	<0.0333		<0.034	<0.033		0.00999J	<0.0337	
Heptachlor	76-44-8	ug/L	10/20/2021										<0.05
Heptachlor	76-44-8	ug/L	5/2/2022				<0.05						
Heptachlor	76-44-8	ug/L	4/23/2025					<0.0904					
Heptachlor	76-44-8	ug/L	4/25/2025			<0.0921					<0.0902		
Heptachlor	76-44-8	ug/L	5/5/2025									<0.0904	
Heptachlor	76-44-8	ug/L	5/6/2025	<0.0900	<0.0916								
Heptachlor	76-44-8	ug/L	5/7/2025						<0.0897				
Heptachlor Epoxide	1024-57-3	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
Heptachlor Epoxide	1024-57-3	ug/L	7/7/2009		<0.032	<0.032							
Heptachlor Epoxide	1024-57-3	ug/L	9/2/2009			<0.032							
Heptachlor Epoxide	1024-57-3	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
Heptachlor Epoxide	1024-57-3	ug/L	4/4/2011										<0.032
Heptachlor Epoxide	1024-57-3	ug/L	10/15/2014								0.00711J		
Heptachlor Epoxide	1024-57-3	ug/L	10/5/2015	<0.033	<0.032	<0.032		<0.0323	<0.0327		<0.0381	<0.032	
Heptachlor Epoxide	1024-57-3	ug/L	4/4/2016										<0.0333
Heptachlor Epoxide	1024-57-3	ug/L	4/17/2017				<0.0337						
Heptachlor Epoxide	1024-57-3	ug/L	3/30/2020	<0.0337	<0.0333	<0.0333		<0.034	<0.033		<0.0337	<0.0337	
Heptachlor Epoxide	1024-57-3	ug/L	10/20/2021										<0.05
Heptachlor Epoxide	1024-57-3	ug/L	5/2/2022				<0.05						
Heptachlor epoxide	1024-57-3	ug/L	4/23/2025					<0.0904					
Heptachlor epoxide	1024-57-3	ug/L	4/25/2025			<0.0921					<0.0902		
Heptachlor epoxide	1024-57-3	ug/L	5/5/2025									<0.0904	
Heptachlor epoxide	1024-57-3	ug/L	5/6/2025	<0.0900	<0.0916								
Heptachlor epoxide	1024-57-3	ug/L	5/7/2025						<0.0897				
Hexachlorobenzene	118-74-1	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Hexachlorobenzene	118-74-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Hexachlorobenzene	118-74-1	ug/L	4/4/2011										<10
Hexachlorobenzene	118-74-1	ug/L	10/15/2014								<10		
Hexachlorobenzene	118-74-1	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Hexachlorobenzene	118-74-1	ug/L	4/4/2016										<10.3
Hexachlorobenzene	118-74-1	ug/L	4/17/2017				<11						
Hexachlorobenzene	118-74-1	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Hexachlorobenzene	118-74-1	ug/L	10/20/2021										<0.05
Hexachlorobenzene	118-74-1	ug/L	5/2/2022				<0.05						
Hexachlorobenzene	118-74-1	ug/L	4/23/2025					<10.4					
Hexachlorobenzene	118-74-1	ug/L	4/25/2025			<10.4					<10.2		
Hexachlorobenzene	118-74-1	ug/L	5/5/2025									<10.0	
Hexachlorobenzene	118-74-1	ug/L	5/6/2025	<10.4	<10.4								
Hexachlorobenzene	118-74-1	ug/L	5/7/2025						<10.6				
Hexachlorobutadiene	87-68-3	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Hexachlorobutadiene	87-68-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Hexachlorobutadiene	87-68-3	ug/L	4/4/2011										<10
Hexachlorobutadiene	87-68-3	ug/L	10/15/2014								<10		
Hexachlorobutadiene	87-68-3	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Hexachlorobutadiene	87-68-3	ug/L	4/4/2016										<10.3
Hexachlorobutadiene	87-68-3	ug/L	4/17/2017				<11						
Hexachlorobutadiene	87-68-3	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Hexachlorobutadiene	87-68-3	ug/L	10/20/2021										<8
Hexachlorobutadiene	87-68-3	ug/L	5/2/2022				<8						
Hexachlorobutadiene	87-68-3	ug/L	4/23/2025					<10.4					
Hexachlorobutadiene	87-68-3	ug/L	4/25/2025			<10.4					<10.2		
Hexachlorobutadiene	87-68-3	ug/L	5/5/2025									<10.0	
Hexachlorobutadiene	87-68-3	ug/L	5/6/2025	<10.4	<10.4								
Hexachlorobutadiene	87-68-3	ug/L	5/7/2025						<10.6				
Hexachlorocyclopentadiene	77-47-4	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Hexachlorocyclopentadiene	77-47-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Hexachlorocyclopentadiene	77-47-4	ug/L	4/4/2011										<10
Hexachlorocyclopentadiene	77-47-4	ug/L	10/15/2014								<20		
Hexachlorocyclopentadiene	77-47-4	ug/L	10/5/2015	<20.6	<20	<20		<20.6	<21.5		<21.7	<20	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Hexachlorocyclopentadiene	77-47-4	ug/L	4/4/2016										<20.6
Hexachlorocyclopentadiene	77-47-4	ug/L	4/17/2017				<22						
Hexachlorocyclopentadiene	77-47-4	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Hexachlorocyclopentadiene	77-47-4	ug/L	10/20/2021										<8
Hexachlorocyclopentadiene	77-47-4	ug/L	5/2/2022				<8						
Hexachlorocyclopentadiene	77-47-4	ug/L	4/23/2025					<10.4					
Hexachlorocyclopentadiene	77-47-4	ug/L	4/25/2025			<10.4					<10.2		
Hexachlorocyclopentadiene	77-47-4	ug/L	5/5/2025									<10.0	
Hexachlorocyclopentadiene	77-47-4	ug/L	5/6/2025	<10.4	<10.4								
Hexachlorocyclopentadiene	77-47-4	ug/L	5/7/2025						<10.6				
Hexachloroethane	67-72-1	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Hexachloroethane	67-72-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Hexachloroethane	67-72-1	ug/L	4/4/2011										<10
Hexachloroethane	67-72-1	ug/L	10/15/2014								<10		
Hexachloroethane	67-72-1	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Hexachloroethane	67-72-1	ug/L	4/4/2016										<10.3
Hexachloroethane	67-72-1	ug/L	4/17/2017				<11						
Hexachloroethane	67-72-1	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Hexachloroethane	67-72-1	ug/L	10/20/2021										<8
Hexachloroethane	67-72-1	ug/L	5/2/2022				<8						
Hexachloroethane	67-72-1	ug/L	4/23/2025					<10.4					
Hexachloroethane	67-72-1	ug/L	4/25/2025			<10.4					<10.2		
Hexachloroethane	67-72-1	ug/L	5/5/2025									<10.0	
Hexachloroethane	67-72-1	ug/L	5/6/2025	<10.4	<10.4								
Hexachloroethane	67-72-1	ug/L	5/7/2025						<10.6				
Hexachloropropene	1888-71-7	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Hexachloropropene	1888-71-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Hexachloropropene	1888-71-7	ug/L	4/4/2011										<10
Hexachloropropene	1888-71-7	ug/L	10/15/2014								<10		
Hexachloropropene	1888-71-7	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Hexachloropropene	1888-71-7	ug/L	4/4/2016										<10.3
Hexachloropropene	1888-71-7	ug/L	4/17/2017				<11						
Hexachloropropene	1888-71-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Hexachloropropene	1888-71-7	ug/L	10/20/2021										<8
Hexachloropropene	1888-71-7	ug/L	5/2/2022				<8						
Hexachloropropene	1888-71-7	ug/L	4/23/2025					<10.4					
Hexachloropropene	1888-71-7	ug/L	4/25/2025			<10.4					<10.2		
Hexachloropropene	1888-71-7	ug/L	5/5/2025									<10.0	
Hexachloropropene	1888-71-7	ug/L	5/6/2025	<10.4	<10.4								
Hexachloropropene	1888-71-7	ug/L	5/7/2025						<10.6				
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	4/4/2011										<10
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	10/15/2014								<10		
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	4/4/2016										<10.3
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	4/17/2017				<11						
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	10/20/2021										<8
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	5/2/2022				<8						
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	4/23/2025					<10.4					
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	4/25/2025			<10.4					<10.2		
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	5/5/2025									<10.0	
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	5/6/2025	<10.4	<10.4								
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	5/7/2025						<10.6				
Iodomethane	74-88-4	ug/L	2/27/2008	<10	<10	<10	<10	<10	<10				
Iodomethane	74-88-4	ug/L	5/12/2008	<10	<10	<10	<10	<10	<10				
Iodomethane	74-88-4	ug/L	7/13/2008	<10	<10	<10	<10	<10	<10				
Iodomethane	74-88-4	ug/L	9/14/2008	<10	<10	<10	<10	<10	<10				
Iodomethane	74-88-4	ug/L	11/17/2008	<10	<10	<10	<10	<10	<10				
Iodomethane	74-88-4	ug/L	4/14/2009	<10	<10	<10	<10	<10	<10				
Iodomethane	74-88-4	ug/L	7/7/2009								<20	<20	
Iodomethane	74-88-4	ug/L	9/2/2009								<10	<10	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Iodomethane	74-88-4	ug/L	10/25/2009	<10	<10	<10	<10	<50	<10		<10	<10	
Iodomethane	74-88-4	ug/L	1/2/2010								<10	<10	
Iodomethane	74-88-4	ug/L	3/3/2010								<10	<10	<10
Iodomethane	74-88-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	<10
Iodomethane	74-88-4	ug/L	7/8/2010										<10
Iodomethane	74-88-4	ug/L	9/13/2010										<20
Iodomethane	74-88-4	ug/L	11/1/2010	<10	<10	<10	<10	<10			<10	<10	
Iodomethane	74-88-4	ug/L	4/4/2011										<10
Iodomethane	74-88-4	ug/L	10/13/2011	<10	<10	<10	<10	<10			<10	<10	<10
Iodomethane	74-88-4	ug/L	12/5/2011						<20				
Iodomethane	74-88-4	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10		<10	<10	<10
Iodomethane	74-88-4	ug/L	6/25/2012						<10				
Iodomethane	74-88-4	ug/L	8/1/2012						<10	<10			
Iodomethane	74-88-4	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	12/13/2012						<10	<10			
Iodomethane	74-88-4	ug/L	2/4/2013						<10	<10			
Iodomethane	74-88-4	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/7/2013	<10	<10		<10	<10	<10	<10	<10		<10
Iodomethane	74-88-4	ug/L	6/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/6/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/5/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/4/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/17/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/17/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/11/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/20/2018						<10				
Iodomethane	74-88-4	ug/L	4/24/2018				<10	<10			<10		
Iodomethane	74-88-4	ug/L	4/25/2018	<10	<10	<10				<10		<10	<10
Iodomethane	74-88-4	ug/L	10/16/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/16/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane	74-88-4	ug/L	10/20/2021						<1				<2
Iodomethane	74-88-4	ug/L	5/2/2022				<2		<1	<1			<1
Iodomethane	74-88-4	ug/L	5/1/2023				<10		<10	<10		<10	<10
Iodomethane	74-88-4	ug/L	10/16/2023						<10				<10
Iodomethane	74-88-4	ug/L	4/29/2024						<10	<10			<10
Iodomethane	74-88-4	ug/L	10/10/2024										<10.0
Iodomethane	74-88-4	ug/L	10/11/2024						<10.0				
Iodomethane	74-88-4	ug/L	4/23/2025					<10.0					
Iodomethane	74-88-4	ug/L	4/25/2025			<10.0					<10.0		
Iodomethane	74-88-4	ug/L	4/28/2025										<10.0
Iodomethane	74-88-4	ug/L	4/30/2025							<10.0			
Iodomethane	74-88-4	ug/L	5/5/2025									<10.0	
Iodomethane	74-88-4	ug/L	5/6/2025	<10.0	<10.0								
Iodomethane	74-88-4	ug/L	5/7/2025						<10.0				
Iron	7439-89-6	mg/L	4/28/2025										207
Iron, Total	7439-89-6	mg/L	4/6/2015	0.526	18.3	36.2	3.8	3.32	0.481	<0.1	5.08	0.754	0.125
Iron, Total	7439-89-6	mg/L	10/5/2015	0.362	16.8	44.4	3.9	2.45	2.61	<0.1	0.855	3.31	0.0703J
Iron, Total	7439-89-6	mg/L	4/4/2016	0.326	13.2	25	3.52	3.07	1.07	0.852	6.49	0.355	<0.1
Iron, Total	7439-89-6	mg/L	10/17/2016	1.02	14.5	28.3	3.68	2.38	0.343	<0.1	5.34	6.3	0.12
Iron, Total	7439-89-6	mg/L	5/2/2022										22.1
Iron, Total	7439-89-6	mg/L	5/1/2023										70.8
Iron, Total	7439-89-6	mg/L	4/29/2024										36.3
Isobutanol	78-83-1	mg/L	4/14/2009	<10	<10	<10	<10	<10	<10				
Isobutanol	78-83-1	mg/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Isobutanol	78-83-1	mg/L	4/4/2011										<10
Isobutanol	78-83-1	mg/L	10/15/2014								<10		
Isobutanol	78-83-1	mg/L	10/5/2015	<10	<10	<10		<10	<10		<10	<10	
Isobutanol	78-83-1	mg/L	4/4/2016										<10

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Isobutanol	78-83-1	mg/L	4/17/2017				<10						
Isobutanol	78-83-1	mg/L	3/30/2020	<10	<10	<10		<10	<10		<10	<10	
Isobutanol	78-83-1	mg/L	10/20/2021										<1
Isobutanol	78-83-1	mg/L	5/2/2022				<1						
Isobutanol	78-83-1	mg/L	4/23/2025					<10.0					
Isobutanol	78-83-1	mg/L	4/25/2025			<10.0					<10.0		
Isobutanol	78-83-1	mg/L	5/5/2025									<10.0	
Isobutanol	78-83-1	mg/L	5/6/2025	<10.0	<10.0								
Isobutanol	78-83-1	mg/L	5/7/2025						<10.0				
Isodrin	465-73-6	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Isodrin	465-73-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Isodrin	465-73-6	ug/L	4/4/2011										<10
Isodrin	465-73-6	ug/L	10/15/2014								<10		
Isodrin	465-73-6	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Isodrin	465-73-6	ug/L	4/4/2016										<10.3
Isodrin	465-73-6	ug/L	4/17/2017				<11						
Isodrin	465-73-6	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Isodrin	465-73-6	ug/L	10/20/2021										<8
Isodrin	465-73-6	ug/L	5/2/2022				<8						
Isodrin	465-73-6	ug/L	4/23/2025					<10.4					
Isodrin	465-73-6	ug/L	4/25/2025			<10.4					<10.2		
Isodrin	465-73-6	ug/L	5/5/2025									<10.0	
Isodrin	465-73-6	ug/L	5/6/2025	<10.4	<10.4								
Isodrin	465-73-6	ug/L	5/7/2025						<10.6				
Isophorone	78-59-1	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Isophorone	78-59-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Isophorone	78-59-1	ug/L	4/4/2011										<10
Isophorone	78-59-1	ug/L	10/15/2014								<10		
Isophorone	78-59-1	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Isophorone	78-59-1	ug/L	4/4/2016										<10.3
Isophorone	78-59-1	ug/L	4/17/2017				<11						
Isophorone	78-59-1	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Isophorone	78-59-1	ug/L	10/20/2021										<8
Isophorone	78-59-1	ug/L	5/2/2022				<8						
Isophorone	78-59-1	ug/L	4/23/2025					<10.4					
Isophorone	78-59-1	ug/L	4/25/2025			<10.4					<10.2		
Isophorone	78-59-1	ug/L	5/5/2025									<10.0	
Isophorone	78-59-1	ug/L	5/6/2025	<10.4	<10.4								
Isophorone	78-59-1	ug/L	5/7/2025						<10.6				
Isosafrole	120-58-1	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Isosafrole	120-58-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Isosafrole	120-58-1	ug/L	4/4/2011										<10
Isosafrole	120-58-1	ug/L	10/15/2014								<10		
Isosafrole	120-58-1	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Isosafrole	120-58-1	ug/L	4/4/2016										<10.3
Isosafrole	120-58-1	ug/L	4/17/2017				<11						
Isosafrole	120-58-1	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Isosafrole	120-58-1	ug/L	10/20/2021										<8
Isosafrole	120-58-1	ug/L	5/2/2022				<8						
Isosafrole	120-58-1	ug/L	4/23/2025					<10.4					
Isosafrole	120-58-1	ug/L	4/25/2025			<10.4					<10.2		
Isosafrole	120-58-1	ug/L	5/5/2025									<10.0	
Isosafrole	120-58-1	ug/L	5/6/2025	<10.4	<10.4								
Isosafrole	120-58-1	ug/L	5/7/2025						<10.6				
Kepone	143-50-0	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Kepone	143-50-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Kepone	143-50-0	ug/L	4/4/2011										<10
Kepone	143-50-0	ug/L	10/15/2014								<10		
Kepone	143-50-0	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Kepone	143-50-0	ug/L	4/4/2016										<10.3
Kepone	143-50-0	ug/L	4/17/2017				<11						
Kepone	143-50-0	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Kepone	143-50-0	ug/L	10/20/2021										<8

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Kepone	143-50-0	ug/L	5/2/2022				<8						
Kepone	143-50-0	ug/L	4/23/2025					<10.4					
Kepone	143-50-0	ug/L	4/25/2025			<10.4					<10.2		
Kepone	143-50-0	ug/L	5/5/2025									<10.0	
Kepone	143-50-0	ug/L	5/6/2025	<10.4	<10.4								
Kepone	143-50-0	ug/L	5/7/2025						<10.6				
Lead	7439-92-1	mg/L	2/27/2008	<0.005	0.011	0.018	<0.005	<0.005	0.018				
Lead	7439-92-1	mg/L	5/12/2008	<0.005	0.041	0.013	<0.005	<0.005	<0.005				
Lead	7439-92-1	mg/L	7/13/2008	0.007	0.017	0.014	<0.005	<0.005	0.011				
Lead	7439-92-1	mg/L	9/14/2008	<0.005	0.018	0.039	<0.005	<0.005	<0.005				
Lead	7439-92-1	mg/L	11/17/2008	0.00892	0.0146	0.0131	<0.004	<0.004	<0.004				
Lead	7439-92-1	mg/L	4/14/2009	<0.005	0.014; 0.015	0.03	<0.005	<0.005	<0.005				
Lead	7439-92-1	mg/L	7/7/2009		0.014	<0.005					<0.005	<0.005	
Lead	7439-92-1	mg/L	9/2/2009		0.021	0.0067					<0.005; <0.004	<0.005	
Lead	7439-92-1	mg/L	10/25/2009	<0.005	0.023	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	
Lead	7439-92-1	mg/L	1/2/2010		0.0057; <0.005	<0.005					<0.005	<0.005	
Lead	7439-92-1	mg/L	3/3/2010								<0.005	<0.005	<0.005
Lead	7439-92-1	mg/L	5/10/2010	<0.002	0.0036	0.063	<0.002	<0.002	<0.002			0.0023	<0.002
Lead	7439-92-1	mg/L	7/8/2010								<0.005	<0.005	<0.005
Lead	7439-92-1	mg/L	9/13/2010								<0.005	<0.005	<0.005
Lead	7439-92-1	mg/L	11/1/2010								<0.005	<0.005	
Lead	7439-92-1	mg/L	1/10/2011								<0.004	<0.004	
Lead	7439-92-1	mg/L	4/4/2011								<0.005	<0.005	<0.004
Lead	7439-92-1	mg/L	7/8/2011										<0.005
Lead	7439-92-1	mg/L	8/11/2011										<0.005
Lead	7439-92-1	mg/L	10/13/2011	<0.004	<0.004	<0.004	<0.004	<0.004			<0.004	0.00912	0.00926
Lead	7439-92-1	mg/L	12/5/2011						<0.004				
Lead	7439-92-1	mg/L	4/11/2012	<0.004	0.00567	<0.004	<0.004	<0.004	0.00574		<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	6/25/2012						<0.004				
Lead	7439-92-1	mg/L	8/1/2012						<0.004	0.0128			
Lead	7439-92-1	mg/L	10/11/2012	<0.004	<0.004	0.0132	<0.004	<0.004	<0.004	<0.004	<0.004	0.00622	0.04
Lead	7439-92-1	mg/L	12/13/2012						<0.004	<0.004			
Lead	7439-92-1	mg/L	3/30/2013	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	10/7/2013	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.00544	<0.004	0.0112
Lead	7439-92-1	mg/L	6/2/2014	0.00219J	<0.004	<0.004	<0.004	<0.004	0.00692	<0.004	0.00141J	<0.004	<0.004
Lead	7439-92-1	mg/L	10/15/2014	<0.004	0.00152J	<0.004	<0.004	<0.004	0.00273J	<0.004	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	4/6/2015	0.000202J	<0.0005	<0.0005		<0.0005	0.000457J	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/5/2015	0.000371J	<0.0005	<0.0005		<0.0005	0.00677	<0.0005	<0.0005	0.00141	<0.0005
Lead	7439-92-1	mg/L	4/4/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00045J	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/17/2016	0.000707	<0.0005	<0.0005	<0.0005	<0.0005	0.000622	<0.0005	<0.0005	0.00181	<0.0005
Lead	7439-92-1	mg/L	4/17/2017	0.000497J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000766	<0.0005
Lead	7439-92-1	mg/L	10/11/2017	<0.0005	<0.0005	0.00114	<0.0005	<0.0005	0.00528	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	4/20/2018						0.000829				
Lead	7439-92-1	mg/L	4/24/2018				0.00135	<0.0005			<0.0005		
Lead	7439-92-1	mg/L	4/25/2018	0.00176	<0.002	0.000418J				<0.0005		<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/16/2018	0.000968	0.000279J; 0.000323J	0.000209J	<0.0005	<0.0005	0.00255	0.00833	<0.0005	0.000331J	0.000375J
Lead	7439-92-1	mg/L	4/16/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000728	0.000334J	<0.0005	0.000842	<0.0005
Lead	7439-92-1	mg/L	10/1/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000704; 0.000591	<0.0005	0.000275J	0.000282J	<0.0005
Lead	7439-92-1	mg/L	3/30/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000547	<0.0005	<0.0005	0.00243	<0.0005
Lead	7439-92-1	mg/L	10/7/2020	0.000347J	<0.0005	<0.0005	<0.0005	<0.0005	0.000388J	0.000517	<0.0005	0.000817; 0.000437J	<0.0005
Lead	7439-92-1	mg/L	4/13/2021	0.0007J	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.0019J	<0.004
Lead	7439-92-1	mg/L	10/20/2021						0.0007J; 0.0018J				<0.004
Lead	7439-92-1	mg/L	5/2/2022	<0.004	<0.004	0.0016J	<0.004	<0.004	0.002J	0.0016J	<0.004	0.0008J	<0.004
Lead	7439-92-1	mg/L	10/14/2022						0.0031J; 0.0019J				<0.004
Lead	7439-92-1	mg/L	5/1/2023	0.000261J	<0.0005	0.000315J	<0.0005	<0.0005	0.000902	0.000999	<0.0005	0.000371J	<0.0005
Lead	7439-92-1	mg/L	10/16/2023						<0.0005; 0.00028J				<0.0005
Lead	7439-92-1	mg/L	4/29/2024	<0.0005	<0.0005	0.00101	<0.0005	<0.0005	0.000441J	<0.0005	<0.0005	<0.0005	0.000295J
Lead	7439-92-1	mg/L	10/10/2024										<0.000500
Lead	7439-92-1	mg/L	10/11/2024						0.000439J				
Lead	7439-92-1	mg/L	4/23/2025					<0.000500					
Lead	7439-92-1	mg/L	4/25/2025			<0.000500					<0.000500		
Lead	7439-92-1	mg/L	4/28/2025										<0.00250
Lead	7439-92-1	mg/L	4/30/2025							<0.000500			

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Lead	7439-92-1	mg/L	5/5/2025									0.000333	
Lead	7439-92-1	mg/L	5/6/2025	<0.000500	<0.000500								
Lead	7439-92-1	mg/L	5/7/2025				<0.000500		0.00163				
Magnesium	7439-95-4	mg/L	6/2/2014	19.2	42.4	67	64.7	56.7	33.9	9.47	70.8	38.1	44.1
Magnesium	7439-95-4	mg/L	10/15/2014	15.7	41.7	78.6	67	66.4	38.3	9.37	81.9	51.8	44.8
Magnesium	7439-95-4	mg/L	3/30/2020								76.6		
Manganese	7439-96-5	mg/L	4/6/2015	1.44	1.35	3.32	3.82	1.15	0.022	0.0174	5.5	0.964	2.05
Manganese	7439-96-5	mg/L	10/5/2015	0.446	1.28	3.21	3.85	1.41	0.511	0.112	2.81	0.939	2.8
Manganese	7439-96-5	mg/L	4/4/2016	0.134	1.13	2.87	3.22	1.22	0.0764	0.0319	11.5	0.799	3.33
Manganese	7439-96-5	mg/L	10/17/2016	0.389	1.18	2.44	3.98	1.47	0.0481	0.0604	4.81	0.754	3.55
Manganese	7439-96-5	mg/L	5/2/2022										13.1
Manganese	7439-96-5	mg/L	5/1/2023										11.8
Manganese	7439-96-5	mg/L	4/29/2024										10.2
Manganese	7439-96-5	mg/L	4/28/2025										43.4
Mercury	7439-97-6	mg/L	4/14/2009	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002				
Mercury	7439-97-6	mg/L	5/10/2010	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	
Mercury	7439-97-6	mg/L	4/4/2011										<0.0002
Mercury	7439-97-6	mg/L	10/15/2014								<0.0002		
Mercury	7439-97-6	mg/L	10/5/2015	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002		<0.0002	<0.0002	
Mercury	7439-97-6	mg/L	4/4/2016										<0.0002
Mercury	7439-97-6	mg/L	4/17/2017				<0.0002						
Mercury	7439-97-6	mg/L	3/30/2020	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002		<0.0002	<0.0002	
Mercury	7439-97-6	mg/L	10/20/2021										<0.0005
Mercury	7439-97-6	mg/L	5/2/2022				<0.0005						
Mercury	7439-97-6	mg/L	4/23/2025					<0.000200					
Mercury	7439-97-6	mg/L	4/25/2025			<0.000200					<0.000200		
Mercury	7439-97-6	mg/L	5/5/2025									<0.000200	
Mercury	7439-97-6	mg/L	5/6/2025	<0.000200	<0.000200								
Mercury	7439-97-6	mg/L	5/7/2025						<0.000200				
Methacrylonitrile	126-98-7	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
Methacrylonitrile	126-98-7	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	
Methacrylonitrile	126-98-7	ug/L	4/4/2011										<1
Methacrylonitrile	126-98-7	ug/L	10/15/2014								<10		
Methacrylonitrile	126-98-7	ug/L	10/5/2015	<10	<10	<10		<10	<10		<10	<10	
Methacrylonitrile	126-98-7	ug/L	4/4/2016										<10
Methacrylonitrile	126-98-7	ug/L	4/17/2017				<10						
Methacrylonitrile	126-98-7	ug/L	3/30/2020	<10	<10	<10		<10	<10		<10	<10	
Methacrylonitrile	126-98-7	ug/L	10/20/2021										<1
Methacrylonitrile	126-98-7	ug/L	5/2/2022				<1						
Methacrylonitrile	126-98-7	ug/L	4/23/2025					<10.0					
Methacrylonitrile	126-98-7	ug/L	4/25/2025			<10.0					<10.0		
Methacrylonitrile	126-98-7	ug/L	5/5/2025									<10.0	
Methacrylonitrile	126-98-7	ug/L	5/6/2025	<10.0	<10.0								
Methacrylonitrile	126-98-7	ug/L	5/7/2025						<10.0				
Methane, Dissolved	74-82-8	mg/L	4/6/2015	0.0091	1.71	33.7	0.0339	0.0188	0.00746	0.00338J	0.593	0.0074	0.00769
Methane, Dissolved	74-82-8	mg/L	10/5/2015	0.0304	1.7	1.82	0.0395	0.0328	0.00931	0.00554	0.00209	0.00568	0.00603
Methane, Dissolved	74-82-8	mg/L	4/4/2016	0.00188	1.86	4.61	0.0344	0.00599	0.00722	<0.00058	1.74	0.00635	0.0094
Methane, Dissolved	74-82-8	mg/L	10/17/2016	0.0642	0.000414J	1.82	0.0235	0.0146	0.0031	<0.00058	0.167	0.00504	0.00315
Methapyrilene	91-80-5	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Methapyrilene	91-80-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Methapyrilene	91-80-5	ug/L	4/4/2011										<10
Methapyrilene	91-80-5	ug/L	10/15/2014								<10		
Methapyrilene	91-80-5	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Methapyrilene	91-80-5	ug/L	4/4/2016										<10.3
Methapyrilene	91-80-5	ug/L	4/17/2017				<11						
Methapyrilene	91-80-5	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Methapyrilene	91-80-5	ug/L	10/20/2021										<8
Methapyrilene	91-80-5	ug/L	5/2/2022				<8						
Methapyrilene	91-80-5	ug/L	4/23/2025					<10.4					
Methapyrilene	91-80-5	ug/L	4/25/2025			<10.4					<10.2		
Methapyrilene	91-80-5	ug/L	5/5/2025									<10.0	
Methapyrilene	91-80-5	ug/L	5/6/2025	<10.4	<10.4								
Methapyrilene	91-80-5	ug/L	5/7/2025						<10.6				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Methoxychlor	72-43-5	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032				
Methoxychlor	72-43-5	ug/L	7/7/2009		<0.032	<0.032							
Methoxychlor	72-43-5	ug/L	9/2/2009			<0.032							
Methoxychlor	72-43-5	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032			<0.032	
Methoxychlor	72-43-5	ug/L	4/4/2011										<0.032
Methoxychlor	72-43-5	ug/L	10/15/2014								0.0238J		
Methoxychlor	72-43-5	ug/L	10/5/2015	<0.033	<0.032	<0.032		<0.0323	<0.0327		<0.0381	<0.032	
Methoxychlor	72-43-5	ug/L	4/4/2016										0.00295J
Methoxychlor	72-43-5	ug/L	4/17/2017				<0.0337						
Methoxychlor	72-43-5	ug/L	3/30/2020	<0.0337	<0.0333	<0.0333		<0.034	<0.033		<0.0337	<0.0337	
Methoxychlor	72-43-5	ug/L	10/20/2021										<0.05
Methoxychlor	72-43-5	ug/L	5/2/2022				<0.05						
Methoxychlor	72-43-5	ug/L	4/23/2025					<0.0904					
Methoxychlor	72-43-5	ug/L	4/25/2025			<0.0921					<0.0902		
Methoxychlor	72-43-5	ug/L	5/5/2025									<0.0904	
Methoxychlor	72-43-5	ug/L	5/6/2025	<0.0900	<0.0916								
Methoxychlor	72-43-5	ug/L	5/7/2025						<0.0897				
Methyl Methacrylate	80-62-6	ug/L	4/14/2009	<2	<2	<2	<2	<2	<2				
Methyl Methacrylate	80-62-6	ug/L	5/10/2010	<5	<5	<5	<5	<5	<5			<5	
Methyl Methacrylate	80-62-6	ug/L	4/4/2011										<2
Methyl Methacrylate	80-62-6	ug/L	10/15/2014								<2		
Methyl Methacrylate	80-62-6	ug/L	10/5/2015	<2	<2	<2		<2	<2		<2	<2	
Methyl Methacrylate	80-62-6	ug/L	4/4/2016										<2
Methyl Methacrylate	80-62-6	ug/L	4/17/2017				<2						
Methyl Methacrylate	80-62-6	ug/L	3/30/2020	<2	<2	<2		<2	<2		<2	<2	
Methyl Methacrylate	80-62-6	ug/L	10/20/2021										<1
Methyl Methacrylate	80-62-6	ug/L	5/2/2022				<1						
Methyl Methanesulfonate	66-27-3	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Methyl Methanesulfonate	66-27-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Methyl Methanesulfonate	66-27-3	ug/L	4/4/2011										<10
Methyl Methanesulfonate	66-27-3	ug/L	10/15/2014								<10		
Methyl Methanesulfonate	66-27-3	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Methyl Methanesulfonate	66-27-3	ug/L	4/4/2016										<10.3
Methyl Methanesulfonate	66-27-3	ug/L	4/17/2017				<11						
Methyl Methanesulfonate	66-27-3	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Methyl Methanesulfonate	66-27-3	ug/L	10/20/2021										<8
Methyl Methanesulfonate	66-27-3	ug/L	5/2/2022				<8						
Methyl methacrylate	80-62-6	ug/L	4/23/2025					<2.00					
Methyl methacrylate	80-62-6	ug/L	4/25/2025			<2.00					<2.00		
Methyl methacrylate	80-62-6	ug/L	5/5/2025									<2.00	
Methyl methacrylate	80-62-6	ug/L	5/6/2025	<2.00	<2.00								
Methyl methacrylate	80-62-6	ug/L	5/7/2025						<2.00				
Methyl methanesulfonate	66-27-3	ug/L	4/23/2025					<10.4					
Methyl methanesulfonate	66-27-3	ug/L	4/25/2025			<10.4					<10.2		
Methyl methanesulfonate	66-27-3	ug/L	5/5/2025									<10.0	
Methyl methanesulfonate	66-27-3	ug/L	5/6/2025	<10.4	<10.4								
Methyl methanesulfonate	66-27-3	ug/L	5/7/2025						<10.6				
Methyl parathion	298-00-0	ug/L	4/23/2025					<10.4					
Methyl parathion	298-00-0	ug/L	4/25/2025			<10.4					<10.2		
Methyl parathion	298-00-0	ug/L	5/5/2025									<10.0	
Methyl parathion	298-00-0	ug/L	5/6/2025	<10.4	<10.4								
Methyl parathion	298-00-0	ug/L	5/7/2025						<10.6				
Methylene Chloride	75-09-2	ug/L	2/27/2008	<5	<5	<5	<5	<5	<5				
Methylene Chloride	75-09-2	ug/L	5/12/2008	<5	<5	<5	<5	<5	<5				
Methylene Chloride	75-09-2	ug/L	7/13/2008	<5	<5	<5	<5	<5	<5				
Methylene Chloride	75-09-2	ug/L	9/14/2008	<5	<5	<5	<5	<5	<5				
Methylene Chloride	75-09-2	ug/L	11/17/2008	<5	<5	<5	<5	<5	<5				
Methylene Chloride	75-09-2	ug/L	4/14/2009	<5	<5	<5	<5	<5	<5				
Methylene Chloride	75-09-2	ug/L	7/7/2009								<5	<5	
Methylene Chloride	75-09-2	ug/L	9/2/2009								<5	<5	
Methylene Chloride	75-09-2	ug/L	10/25/2009	<5	<5	<5	<5	<5	<5		<5	<5	
Methylene Chloride	75-09-2	ug/L	1/2/2010								<5	<5	
Methylene Chloride	75-09-2	ug/L	3/3/2010								<5	<5	<5

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Methylene Chloride	75-09-2	ug/L	5/10/2010	<5	<5	<5	<5	<5	<5			<5	<5
Methylene Chloride	75-09-2	ug/L	7/8/2010										<5
Methylene Chloride	75-09-2	ug/L	9/13/2010										<5
Methylene Chloride	75-09-2	ug/L	11/1/2010	<5	<5	<5	<5	<5			<5	<5	
Methylene Chloride	75-09-2	ug/L	4/4/2011										<5
Methylene Chloride	75-09-2	ug/L	10/13/2011	<5	<5	<5	<5	<5			<5	<5	<5
Methylene Chloride	75-09-2	ug/L	12/5/2011						<5				
Methylene Chloride	75-09-2	ug/L	4/11/2012	<5	<5	<5	<5	<5	<5		<5	<5	<5
Methylene Chloride	75-09-2	ug/L	6/25/2012						<5				
Methylene Chloride	75-09-2	ug/L	8/1/2012						<5	<5			
Methylene Chloride	75-09-2	ug/L	10/11/2012	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	12/13/2012						<5	<5			
Methylene Chloride	75-09-2	ug/L	2/4/2013						<5	<5			
Methylene Chloride	75-09-2	ug/L	3/30/2013	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/7/2013	<5	<5		<5	<5	<5	<5	<5		<5
Methylene Chloride	75-09-2	ug/L	6/2/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	4/6/2015	<5	<5	<5		<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/5/2015	0.713J	0.664J	0.725J		0.564J	0.356J	<5	<5	0.599J	<5
Methylene Chloride	75-09-2	ug/L	4/4/2016	<5	<5	<5	<5	<5	<5	0.183J	<5	<5; 0.277J	<5
Methylene Chloride	75-09-2	ug/L	10/17/2016	0.34J	0.73J	0.402J	0.602J	0.403J; 0.587J	0.369J	0.6J	0.21J	0.473J	0.582J
Methylene Chloride	75-09-2	ug/L	4/17/2017	0.25J	0.323J; 0.345J	0.446J	0.525J	0.59J	0.567J	0.26J	0.43J	<5	<5
Methylene Chloride	75-09-2	ug/L	10/11/2017	<5	<5; 0.181J	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	4/20/2018						0.489J				
Methylene Chloride	75-09-2	ug/L	4/24/2018				0.365J	0.584J			0.39J		
Methylene Chloride	75-09-2	ug/L	4/25/2018	0.455J	0.5J	0.287J				0.395J		0.46J	0.238J; 0.301J
Methylene Chloride	75-09-2	ug/L	10/16/2018	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	4/16/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/20/2021						<5				<5
Methylene Chloride	75-09-2	ug/L	5/2/2022				<5		<5	<5			<5
Methylene Chloride	75-09-2	ug/L	10/14/2022						<5				<5
Methylene Chloride	75-09-2	ug/L	5/1/2023				<5		<5	<5		<5	<5
Methylene Chloride	75-09-2	ug/L	10/16/2023						<5				<5
Methylene Chloride	75-09-2	ug/L	4/29/2024						<5	<5			<5
Methylene Chloride	75-09-2	ug/L	10/10/2024										<5.00
Methylene Chloride	75-09-2	ug/L	10/11/2024						<5.00				
Methylene Chloride	75-09-2	ug/L	4/23/2025					<5.00					
Methylene Chloride	75-09-2	ug/L	4/25/2025			<5.00					<5.00		
Methylene Chloride	75-09-2	ug/L	4/28/2025										<5.00
Methylene Chloride	75-09-2	ug/L	4/30/2025							<5.00			
Methylene Chloride	75-09-2	ug/L	5/5/2025									<5.00	
Methylene Chloride	75-09-2	ug/L	5/6/2025	<5.00	<5.00								
Methylene Chloride	75-09-2	ug/L	5/7/2025						<5.00				
Methylphenol, 3 & 4	106-44-5	ug/L	4/23/2025					<10.4					
Methylphenol, 3 & 4	106-44-5	ug/L	4/25/2025			<10.4					<10.2		
Methylphenol, 3 & 4	106-44-5	ug/L	5/5/2025									<10.0	
Methylphenol, 3 & 4	106-44-5	ug/L	5/6/2025	<10.4	<10.4								
Methylphenol, 3 & 4	106-44-5	ug/L	5/7/2025						<10.6				
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/4/2011										<10
N-Nitrosodi-n-butylamine	924-16-3	ug/L	10/15/2014								<10		
N-Nitrosodi-n-butylamine	924-16-3	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/4/2016										<10.3
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/17/2017				<11						
N-Nitrosodi-n-butylamine	924-16-3	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
N-Nitrosodi-n-butylamine	924-16-3	ug/L	10/20/2021										<8
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/2/2022				<8						
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/23/2025					<10.4					

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/25/2025			<10.4					<10.2		
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/5/2025									<10.0	
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/6/2025	<10.4	<10.4								
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/7/2025						<10.6				
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/4/2011										<10
N-Nitrosodi-n-propylamine	621-64-7	ug/L	10/15/2014								<10		
N-Nitrosodi-n-propylamine	621-64-7	ug/L	10/5/2015	7.78J	<10	<10		<10.3	<10.8		<10.9	<10	
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/4/2016										<10.3
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/17/2017				<11						
N-Nitrosodi-n-propylamine	621-64-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
N-Nitrosodi-n-propylamine	621-64-7	ug/L	10/20/2021										<8
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/2/2022				<8						
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/23/2025					<10.4					
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/25/2025			<10.4					<10.2		
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/5/2025									<10.0	
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/6/2025	<10.4	<10.4								
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/7/2025						<10.6				
N-Nitrosodiethylamine	55-18-5	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
N-Nitrosodiethylamine	55-18-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
N-Nitrosodiethylamine	55-18-5	ug/L	4/4/2011										<10
N-Nitrosodiethylamine	55-18-5	ug/L	10/15/2014								<10		
N-Nitrosodiethylamine	55-18-5	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
N-Nitrosodiethylamine	55-18-5	ug/L	4/4/2016										<10.3
N-Nitrosodiethylamine	55-18-5	ug/L	4/17/2017				<11						
N-Nitrosodiethylamine	55-18-5	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
N-Nitrosodiethylamine	55-18-5	ug/L	10/20/2021										<8
N-Nitrosodiethylamine	55-18-5	ug/L	5/2/2022				<8						
N-Nitrosodiethylamine	55-18-5	ug/L	4/23/2025					<10.4					
N-Nitrosodiethylamine	55-18-5	ug/L	4/25/2025			<10.4					<10.2		
N-Nitrosodiethylamine	55-18-5	ug/L	5/5/2025									<10.0	
N-Nitrosodiethylamine	55-18-5	ug/L	5/6/2025	<10.4	<10.4								
N-Nitrosodiethylamine	55-18-5	ug/L	5/7/2025						<10.6				
N-Nitrosodimethylamine	62-75-9	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
N-Nitrosodimethylamine	62-75-9	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
N-Nitrosodimethylamine	62-75-9	ug/L	4/4/2011										<10
N-Nitrosodimethylamine	62-75-9	ug/L	10/15/2014								<10		
N-Nitrosodimethylamine	62-75-9	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
N-Nitrosodimethylamine	62-75-9	ug/L	4/4/2016										<10.3
N-Nitrosodimethylamine	62-75-9	ug/L	4/17/2017				<11						
N-Nitrosodimethylamine	62-75-9	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
N-Nitrosodimethylamine	62-75-9	ug/L	10/20/2021										<8
N-Nitrosodimethylamine	62-75-9	ug/L	5/2/2022				<8						
N-Nitrosodimethylamine	62-75-9	ug/L	4/23/2025					<10.4					
N-Nitrosodimethylamine	62-75-9	ug/L	4/25/2025			<10.4					<10.2		
N-Nitrosodimethylamine	62-75-9	ug/L	5/5/2025									<10.0	
N-Nitrosodimethylamine	62-75-9	ug/L	5/6/2025	<10.4	<10.4								
N-Nitrosodimethylamine	62-75-9	ug/L	5/7/2025						<10.6				
N-Nitrosodiphenylamine	86-30-6	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
N-Nitrosodiphenylamine	86-30-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
N-Nitrosodiphenylamine	86-30-6	ug/L	4/4/2011										<10
N-Nitrosodiphenylamine	86-30-6	ug/L	10/15/2014								<10		
N-Nitrosodiphenylamine	86-30-6	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
N-Nitrosodiphenylamine	86-30-6	ug/L	4/4/2016										<10.3
N-Nitrosodiphenylamine	86-30-6	ug/L	4/17/2017				<11						
N-Nitrosodiphenylamine	86-30-6	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
N-Nitrosodiphenylamine	86-30-6	ug/L	10/20/2021										<8
N-Nitrosodiphenylamine	86-30-6	ug/L	5/2/2022				<8						
N-Nitrosodiphenylamine	86-30-6	ug/L	4/23/2025					<10.4					
N-Nitrosodiphenylamine	86-30-6	ug/L	4/25/2025			<10.4					<10.2		
N-Nitrosodiphenylamine	86-30-6	ug/L	5/5/2025									<10.0	
N-Nitrosodiphenylamine	86-30-6	ug/L	5/6/2025	<10.4	<10.4								

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
N-Nitrosodiphenylamine	86-30-6	ug/L	5/7/2025						<10.6				
N-Nitrosomethylethalamine	10595-95-6	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
N-Nitrosomethylethalamine	10595-95-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
N-Nitrosomethylethalamine	10595-95-6	ug/L	4/4/2011										<10
N-Nitrosomethylethalamine	10595-95-6	ug/L	10/15/2014								<10		
N-Nitrosomethylethalamine	10595-95-6	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
N-Nitrosomethylethalamine	10595-95-6	ug/L	4/4/2016										<10.3
N-Nitrosomethylethalamine	10595-95-6	ug/L	4/17/2017				<11						
N-Nitrosomethylethalamine	10595-95-6	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
N-Nitrosomethylethalamine	10595-95-6	ug/L	10/20/2021										<8
N-Nitrosomethylethalamine	10595-95-6	ug/L	5/2/2022				<8						
N-Nitrosomethylethylamine	10595-95-6	ug/L	4/23/2025					<10.4					
N-Nitrosomethylethylamine	10595-95-6	ug/L	4/25/2025			<10.4					<10.2		
N-Nitrosomethylethylamine	10595-95-6	ug/L	5/5/2025									<10.0	
N-Nitrosomethylethylamine	10595-95-6	ug/L	5/6/2025	<10.4	<10.4								
N-Nitrosomethylethylamine	10595-95-6	ug/L	5/7/2025						<10.6				
N-Nitrosopiperidine	100-75-4	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
N-Nitrosopiperidine	100-75-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
N-Nitrosopiperidine	100-75-4	ug/L	4/4/2011										<10
N-Nitrosopiperidine	100-75-4	ug/L	10/15/2014								<10		
N-Nitrosopiperidine	100-75-4	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
N-Nitrosopiperidine	100-75-4	ug/L	4/4/2016										<10.3
N-Nitrosopiperidine	100-75-4	ug/L	4/17/2017				<11						
N-Nitrosopiperidine	100-75-4	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
N-Nitrosopiperidine	100-75-4	ug/L	10/20/2021										<8
N-Nitrosopiperidine	100-75-4	ug/L	5/2/2022				<8						
N-Nitrosopiperidine	100-75-4	ug/L	4/23/2025					<10.4					
N-Nitrosopiperidine	100-75-4	ug/L	4/25/2025			<10.4					<10.2		
N-Nitrosopiperidine	100-75-4	ug/L	5/5/2025									<10.0	
N-Nitrosopiperidine	100-75-4	ug/L	5/6/2025	<10.4	<10.4								
N-Nitrosopiperidine	100-75-4	ug/L	5/7/2025						<10.6				
N-Nitrosopyrrolidine	930-55-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
N-Nitrosopyrrolidine	930-55-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
N-Nitrosopyrrolidine	930-55-2	ug/L	4/4/2011										<10
N-Nitrosopyrrolidine	930-55-2	ug/L	10/15/2014								<10		
N-Nitrosopyrrolidine	930-55-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
N-Nitrosopyrrolidine	930-55-2	ug/L	4/4/2016										<10.3
N-Nitrosopyrrolidine	930-55-2	ug/L	4/17/2017				<11						
N-Nitrosopyrrolidine	930-55-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
N-Nitrosopyrrolidine	930-55-2	ug/L	10/20/2021										<8
N-Nitrosopyrrolidine	930-55-2	ug/L	5/2/2022				<8						
N-Nitrosopyrrolidine	930-55-2	ug/L	4/23/2025					<10.4					
N-Nitrosopyrrolidine	930-55-2	ug/L	4/25/2025			<10.4					<10.2		
N-Nitrosopyrrolidine	930-55-2	ug/L	5/5/2025									<10.0	
N-Nitrosopyrrolidine	930-55-2	ug/L	5/6/2025	<10.4	<10.4								
N-Nitrosopyrrolidine	930-55-2	ug/L	5/7/2025						<10.6				
Naphthalene	91-20-3	ug/L	4/14/2009	<5	<5	<5	<5	<5	<5				
Naphthalene	91-20-3	ug/L	5/10/2010	<5	<5	<5	<5	<5	<5			<5	
Naphthalene	91-20-3	ug/L	4/4/2011										<5
Naphthalene	91-20-3	ug/L	10/15/2014								<5		
Naphthalene	91-20-3	ug/L	10/5/2015	<5	<5	<5		<5	<5		<5	<5	
Naphthalene	91-20-3	ug/L	4/4/2016										<5
Naphthalene	91-20-3	ug/L	4/17/2017				<5						
Naphthalene	91-20-3	ug/L	3/30/2020	<5	<5	<5		<5	<5		<5	<5	
Naphthalene	91-20-3	ug/L	10/20/2021										<8
Naphthalene	91-20-3	ug/L	5/2/2022				<8						
Naphthalene	91-20-3	ug/L	4/23/2025					<5.00					
Naphthalene	91-20-3	ug/L	4/25/2025			<5.00					<5.00		
Naphthalene	91-20-3	ug/L	5/5/2025									<5.00	
Naphthalene	91-20-3	ug/L	5/6/2025	<5.00	<5.00								
Naphthalene	91-20-3	ug/L	5/7/2025						<5.00				
Nickel	7440-02-0	mg/L	2/27/2008	<0.01	0.019	0.027	0.015	<0.01	0.038				
Nickel	7440-02-0	mg/L	5/12/2008	<0.01	0.058	0.027	0.014	0.011	<0.01				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Nickel	7440-02-0	mg/L	7/13/2008	<0.01	0.025	0.022	0.012	<0.01	0.023				
Nickel	7440-02-0	mg/L	9/14/2008	<0.01	0.029	0.046	0.012	<0.01	<0.01				
Nickel	7440-02-0	mg/L	11/17/2008	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05				
Nickel	7440-02-0	mg/L	4/14/2009	<0.01	0.024; 0.023	0.046	0.013	0.042	<0.01				
Nickel	7440-02-0	mg/L	7/7/2009		0.018; 0.02	0.01	0.012	<0.01			0.02	0.021	
Nickel	7440-02-0	mg/L	9/2/2009		0.032; 0.033	0.018	0.016	0.012			0.022	0.02	
Nickel	7440-02-0	mg/L	10/25/2009	<0.01	0.034	0.013	0.013	0.011	<0.01		0.019	0.023	
Nickel	7440-02-0	mg/L	1/2/2010		<0.01; 0.011	<0.01	0.014	0.011; 0.013			0.024	0.019	
Nickel	7440-02-0	mg/L	3/3/2010								0.024	0.019	0.045
Nickel	7440-02-0	mg/L	5/10/2010	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05
Nickel	7440-02-0	mg/L	7/8/2010										0.045
Nickel	7440-02-0	mg/L	9/13/2010										0.037
Nickel	7440-02-0	mg/L	11/1/2010								0.013	0.016	
Nickel	7440-02-0	mg/L	4/4/2011								<0.01	<0.01	0.0522
Nickel	7440-02-0	mg/L	7/8/2011										0.035
Nickel	7440-02-0	mg/L	8/11/2011										0.067
Nickel	7440-02-0	mg/L	10/13/2011	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	<0.05
Nickel	7440-02-0	mg/L	12/5/2011						<0.05				<0.05
Nickel	7440-02-0	mg/L	4/11/2012	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05
Nickel	7440-02-0	mg/L	6/25/2012						<0.05				
Nickel	7440-02-0	mg/L	8/1/2012						<0.05	<0.05			
Nickel	7440-02-0	mg/L	10/11/2012	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.136
Nickel	7440-02-0	mg/L	12/13/2012						<0.05	<0.05			
Nickel	7440-02-0	mg/L	3/30/2013	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel	7440-02-0	mg/L	10/7/2013	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0648
Nickel	7440-02-0	mg/L	6/2/2014	<0.05	<0.05	0.0106J	0.0162J	<0.05	0.0199J	<0.05	0.0207J	0.0112J	0.028J
Nickel	7440-02-0	mg/L	10/15/2014	<0.05	0.0138J	0.024J	0.0218J	0.0192J	0.0222J	0.0079J	0.037J	0.026J	0.0386J
Nickel	7440-02-0	mg/L	4/6/2015	0.006	0.0018J	0.00928		0.0105	0.00108J	0.00195J	0.0238	0.0173	0.0282
Nickel	7440-02-0	mg/L	10/5/2015	0.00764	0.00174J	0.00885		0.00884	0.0148	0.00343J	0.0243	0.0178	0.0317; 0.0319
Nickel	7440-02-0	mg/L	4/4/2016	0.00261J	0.00191J	0.00445J	0.00926	0.0085	<0.005	0.00234J	0.03	0.017; 0.0178	0.0329
Nickel	7440-02-0	mg/L	10/17/2016	0.00454J	0.00227J	0.00398J	0.00986	0.00712; 0.00688	0.00159J	0.00301J	0.0234	0.0166	0.0345
Nickel	7440-02-0	mg/L	4/17/2017	0.002J	<0.005; 0.00125J	0.00298J	0.0109	0.0106	<0.005	0.00309J	0.00813	0.0198	0.0328
Nickel	7440-02-0	mg/L	10/11/2017	0.00366J	0.00136J; 0.00163J	0.00535	0.0126	0.00725	0.0126	0.00457J	0.0222	0.0148	0.04
Nickel	7440-02-0	mg/L	4/20/2018						0.00164J				
Nickel	7440-02-0	mg/L	4/24/2018				0.00966	0.00587			0.0262		
Nickel	7440-02-0	mg/L	4/25/2018	0.00277J	<0.02	0.00432J				0.00269J		0.0135	0.0397; 0.0446
Nickel	7440-02-0	mg/L	10/16/2018	0.00211	0.00243; 0.00225	0.00336	0.0142	0.00693	0.00482	0.0165	0.0256	0.0146	0.059
Nickel	7440-02-0	mg/L	4/16/2019	<0.005	<0.005	0.00198J	0.0059	0.01	<0.005	0.00269J	0.0273	0.0169	0.0706
Nickel	7440-02-0	mg/L	10/1/2019	0.00259J	<0.005	0.00354J	0.0139	0.00885	<0.005	0.00493J	0.0236	0.0193	0.0735
Nickel	7440-02-0	mg/L	3/30/2020	<0.005	<0.005	<0.005	0.005	0.00726	<0.005	0.00498J	0.0215	0.022	0.0632; 0.0691
Nickel	7440-02-0	mg/L	10/7/2020	0.00301J	<0.005	0.00192J	0.0138	0.00764	<0.005	0.0106	0.00916	0.0182	0.0642
Nickel	7440-02-0	mg/L	4/13/2021	0.0011J	0.0008J	0.0012J	0.0053	0.0096	0.0015J	0.0032J	0.0086	0.0156	0.0735
Nickel	7440-02-0	mg/L	10/20/2021						0.0025J; 0.0055				0.0847
Nickel	7440-02-0	mg/L	5/2/2022	0.0013J	<0.004	0.0054	0.0075	0.0083	0.0036J	0.0161	0.0021J	0.016	0.0661
Nickel	7440-02-0	mg/L	10/14/2022						0.0077; 0.0048				0.0839
Nickel	7440-02-0	mg/L	5/1/2023	<0.005	<0.005	0.00211J	0.00614	0.00665	0.00309J	0.00304J	<0.005	0.0142	0.0353
Nickel	7440-02-0	mg/L	10/16/2023						0.00233J; 0.00212J				0.0492
Nickel	7440-02-0	mg/L	4/29/2024	<0.005	<0.005	0.0106	0.00299J	0.00346J	<0.005	0.00239J	<0.005	0.00938; 0.00964	0.0674
Nickel	7440-02-0	mg/L	10/10/2024										0.0470
Nickel	7440-02-0	mg/L	10/11/2024						<0.00500				
Nickel	7440-02-0	mg/L	4/23/2025					0.00546					
Nickel	7440-02-0	mg/L	4/25/2025			<0.00500					<0.00500		
Nickel	7440-02-0	mg/L	4/28/2025										0.195
Nickel	7440-02-0	mg/L	4/30/2025							<0.00500			
Nickel	7440-02-0	mg/L	5/5/2025									0.0115	
Nickel	7440-02-0	mg/L	5/6/2025	0.00615	<0.00500								
Nickel	7440-02-0	mg/L	5/7/2025				0.00461		0.00338				
Nitrate (NO3)	14797-55-8	mg/L	4/6/2015	0.0863J	<0.1	<0.1	<0.1	<0.1	<0.1	0.192	<0.1	<0.1	<0.1
Nitrate (NO3)	14797-55-8	mg/L	10/5/2015	0.0984J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrate (NO3)	14797-55-8	mg/L	4/4/2016	<0.1	<0.1	1.2	<0.1	<0.1	<0.1	0.299	1.51	<0.1	0.0969J
Nitrate (NO3)	14797-55-8	mg/L	10/17/2016	<0.1	0.453	0.11	0.307	<0.1	<0.1	0.367	<0.1	<0.1	<0.1
Nitrate (NO3)	14797-55-8	mg/L	5/2/2022										0.4
Nitrate (NO3)	14797-55-8	mg/L	5/1/2023										<0.2

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Nitrate (NO3)	14797-55-8	mg/L	4/29/2024										<0.2
Nitrate as N	14797-55-8	mg/L	4/28/2025										<0.200
Nitrobenzene	98-95-3	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Nitrobenzene	98-95-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Nitrobenzene	98-95-3	ug/L	4/4/2011										<10
Nitrobenzene	98-95-3	ug/L	10/15/2014								<10		
Nitrobenzene	98-95-3	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Nitrobenzene	98-95-3	ug/L	4/4/2016										<10.3
Nitrobenzene	98-95-3	ug/L	4/17/2017				<11						
Nitrobenzene	98-95-3	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Nitrobenzene	98-95-3	ug/L	10/20/2021										<8
Nitrobenzene	98-95-3	ug/L	5/2/2022				<8						
Nitrobenzene	98-95-3	ug/L	4/23/2025					<10.4					
Nitrobenzene	98-95-3	ug/L	4/25/2025			<10.4					<10.2		
Nitrobenzene	98-95-3	ug/L	5/5/2025									<10.0	
Nitrobenzene	98-95-3	ug/L	5/6/2025	<10.4	<10.4								
Nitrobenzene	98-95-3	ug/L	5/7/2025						<10.6				
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	4/14/2009	<30	<30	<30	<30	<60	<30				
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	4/4/2011										<10
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	10/15/2014								<10		
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	4/4/2016										<10.3
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	4/17/2017				<11						
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	10/20/2021										<0.4
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	5/2/2022				<0.4						
O-Toluidine	95-53-4	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
O-Toluidine	95-53-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
O-Toluidine	95-53-4	ug/L	4/4/2011										<10
O-Toluidine	95-53-4	ug/L	10/15/2014								<10		
O-Toluidine	95-53-4	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
O-Toluidine	95-53-4	ug/L	4/4/2016										<10.3
O-Toluidine	95-53-4	ug/L	4/17/2017				<11						
O-Toluidine	95-53-4	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
O-Toluidine	95-53-4	ug/L	10/20/2021										<8
O-Toluidine	95-53-4	ug/L	5/2/2022				<8						
PCB-1016	12674-11-2	ug/L	4/14/2009	<0.92	<0.8	<0.8	<0.8	<0.8	<0.8				
PCB-1016	12674-11-2	ug/L	5/10/2010	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	
PCB-1016	12674-11-2	ug/L	4/4/2011										<0.8
PCB-1016	12674-11-2	ug/L	10/15/2014								<0.8		
PCB-1016	12674-11-2	ug/L	10/5/2015	<0.808	<0.8	<0.8		<0.808	<0.8			<0.8	
PCB-1016	12674-11-2	ug/L	4/4/2016								<0.8		<0.825
PCB-1016	12674-11-2	ug/L	4/17/2017				<0.851						
PCB-1016	12674-11-2	ug/L	3/30/2020	<0.842	<0.833	<0.833		<0.851	<0.825		<0.842	<0.842	
PCB-1016	12674-11-2	ug/L	10/20/2021										<0.1
PCB-1016	12674-11-2	ug/L	5/2/2022				<0.1						
PCB-1016	12674-11-2	ug/L	4/23/2025					<1.81					
PCB-1016	12674-11-2	ug/L	4/25/2025			<1.84					<1.80		
PCB-1016	12674-11-2	ug/L	5/5/2025									<1.81	
PCB-1016	12674-11-2	ug/L	5/6/2025	<1.80	<1.83								
PCB-1016	12674-11-2	ug/L	5/7/2025						<1.79				
PCB-1221	11104-28-2	ug/L	4/14/2009	<0.92	<0.8	<0.8	<0.8	<0.8	<0.8				
PCB-1221	11104-28-2	ug/L	5/10/2010	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	
PCB-1221	11104-28-2	ug/L	4/4/2011										<0.8
PCB-1221	11104-28-2	ug/L	10/15/2014								<0.8		
PCB-1221	11104-28-2	ug/L	10/5/2015	<0.808	<0.8	<0.8		<0.808	<0.8			<0.8	
PCB-1221	11104-28-2	ug/L	4/4/2016								<0.8		<0.825
PCB-1221	11104-28-2	ug/L	4/17/2017				<0.851						
PCB-1221	11104-28-2	ug/L	3/30/2020	<0.842	<0.833	<0.833		<0.851	<0.825		<0.842	<0.842	
PCB-1221	11104-28-2	ug/L	10/20/2021										<0.2
PCB-1221	11104-28-2	ug/L	5/2/2022				<0.2						
PCB-1221	11104-28-2	ug/L	4/23/2025					<1.81					

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
PCB-1221	11104-28-2	ug/L	4/25/2025			<1.84					<1.80		
PCB-1221	11104-28-2	ug/L	5/5/2025									<1.81	
PCB-1221	11104-28-2	ug/L	5/6/2025	<1.80	<1.83								
PCB-1221	11104-28-2	ug/L	5/7/2025						<1.79				
PCB-1232	11141-16-5	ug/L	4/14/2009	<0.92	<0.8	<0.8	<0.8	<0.8	<0.8				
PCB-1232	11141-16-5	ug/L	5/10/2010	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	
PCB-1232	11141-16-5	ug/L	4/4/2011										<0.8
PCB-1232	11141-16-5	ug/L	10/15/2014								<0.8		
PCB-1232	11141-16-5	ug/L	10/5/2015	<0.808	<0.8	<0.8		<0.808	<0.8			<0.8	
PCB-1232	11141-16-5	ug/L	4/4/2016								<0.8		<0.825
PCB-1232	11141-16-5	ug/L	4/17/2017				<0.851						
PCB-1232	11141-16-5	ug/L	3/30/2020	<0.842	<0.833	<0.833		<0.851	<0.825		<0.842	<0.842	
PCB-1232	11141-16-5	ug/L	10/20/2021										<0.2
PCB-1232	11141-16-5	ug/L	5/2/2022				<0.2						
PCB-1232	11141-16-5	ug/L	4/23/2025					<1.81					
PCB-1232	11141-16-5	ug/L	4/25/2025			<1.84					<1.80		
PCB-1232	11141-16-5	ug/L	5/5/2025									<1.81	
PCB-1232	11141-16-5	ug/L	5/6/2025	<1.80	<1.83								
PCB-1232	11141-16-5	ug/L	5/7/2025						<1.79				
PCB-1242	53469-21-9	ug/L	4/14/2009	<0.92	<0.8	<0.8	<0.8	<0.8	<0.8				
PCB-1242	53469-21-9	ug/L	5/10/2010	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	
PCB-1242	53469-21-9	ug/L	4/4/2011										<0.8
PCB-1242	53469-21-9	ug/L	10/15/2014								<0.8		
PCB-1242	53469-21-9	ug/L	10/5/2015	<0.808	<0.8	<0.8		<0.808	<0.8			<0.8	
PCB-1242	53469-21-9	ug/L	4/4/2016								<0.8		<0.825
PCB-1242	53469-21-9	ug/L	4/17/2017				<0.851						
PCB-1242	53469-21-9	ug/L	3/30/2020	<0.842	<0.833	<0.833		<0.851	<0.825		<0.842	<0.842	
PCB-1242	53469-21-9	ug/L	10/20/2021										<0.2
PCB-1242	53469-21-9	ug/L	5/2/2022				<0.2						
PCB-1242	53469-21-9	ug/L	4/23/2025					<1.81					
PCB-1242	53469-21-9	ug/L	4/25/2025			<1.84					<1.80		
PCB-1242	53469-21-9	ug/L	5/5/2025									<1.81	
PCB-1242	53469-21-9	ug/L	5/6/2025	<1.80	<1.83								
PCB-1242	53469-21-9	ug/L	5/7/2025						<1.79				
PCB-1248	12672-29-6	ug/L	4/14/2009	<0.92	<0.8	<0.8	<0.8	<0.8	<0.8				
PCB-1248	12672-29-6	ug/L	5/10/2010	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	
PCB-1248	12672-29-6	ug/L	4/4/2011										<0.8
PCB-1248	12672-29-6	ug/L	10/15/2014								<0.8		
PCB-1248	12672-29-6	ug/L	10/5/2015	<0.808	<0.8	<0.8		<0.808	<0.8			<0.8	
PCB-1248	12672-29-6	ug/L	4/4/2016								<0.8		<0.825
PCB-1248	12672-29-6	ug/L	4/17/2017				<0.851						
PCB-1248	12672-29-6	ug/L	3/30/2020	<0.842	<0.833	<0.833		<0.851	<0.825		<0.842	<0.842	
PCB-1248	12672-29-6	ug/L	10/20/2021										<0.2
PCB-1248	12672-29-6	ug/L	5/2/2022				<0.2						
PCB-1248	12672-29-6	ug/L	4/23/2025					<1.81					
PCB-1248	12672-29-6	ug/L	4/25/2025			<1.84					<1.80		
PCB-1248	12672-29-6	ug/L	5/5/2025									<1.81	
PCB-1248	12672-29-6	ug/L	5/6/2025	<1.80	<1.83								
PCB-1248	12672-29-6	ug/L	5/7/2025						<1.79				
PCB-1254	11097-69-1	ug/L	4/14/2009	<0.92	<0.8	<0.8	<0.8	<0.8	<0.8				
PCB-1254	11097-69-1	ug/L	5/10/2010	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	
PCB-1254	11097-69-1	ug/L	4/4/2011										<0.8
PCB-1254	11097-69-1	ug/L	10/15/2014								<0.8		
PCB-1254	11097-69-1	ug/L	10/5/2015	<0.808	<0.8	<0.8		<0.808	<0.8			<0.8	
PCB-1254	11097-69-1	ug/L	4/4/2016								<0.8		<0.825
PCB-1254	11097-69-1	ug/L	4/17/2017				<0.851						
PCB-1254	11097-69-1	ug/L	3/30/2020	<0.842	<0.833	<0.833		<0.851	<0.825		<0.842	<0.842	
PCB-1254	11097-69-1	ug/L	10/20/2021										<0.1
PCB-1254	11097-69-1	ug/L	5/2/2022				<0.1						
PCB-1254	11097-69-1	ug/L	4/23/2025					<1.81					
PCB-1254	11097-69-1	ug/L	4/25/2025			<1.84					<1.80		
PCB-1254	11097-69-1	ug/L	5/5/2025									<1.81	
PCB-1254	11097-69-1	ug/L	5/6/2025	<1.80	<1.83								

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
PCB-1254	11097-69-1	ug/L	5/7/2025						<1.79				
PCB-1260	11096-82-5	ug/L	4/14/2009	<0.92	<0.8	<0.8	<0.8	<0.8	<0.8				
PCB-1260	11096-82-5	ug/L	5/10/2010	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8			<0.8	
PCB-1260	11096-82-5	ug/L	4/4/2011										<0.8
PCB-1260	11096-82-5	ug/L	10/15/2014								<0.8		
PCB-1260	11096-82-5	ug/L	10/5/2015	<0.808	<0.8	<0.8		<0.808	<0.8			<0.8	
PCB-1260	11096-82-5	ug/L	4/4/2016								<0.8		<0.825
PCB-1260	11096-82-5	ug/L	4/17/2017				<0.851						
PCB-1260	11096-82-5	ug/L	3/30/2020	<0.842	<0.833	<0.833		<0.851	<0.825		<0.842	<0.842	
PCB-1260	11096-82-5	ug/L	10/20/2021										<0.1
PCB-1260	11096-82-5	ug/L	5/2/2022				<0.1						
PCB-1260	11096-82-5	ug/L	4/23/2025					<1.81					
PCB-1260	11096-82-5	ug/L	4/25/2025			<1.84					<1.80		
PCB-1260	11096-82-5	ug/L	5/5/2025									<1.81	
PCB-1260	11096-82-5	ug/L	5/6/2025	<1.80	<1.83								
PCB-1260	11096-82-5	ug/L	5/7/2025						<1.79				
Parathion-Ethyl	56-38-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Parathion-Ethyl	56-38-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Parathion-Ethyl	56-38-2	ug/L	4/4/2011										<10
Parathion-Ethyl	56-38-2	ug/L	10/15/2014								<10		
Parathion-Ethyl	56-38-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Parathion-Ethyl	56-38-2	ug/L	4/4/2016										<10.3
Parathion-Ethyl	56-38-2	ug/L	4/17/2017				<11						
Parathion-Ethyl	56-38-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Parathion-Ethyl	56-38-2	ug/L	10/20/2021										<0.4
Parathion-Ethyl	56-38-2	ug/L	5/2/2022				<0.4						
Parathion-Methyl	298-00-0	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Parathion-Methyl	298-00-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Parathion-Methyl	298-00-0	ug/L	4/4/2011										<10
Parathion-Methyl	298-00-0	ug/L	10/15/2014								<10		
Parathion-Methyl	298-00-0	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Parathion-Methyl	298-00-0	ug/L	4/4/2016										<10.3
Parathion-Methyl	298-00-0	ug/L	4/17/2017				<11						
Parathion-Methyl	298-00-0	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Parathion-Methyl	298-00-0	ug/L	10/20/2021										<0.4
Parathion-Methyl	298-00-0	ug/L	5/2/2022				<0.4						
Pentachlorobenzene	608-93-5	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Pentachlorobenzene	608-93-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Pentachlorobenzene	608-93-5	ug/L	4/4/2011										<10
Pentachlorobenzene	608-93-5	ug/L	10/15/2014								<10		
Pentachlorobenzene	608-93-5	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Pentachlorobenzene	608-93-5	ug/L	4/4/2016										<10.3
Pentachlorobenzene	608-93-5	ug/L	4/17/2017				<11						
Pentachlorobenzene	608-93-5	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Pentachlorobenzene	608-93-5	ug/L	10/20/2021										<8
Pentachlorobenzene	608-93-5	ug/L	5/2/2022				<8						
Pentachlorobenzene	608-93-5	ug/L	4/23/2025					<10.4					
Pentachlorobenzene	608-93-5	ug/L	4/25/2025			<10.4					<10.2		
Pentachlorobenzene	608-93-5	ug/L	5/5/2025									<10.0	
Pentachlorobenzene	608-93-5	ug/L	5/6/2025	<10.4	<10.4								
Pentachlorobenzene	608-93-5	ug/L	5/7/2025						<10.6				
Pentachloronitrobenzene	82-68-8	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Pentachloronitrobenzene	82-68-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Pentachloronitrobenzene	82-68-8	ug/L	4/4/2011										<10
Pentachloronitrobenzene	82-68-8	ug/L	10/15/2014								<10		
Pentachloronitrobenzene	82-68-8	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Pentachloronitrobenzene	82-68-8	ug/L	4/4/2016										<10.3
Pentachloronitrobenzene	82-68-8	ug/L	4/17/2017				<11						
Pentachloronitrobenzene	82-68-8	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Pentachloronitrobenzene	82-68-8	ug/L	10/20/2021										<8
Pentachloronitrobenzene	82-68-8	ug/L	5/2/2022				<8						
Pentachloronitrobenzene	82-68-8	ug/L	4/23/2025					<10.4					
Pentachloronitrobenzene	82-68-8	ug/L	4/25/2025			<10.4					<10.2		

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Pentachloronitrobenzene	82-68-8	ug/L	5/5/2025									<10.0	
Pentachloronitrobenzene	82-68-8	ug/L	5/6/2025	<10.4	<10.4								
Pentachloronitrobenzene	82-68-8	ug/L	5/7/2025						<10.6				
Pentachlorophenol	87-86-5	ug/L	4/23/2025					<10.4					
Pentachlorophenol	87-86-5	ug/L	4/25/2025			<10.4					<10.2		
Pentachlorophenol	87-86-5	ug/L	5/5/2025									<10.0	
Pentachlorophenol	87-86-5	ug/L	5/6/2025	<10.4	<10.4								
Pentachlorophenol	87-86-5	ug/L	5/7/2025						<10.6				
Pentachlorophenol [2C]	87-86-5	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Pentachlorophenol [2C]	87-86-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Pentachlorophenol [2C]	87-86-5	ug/L	4/4/2011										<10
Pentachlorophenol [2C]	87-86-5	ug/L	10/15/2014								<10		
Pentachlorophenol [2C]	87-86-5	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Pentachlorophenol [2C]	87-86-5	ug/L	4/4/2016										<10.3
Pentachlorophenol [2C]	87-86-5	ug/L	4/17/2017				<11						
Pentachlorophenol [2C]	87-86-5	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Pentachlorophenol [2C]	87-86-5	ug/L	10/20/2021										<8
Pentachlorophenol [2C]	87-86-5	ug/L	5/2/2022				<8						
Phenacetin	62-44-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Phenacetin	62-44-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Phenacetin	62-44-2	ug/L	4/4/2011										<10
Phenacetin	62-44-2	ug/L	10/15/2014								<10		
Phenacetin	62-44-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Phenacetin	62-44-2	ug/L	4/4/2016										<10.3
Phenacetin	62-44-2	ug/L	4/17/2017				<11						
Phenacetin	62-44-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Phenacetin	62-44-2	ug/L	10/20/2021										<8
Phenacetin	62-44-2	ug/L	5/2/2022				<8						
Phenacetin	62-44-2	ug/L	4/23/2025					<10.4					
Phenacetin	62-44-2	ug/L	4/25/2025			<10.4					<10.2		
Phenacetin	62-44-2	ug/L	5/5/2025									<10.0	
Phenacetin	62-44-2	ug/L	5/6/2025	<10.4	<10.4								
Phenacetin	62-44-2	ug/L	5/7/2025						<10.6				
Phenanthrene	85-01-8	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Phenanthrene	85-01-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Phenanthrene	85-01-8	ug/L	4/4/2011										<10
Phenanthrene	85-01-8	ug/L	10/15/2014								<10		
Phenanthrene	85-01-8	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Phenanthrene	85-01-8	ug/L	4/4/2016										<10.3
Phenanthrene	85-01-8	ug/L	4/17/2017				<11						
Phenanthrene	85-01-8	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Phenanthrene	85-01-8	ug/L	10/20/2021										<8
Phenanthrene	85-01-8	ug/L	5/2/2022				<8						
Phenanthrene	85-01-8	ug/L	4/23/2025					<10.4					
Phenanthrene	85-01-8	ug/L	4/25/2025			<10.4					<10.2		
Phenanthrene	85-01-8	ug/L	5/5/2025									<10.0	
Phenanthrene	85-01-8	ug/L	5/6/2025	<10.4	<10.4								
Phenanthrene	85-01-8	ug/L	5/7/2025						<10.6				
Phenol	108-95-2	ug/L	4/14/2009	<20	<20	<20	<20	<40	<20				
Phenol	108-95-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Phenol	108-95-2	ug/L	4/4/2011										<10
Phenol	108-95-2	ug/L	10/15/2014								<10		
Phenol	108-95-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Phenol	108-95-2	ug/L	4/4/2016										<10.3
Phenol	108-95-2	ug/L	4/17/2017				<11						
Phenol	108-95-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Phenol	108-95-2	ug/L	10/20/2021										<8
Phenol	108-95-2	ug/L	5/2/2022				<8						
Phenol	108-95-2	ug/L	4/23/2025					<10.4					
Phenol	108-95-2	ug/L	4/25/2025			<10.4					<10.2		
Phenol	108-95-2	ug/L	5/5/2025									<10.0	
Phenol	108-95-2	ug/L	5/6/2025	<10.4	<10.4								
Phenol	108-95-2	ug/L	5/7/2025						<10.6				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Phorate	298-02-2	ug/L	4/14/2009	<60	<60	<60	<60	<120	<60				
Phorate	298-02-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Phorate	298-02-2	ug/L	4/4/2011										<10
Phorate	298-02-2	ug/L	10/15/2014								<10		
Phorate	298-02-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Phorate	298-02-2	ug/L	4/4/2016										<10.3
Phorate	298-02-2	ug/L	4/17/2017				<11						
Phorate	298-02-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Phorate	298-02-2	ug/L	10/20/2021										<0.4
Phorate	298-02-2	ug/L	5/2/2022				<0.4						
Phorate	298-02-2	ug/L	4/23/2025					<10.4					
Phorate	298-02-2	ug/L	4/25/2025			<10.4					<10.2		
Phorate	298-02-2	ug/L	5/5/2025									<10.0	
Phorate	298-02-2	ug/L	5/6/2025	<10.4	<10.4								
Phorate	298-02-2	ug/L	5/7/2025						<10.6				
Potassium	7440-09-7	mg/L	6/2/2014	6.14	1.56	2.92	1.22	1.8	<1	<1	1.09	1.29	1.01
Potassium	7440-09-7	mg/L	10/15/2014	7.86	1.58	3.39	1.34	2.29	1.02	<1	1.15	1.6	0.907J
Potassium	7440-09-7	mg/L	3/30/2020								0.782		
Pronamide	23950-58-5	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Pronamide	23950-58-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Pronamide	23950-58-5	ug/L	4/4/2011										<10
Pronamide	23950-58-5	ug/L	10/15/2014								<10		
Pronamide	23950-58-5	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Pronamide	23950-58-5	ug/L	4/4/2016										<10.3
Pronamide	23950-58-5	ug/L	4/17/2017				<11						
Pronamide	23950-58-5	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Pronamide	23950-58-5	ug/L	10/20/2021										<8
Pronamide	23950-58-5	ug/L	5/2/2022				<8						
Pronamide	23950-58-5	ug/L	4/23/2025					<10.4					
Pronamide	23950-58-5	ug/L	4/25/2025			<10.4					<10.2		
Pronamide	23950-58-5	ug/L	5/5/2025									<10.0	
Pronamide	23950-58-5	ug/L	5/6/2025	<10.4	<10.4								
Pronamide	23950-58-5	ug/L	5/7/2025						<10.6				
Propionitrile	107-12-0	ug/L	4/14/2009	<10	<10	<10	<10	<10	<10				
Propionitrile	107-12-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Propionitrile	107-12-0	ug/L	4/4/2011										<10
Propionitrile	107-12-0	ug/L	10/15/2014								<10		
Propionitrile	107-12-0	ug/L	10/5/2015	<10	<10	<10		<10	<10		<10	<10	
Propionitrile	107-12-0	ug/L	4/4/2016										<10
Propionitrile	107-12-0	ug/L	4/17/2017				<10						
Propionitrile	107-12-0	ug/L	3/30/2020	<10	<10	<10		<10	<10		<10	<10	
Propionitrile	107-12-0	ug/L	10/20/2021										<10
Propionitrile	107-12-0	ug/L	5/2/2022				<10						
Propionitrile	107-12-0	ug/L	4/23/2025					<10.0					
Propionitrile	107-12-0	ug/L	4/25/2025			<10.0					<10.0		
Propionitrile	107-12-0	ug/L	5/5/2025									<10.0	
Propionitrile	107-12-0	ug/L	5/6/2025	<10.0	<10.0								
Propionitrile	107-12-0	ug/L	5/7/2025						<10.0				
Pyrene	129-00-0	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Pyrene	129-00-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Pyrene	129-00-0	ug/L	4/4/2011										<10
Pyrene	129-00-0	ug/L	10/15/2014								<10		
Pyrene	129-00-0	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Pyrene	129-00-0	ug/L	4/4/2016										<10.3
Pyrene	129-00-0	ug/L	4/17/2017				<11						
Pyrene	129-00-0	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Pyrene	129-00-0	ug/L	10/20/2021										<8
Pyrene	129-00-0	ug/L	5/2/2022				<8						
Pyrene	129-00-0	ug/L	4/23/2025					<10.4					
Pyrene	129-00-0	ug/L	4/25/2025			<10.4					<10.2		
Pyrene	129-00-0	ug/L	5/5/2025									<10.0	
Pyrene	129-00-0	ug/L	5/6/2025	<10.4	<10.4								
Pyrene	129-00-0	ug/L	5/7/2025						<10.6				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Safrole	94-59-7	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Safrole	94-59-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Safrole	94-59-7	ug/L	4/4/2011										<10
Safrole	94-59-7	ug/L	10/15/2014								<10		
Safrole	94-59-7	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Safrole	94-59-7	ug/L	4/4/2016										<10.3
Safrole	94-59-7	ug/L	4/17/2017				<11						
Safrole	94-59-7	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Safrole	94-59-7	ug/L	10/20/2021										<8
Safrole	94-59-7	ug/L	5/2/2022				<8						
Safrole	94-59-7	ug/L	4/23/2025					<10.4					
Safrole	94-59-7	ug/L	4/25/2025			<10.4					<10.2		
Safrole	94-59-7	ug/L	5/5/2025									<10.0	
Safrole	94-59-7	ug/L	5/6/2025	<10.4	<10.4								
Safrole	94-59-7	ug/L	5/7/2025						<10.6				
Selenium	7782-49-2	mg/L	2/27/2008	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Selenium	7782-49-2	mg/L	5/12/2008	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Selenium	7782-49-2	mg/L	7/13/2008	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Selenium	7782-49-2	mg/L	9/14/2008	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Selenium	7782-49-2	mg/L	11/17/2008	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005				
Selenium	7782-49-2	mg/L	4/14/2009	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Selenium	7782-49-2	mg/L	7/7/2009								<0.01	<0.01	
Selenium	7782-49-2	mg/L	9/2/2009								<0.01	<0.01	
Selenium	7782-49-2	mg/L	10/25/2009	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	
Selenium	7782-49-2	mg/L	1/2/2010								<0.01	<0.01	
Selenium	7782-49-2	mg/L	3/3/2010								<0.01	<0.01	<0.01
Selenium	7782-49-2	mg/L	5/10/2010	<0.002	0.0031	0.0025	0.004	0.0028	<0.002			0.0047	0.0023
Selenium	7782-49-2	mg/L	7/8/2010								<0.01	<0.01	<0.01
Selenium	7782-49-2	mg/L	9/13/2010								<0.01	<0.01	<0.01
Selenium	7782-49-2	mg/L	11/1/2010								<0.01	<0.01	
Selenium	7782-49-2	mg/L	1/10/2011								<0.005	<0.005	
Selenium	7782-49-2	mg/L	4/4/2011								<0.01	<0.01	<0.005
Selenium	7782-49-2	mg/L	7/8/2011										<0.01
Selenium	7782-49-2	mg/L	8/11/2011										<0.01
Selenium	7782-49-2	mg/L	10/13/2011	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	12/5/2011						<0.005				<0.005
Selenium	7782-49-2	mg/L	4/11/2012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	6/25/2012						<0.005				
Selenium	7782-49-2	mg/L	8/1/2012						<0.005	<0.005			
Selenium	7782-49-2	mg/L	10/11/2012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	12/13/2012						<0.005	<0.005			
Selenium	7782-49-2	mg/L	3/30/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/7/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	6/2/2014	0.000709J	<0.005	<0.005	0.00105J	<0.005	<0.005	<0.005	<0.005	<0.005	0.00132J
Selenium	7782-49-2	mg/L	10/15/2014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	4/6/2015	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/5/2015	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	4/4/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00122J	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/17/2016	0.00113J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.000711J	<0.005
Selenium	7782-49-2	mg/L	4/17/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/11/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	4/20/2018						<0.005				
Selenium	7782-49-2	mg/L	4/24/2018				<0.005	<0.005			<0.005		
Selenium	7782-49-2	mg/L	4/25/2018	<0.005	<0.02	<0.005				<0.005		<0.005	<0.005
Selenium	7782-49-2	mg/L	10/16/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Selenium	7782-49-2	mg/L	4/16/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/1/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00409J	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	3/30/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00321J	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/7/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00146J	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	4/13/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.0034J	<0.004	<0.004	<0.004
Selenium	7782-49-2	mg/L	10/20/2021						<0.004; 0.0044				<0.004
Selenium	7782-49-2	mg/L	5/2/2022				<0.004		<0.004	0.0027J			0.0017J
Selenium	7782-49-2	mg/L	10/14/2022						<0.004				0.002J

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Selenium	7782-49-2	mg/L	5/1/2023						<0.005	<0.005			<0.005
Selenium	7782-49-2	mg/L	10/16/2023						<0.005				<0.005
Selenium	7782-49-2	mg/L	4/29/2024						<0.005	<0.005			<0.005
Selenium	7782-49-2	mg/L	10/10/2024										<0.00500
Selenium	7782-49-2	mg/L	10/11/2024						<0.00500				
Selenium	7782-49-2	mg/L	4/23/2025					<0.00500					
Selenium	7782-49-2	mg/L	4/25/2025			<0.00500					<0.00500		
Selenium	7782-49-2	mg/L	4/28/2025										<0.0250
Selenium	7782-49-2	mg/L	4/30/2025							<0.00500			
Selenium	7782-49-2	mg/L	5/5/2025									<0.00500	
Selenium	7782-49-2	mg/L	5/6/2025	<0.00500	<0.00500								
Selenium	7782-49-2	mg/L	5/7/2025						<0.00500				
Silver	7440-22-4	mg/L	2/27/2008	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Silver	7440-22-4	mg/L	5/12/2008	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Silver	7440-22-4	mg/L	7/13/2008	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Silver	7440-22-4	mg/L	9/14/2008	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Silver	7440-22-4	mg/L	11/17/2008	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02				
Silver	7440-22-4	mg/L	4/14/2009	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Silver	7440-22-4	mg/L	7/7/2009								<0.01	<0.01	
Silver	7440-22-4	mg/L	9/2/2009								0.018	<0.01	
Silver	7440-22-4	mg/L	10/25/2009	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025		<0.025	<0.025	
Silver	7440-22-4	mg/L	1/2/2010								<0.025	<0.025	
Silver	7440-22-4	mg/L	3/3/2010								<0.025	<0.025	<0.025
Silver	7440-22-4	mg/L	5/10/2010	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	<0.02
Silver	7440-22-4	mg/L	7/8/2010										<0.025
Silver	7440-22-4	mg/L	9/13/2010										<0.025
Silver	7440-22-4	mg/L	11/1/2010								<0.025	<0.025	
Silver	7440-22-4	mg/L	4/4/2011								<0.025	<0.025	<0.02
Silver	7440-22-4	mg/L	7/8/2011										<0.025
Silver	7440-22-4	mg/L	8/11/2011										<0.025
Silver	7440-22-4	mg/L	10/13/2011	<0.02	<0.02	<0.02	<0.02	<0.02			<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	12/5/2011						<0.02				
Silver	7440-22-4	mg/L	4/11/2012	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	6/25/2012						<0.02				
Silver	7440-22-4	mg/L	8/1/2012						<0.02	<0.02			
Silver	7440-22-4	mg/L	10/11/2012	<0.02	<0.02	0.0308	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	12/13/2012						<0.02	<0.02			
Silver	7440-22-4	mg/L	3/30/2013	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	10/7/2013	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	6/2/2014	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	10/15/2014	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	4/6/2015	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	0.000063J
Silver	7440-22-4	mg/L	10/5/2015	<0.001	<0.001	<0.001		<0.001	0.000075J	<0.001	0.0001J	<0.001	<0.001
Silver	7440-22-4	mg/L	4/4/2016	<0.001	<0.001	0.000174J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/17/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	4/17/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000186J	<0.001
Silver	7440-22-4	mg/L	10/11/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	4/20/2018						<0.001				
Silver	7440-22-4	mg/L	4/24/2018				<0.001	<0.001			<0.001		
Silver	7440-22-4	mg/L	4/25/2018	<0.001	<0.004	<0.001				<0.001		<0.001	<0.001; 0.000321J
Silver	7440-22-4	mg/L	10/16/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Silver	7440-22-4	mg/L	4/16/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	3/30/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/7/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	4/13/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	7440-22-4	mg/L	10/20/2021						<0.004				<0.004
Silver	7440-22-4	mg/L	5/2/2022				<0.004		<0.004	<0.004			<0.004
Silver	7440-22-4	mg/L	10/14/2022						<0.004				<0.004
Silver	7440-22-4	mg/L	5/1/2023						<0.001	<0.001			<0.001
Silver	7440-22-4	mg/L	10/16/2023						<0.001				<0.001
Silver	7440-22-4	mg/L	4/29/2024						<0.001	<0.001			<0.001
Silver	7440-22-4	mg/L	10/10/2024										<0.00100

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Silver	7440-22-4	mg/L	10/11/2024						<0.00100				
Silver	7440-22-4	mg/L	4/23/2025					<0.00100					
Silver	7440-22-4	mg/L	4/25/2025			<0.00100					<0.00100		
Silver	7440-22-4	mg/L	4/28/2025										<0.00500
Silver	7440-22-4	mg/L	4/30/2025							<0.00100			
Silver	7440-22-4	mg/L	5/5/2025									<0.00100	
Silver	7440-22-4	mg/L	5/6/2025	<0.00100	<0.00100								
Silver	7440-22-4	mg/L	5/7/2025						<0.00100				
Silvex (2,4,5-TP)	93-72-1	ug/L	4/23/2025					<0.0540					
Silvex (2,4,5-TP)	93-72-1	ug/L	4/25/2025			<0.0570					<0.0551		
Silvex (2,4,5-TP)	93-72-1	ug/L	5/5/2025									<0.0501	
Silvex (2,4,5-TP)	93-72-1	ug/L	5/6/2025	<0.0549	<0.0560								
Silvex (2,4,5-TP)	93-72-1	ug/L	5/7/2025						<0.0519				
Sodium	7440-23-5	mg/L	6/2/2014	4.14	19.3	30.9	23.2	28.1	10	5.68	20.9	14.2	10.9
Sodium	7440-23-5	mg/L	10/15/2014	4.05	18.7	31.1	26.1	30.6	10.5	4.93	21.6	23.3	10.3
Sodium	7440-23-5	mg/L	3/30/2020								85.4		
Styrene	100-42-5	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
Styrene	100-42-5	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
Styrene	100-42-5	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
Styrene	100-42-5	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
Styrene	100-42-5	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
Styrene	100-42-5	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
Styrene	100-42-5	ug/L	7/7/2009								<1	<1	
Styrene	100-42-5	ug/L	9/2/2009								<1	<1	
Styrene	100-42-5	ug/L	10/25/2009	<2	<2	<2	<2	<2	<2		<2	<2	
Styrene	100-42-5	ug/L	1/2/2010								<4	<4	
Styrene	100-42-5	ug/L	3/3/2010								<2	<2	<2
Styrene	100-42-5	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4			<4	<4
Styrene	100-42-5	ug/L	7/8/2010										<4
Styrene	100-42-5	ug/L	9/13/2010										<1
Styrene	100-42-5	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
Styrene	100-42-5	ug/L	4/4/2011										<1
Styrene	100-42-5	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
Styrene	100-42-5	ug/L	12/5/2011						<1				
Styrene	100-42-5	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
Styrene	100-42-5	ug/L	6/25/2012						<1				
Styrene	100-42-5	ug/L	8/1/2012						<1	<1			
Styrene	100-42-5	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	12/13/2012						<1	<1			
Styrene	100-42-5	ug/L	2/4/2013						<1	<1			
Styrene	100-42-5	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
Styrene	100-42-5	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/20/2018						<1				
Styrene	100-42-5	ug/L	4/24/2018				<1	<1			<1		
Styrene	100-42-5	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
Styrene	100-42-5	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/20/2021						<1				<1
Styrene	100-42-5	ug/L	5/2/2022				<1		<1	<1			<1
Styrene	100-42-5	ug/L	10/14/2022						<1				<1
Styrene	100-42-5	ug/L	5/1/2023				<1		<1	<1		<1	<1

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Styrene	100-42-5	ug/L	10/16/2023						<1				<1
Styrene	100-42-5	ug/L	4/29/2024						<1	<1			<1
Styrene	100-42-5	ug/L	10/10/2024										<1.00
Styrene	100-42-5	ug/L	10/11/2024						<1.00				
Styrene	100-42-5	ug/L	4/23/2025					<1.00					
Styrene	100-42-5	ug/L	4/25/2025			<1.00					<1.00		
Styrene	100-42-5	ug/L	4/28/2025										<1.00
Styrene	100-42-5	ug/L	4/30/2025							<1.00			
Styrene	100-42-5	ug/L	5/5/2025									<1.00	
Styrene	100-42-5	ug/L	5/6/2025	<1.00	<1.00								
Styrene	100-42-5	ug/L	5/7/2025						<1.00				
Sulfate	14808-79-8	mg/L	6/2/2014	16.7	<5	58.1	133	162	28.3	13.7	2.51J	109	30.7
Sulfate	14808-79-8	mg/L	10/15/2014	9.96	<5	31.6	136	147	29.4	13.9	2.89J	102	33.9
Sulfate	14808-79-8	mg/L	4/6/2015	18.6	<1	54.6	144	171	27.7	10.4	1.78	107	33.5
Sulfate	14808-79-8	mg/L	10/5/2015	10.7	1.99J	9.2	135	128	28.4	11.5	4.15J	113	29.6
Sulfate	14808-79-8	mg/L	4/4/2016	44.2	0.466J	35.3	137	121	30.5	10.6	48.2	81.2	31.7
Sulfate	14808-79-8	mg/L	10/17/2016	13.3	<1	6.09	136	110	31.1	9.66	18.7	74.7	28.5
Sulfate	14808-79-8	mg/L	3/30/2020								235		
Sulfate	14808-79-8	mg/L	5/2/2022										21.5
Sulfate	14808-79-8	mg/L	5/1/2023										4.44
Sulfate	14808-79-8	mg/L	4/29/2024										18.5
Sulfate	14808-79-8	mg/L	4/28/2025										22.2
Sulfide	18496-25-8	mg/L	4/14/2009	<1	<1	<1	<1	<1	<1				
Sulfide	18496-25-8	mg/L	5/10/2010	<1	<1	3.6	<1	<1	<1			<1	
Sulfide	18496-25-8	mg/L	7/8/2010			0.62							
Sulfide	18496-25-8	mg/L	9/13/2010			<1							
Sulfide	18496-25-8	mg/L	1/10/2011			<1							
Sulfide	18496-25-8	mg/L	4/4/2011										<1
Sulfide	18496-25-8	mg/L	6/2/2014			<1				<1			
Sulfide	18496-25-8	mg/L	10/15/2014			<1				<1	<1		
Sulfide	18496-25-8	mg/L	4/6/2015			<1				<1			
Sulfide	18496-25-8	mg/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	
Sulfide	18496-25-8	mg/L	4/4/2016			<1							<1
Sulfide	18496-25-8	mg/L	10/17/2016			<1							
Sulfide	18496-25-8	mg/L	4/17/2017			1.25	<1						
Sulfide	18496-25-8	mg/L	10/11/2017			4.39							
Sulfide	18496-25-8	mg/L	4/25/2018			15.7							
Sulfide	18496-25-8	mg/L	10/16/2018			0.912J							
Sulfide	18496-25-8	mg/L	4/16/2019			<1							
Sulfide	18496-25-8	mg/L	10/1/2019			4.37							
Sulfide	18496-25-8	mg/L	3/30/2020	0.723J	<1	3.6		<1	<1		<1	<1	
Sulfide	18496-25-8	mg/L	10/7/2020			<10							
Sulfide	18496-25-8	mg/L	4/13/2021			<0.1							
Sulfide	18496-25-8	mg/L	10/20/2021										<0.1
Sulfide	18496-25-8	mg/L	5/2/2022				<0.1						
Sulfide	18496-25-8	mg/L	4/23/2025					<1.00					
Sulfide	18496-25-8	mg/L	4/25/2025			<1.00					<1.00		
Sulfide	18496-25-8	mg/L	5/5/2025									<1.00	
Sulfide	18496-25-8	mg/L	5/6/2025	<1.00	<1.00								
Sulfide	18496-25-8	mg/L	5/7/2025						<1.00				
Tetrachloro-m-xylene	877-09-8	ug/L	4/23/2025					10.5; 11.5					
Tetrachloro-m-xylene	877-09-8	ug/L	4/25/2025			5.56; 5.56					7.31; 7.31		
Tetrachloro-m-xylene	877-09-8	ug/L	5/5/2025									8.88; 8.88	
Tetrachloro-m-xylene	877-09-8	ug/L	5/6/2025	10.4; 10.4	9.26; 9.26								
Tetrachloro-m-xylene	877-09-8	ug/L	5/7/2025						9.38; 9.38				
Tetrachloroethene	127-18-4	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
Tetrachloroethene	127-18-4	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
Tetrachloroethene	127-18-4	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
Tetrachloroethene	127-18-4	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
Tetrachloroethene	127-18-4	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
Tetrachloroethene	127-18-4	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
Tetrachloroethene	127-18-4	ug/L	7/7/2009								<1	<1	
Tetrachloroethene	127-18-4	ug/L	9/2/2009								<1	<1	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Tetrachloroethene	127-18-4	ug/L	10/25/2009	<1	<1	<1	<1	<1	<1		<1	<1	
Tetrachloroethene	127-18-4	ug/L	1/2/2010								<1	<1	
Tetrachloroethene	127-18-4	ug/L	3/3/2010								<2	<2	<2
Tetrachloroethene	127-18-4	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
Tetrachloroethene	127-18-4	ug/L	7/8/2010										<1
Tetrachloroethene	127-18-4	ug/L	9/13/2010										<1
Tetrachloroethene	127-18-4	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
Tetrachloroethene	127-18-4	ug/L	4/4/2011										<1
Tetrachloroethene	127-18-4	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	12/5/2011						<1				
Tetrachloroethene	127-18-4	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	6/25/2012						<1				
Tetrachloroethene	127-18-4	ug/L	8/1/2012						<1	<1			
Tetrachloroethene	127-18-4	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	12/13/2012						<1	<1			
Tetrachloroethene	127-18-4	ug/L	2/4/2013						<1	<1			
Tetrachloroethene	127-18-4	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
Tetrachloroethene	127-18-4	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/20/2018						<1				
Tetrachloroethene	127-18-4	ug/L	4/24/2018				<1	<1			<1		
Tetrachloroethene	127-18-4	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
Tetrachloroethene	127-18-4	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/20/2021						<1				<1
Tetrachloroethene	127-18-4	ug/L	5/2/2022				<1		<1	<1			<1
Tetrachloroethene	127-18-4	ug/L	10/14/2022						<1				<1
Tetrachloroethene	127-18-4	ug/L	5/1/2023				<1		<1	<1		<1	<1
Tetrachloroethene	127-18-4	ug/L	10/16/2023						<1				<1
Tetrachloroethene	127-18-4	ug/L	4/29/2024						<1	<1			<1
Tetrachloroethene	127-18-4	ug/L	10/10/2024										<1.00
Tetrachloroethene	127-18-4	ug/L	10/11/2024						<1.00				
Tetrachloroethene	127-18-4	ug/L	4/23/2025					<1.00					
Tetrachloroethene	127-18-4	ug/L	4/25/2025			<1.00					<1.00		
Tetrachloroethene	127-18-4	ug/L	4/28/2025										<1.00
Tetrachloroethene	127-18-4	ug/L	4/30/2025							<1.00			
Tetrachloroethene	127-18-4	ug/L	5/5/2025									<1.00	
Tetrachloroethene	127-18-4	ug/L	5/6/2025	<1.00	<1.00								
Tetrachloroethene	127-18-4	ug/L	5/7/2025						<1.00				
Thallium	7440-28-0	mg/L	2/27/2008	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002				
Thallium	7440-28-0	mg/L	5/12/2008	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002				
Thallium	7440-28-0	mg/L	7/13/2008	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002				
Thallium	7440-28-0	mg/L	9/14/2008	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002				
Thallium	7440-28-0	mg/L	11/17/2008	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002				
Thallium	7440-28-0	mg/L	4/14/2009	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002				
Thallium	7440-28-0	mg/L	7/7/2009								<0.002	<0.002	
Thallium	7440-28-0	mg/L	9/2/2009								<0.002	<0.002	
Thallium	7440-28-0	mg/L	10/25/2009	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	
Thallium	7440-28-0	mg/L	1/2/2010								<0.002	<0.002	
Thallium	7440-28-0	mg/L	3/3/2010								<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	5/10/2010	<0.0004	<0.0004	0.00059	<0.0004	<0.0004	<0.0004			<0.0004	<0.0004
Thallium	7440-28-0	mg/L	7/8/2010										<0.002

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Thallium	7440-28-0	mg/L	9/13/2010										<0.002
Thallium	7440-28-0	mg/L	11/1/2010	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002	
Thallium	7440-28-0	mg/L	4/4/2011			<0.002							<0.002
Thallium	7440-28-0	mg/L	10/13/2011	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	12/5/2011						<0.002				
Thallium	7440-28-0	mg/L	4/11/2012	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	6/25/2012						<0.002				
Thallium	7440-28-0	mg/L	8/1/2012						<0.002	<0.002			
Thallium	7440-28-0	mg/L	10/11/2012	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	12/13/2012						<0.002	<0.002			
Thallium	7440-28-0	mg/L	3/30/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	10/7/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	6/2/2014	<0.002	<0.002	<0.002	<0.002	<0.002	0.00253	<0.002	0.000652J	<0.002	<0.002
Thallium	7440-28-0	mg/L	10/15/2014	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	4/6/2015	<0.001	<0.001	<0.001		<0.001	0.000135J	<0.001	<0.001	<0.001	0.000044J
Thallium	7440-28-0	mg/L	10/5/2015	<0.001	<0.001	<0.001		<0.001	0.000344J	<0.001	0.000036J	<0.001	0.000054J; 0.000061J
Thallium	7440-28-0	mg/L	4/4/2016	<0.001	<0.001	<0.001	0.000026J	0.00006J	0.000131J	<0.001	0.000034J	<0.001	0.000036J
Thallium	7440-28-0	mg/L	10/17/2016	<0.001	<0.001	<0.001	0.000032J	0.000034J; 0.000032J	0.000122J	<0.001	<0.001	0.000026J	0.000036J
Thallium	7440-28-0	mg/L	4/17/2017	<0.001	<0.001	<0.001	<0.001	<0.001	0.000103J	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/11/2017	0.000224J	<0.001	<0.001	<0.001	<0.001	0.00084J	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	4/20/2018						<0.001				
Thallium	7440-28-0	mg/L	4/24/2018				<0.001	<0.001			<0.001		
Thallium	7440-28-0	mg/L	4/25/2018	<0.001	<0.004	<0.001				<0.001		<0.001	<0.001
Thallium	7440-28-0	mg/L	10/16/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	4/16/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	3/30/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/7/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	4/13/2021	<0.002	<0.002	<0.002	<0.002	<0.002	0.0002J	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	10/20/2021						<0.002; 0.0002J				<0.002
Thallium	7440-28-0	mg/L	5/2/2022				<0.002		0.0002J	<0.002			<0.002
Thallium	7440-28-0	mg/L	10/14/2022						0.0003J; 0.0002J				<0.002
Thallium	7440-28-0	mg/L	5/1/2023						<0.001	<0.001			<0.001
Thallium	7440-28-0	mg/L	10/16/2023						<0.001				<0.001
Thallium	7440-28-0	mg/L	4/29/2024						<0.001	<0.001			<0.001
Thallium	7440-28-0	mg/L	10/10/2024										<0.00100
Thallium	7440-28-0	mg/L	10/11/2024						<0.00100				
Thallium	7440-28-0	mg/L	4/23/2025					<0.00100					
Thallium	7440-28-0	mg/L	4/25/2025			<0.00100					<0.00100		
Thallium	7440-28-0	mg/L	4/28/2025										<0.00500
Thallium	7440-28-0	mg/L	4/30/2025							<0.00100			
Thallium	7440-28-0	mg/L	5/5/2025									<0.00100	
Thallium	7440-28-0	mg/L	5/6/2025	<0.00100	<0.00100								
Thallium	7440-28-0	mg/L	5/7/2025						<0.00100				
Thionazin	297-97-2	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
Thionazin	297-97-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
Thionazin	297-97-2	ug/L	4/4/2011										<10
Thionazin	297-97-2	ug/L	10/15/2014								<10		
Thionazin	297-97-2	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
Thionazin	297-97-2	ug/L	4/4/2016										<10.3
Thionazin	297-97-2	ug/L	4/17/2017				<11						
Thionazin	297-97-2	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
Thionazin	297-97-2	ug/L	10/20/2021										<0.4
Thionazin	297-97-2	ug/L	5/2/2022				<0.4						
Thionazin	297-97-2	ug/L	4/23/2025					<10.4					
Thionazin	297-97-2	ug/L	4/25/2025			<10.4					<10.2		
Thionazin	297-97-2	ug/L	5/5/2025									<10.0	
Thionazin	297-97-2	ug/L	5/6/2025	<10.4	<10.4								
Thionazin	297-97-2	ug/L	5/7/2025						<10.6				
Tin	7440-31-5	mg/L	4/14/2009	<0.1	<0.1	<0.1	0.106	<0.1	<0.1				
Tin	7440-31-5	mg/L	7/7/2009				<0.1						
Tin	7440-31-5	mg/L	9/2/2009				0.103						
Tin	7440-31-5	mg/L	10/25/2009				<0.1						

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Tin	7440-31-5	mg/L	1/2/2010				<0.1						
Tin	7440-31-5	mg/L	5/10/2010	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	
Tin	7440-31-5	mg/L	4/4/2011										<0.1
Tin	7440-31-5	mg/L	10/13/2011				<0.1	<0.1					
Tin	7440-31-5	mg/L	4/11/2012				<0.1						
Tin	7440-31-5	mg/L	10/11/2012				<0.1			<0.1			
Tin	7440-31-5	mg/L	3/30/2013				<0.1			<0.1			
Tin	7440-31-5	mg/L	10/7/2013				0.587			0.136			
Tin	7440-31-5	mg/L	6/2/2014				<0.1						
Tin	7440-31-5	mg/L	10/15/2014				0.106				0.128		
Tin	7440-31-5	mg/L	4/6/2015							<0.005	<0.1		
Tin	7440-31-5	mg/L	6/10/2015								0.0489J		
Tin	7440-31-5	mg/L	8/10/2015								<0.005		
Tin	7440-31-5	mg/L	9/14/2015								<0.005		
Tin	7440-31-5	mg/L	10/5/2015	<0.005	<0.005	<0.005		<0.005	<0.005		<0.005	<0.005	
Tin	7440-31-5	mg/L	4/4/2016								<0.005		<0.005
Tin	7440-31-5	mg/L	10/17/2016								<0.005		
Tin	7440-31-5	mg/L	4/17/2017				<0.005				<0.005		
Tin	7440-31-5	mg/L	10/11/2017				<0.005				<0.005		
Tin	7440-31-5	mg/L	4/24/2018				<0.005				<0.005		
Tin	7440-31-5	mg/L	10/16/2018				<0.005				<0.005		
Tin	7440-31-5	mg/L	4/16/2019				<0.005				<0.005		
Tin	7440-31-5	mg/L	10/1/2019				<0.005						
Tin	7440-31-5	mg/L	3/30/2020	<0.005	<0.005	<0.005	0.0038J	<0.005	<0.005		<0.005	<0.005	
Tin	7440-31-5	mg/L	10/7/2020				<0.005						
Tin	7440-31-5	mg/L	4/13/2021				<0.02						
Tin	7440-31-5	mg/L	10/20/2021										<0.02
Tin	7440-31-5	mg/L	5/2/2022				<0.02						
Tin	7440-31-5	mg/L	4/23/2025					<0.00500					
Tin	7440-31-5	mg/L	4/25/2025			<0.00500					<0.00500		
Tin	7440-31-5	mg/L	5/5/2025									<0.00500	
Tin	7440-31-5	mg/L	5/6/2025	<0.00500	<0.00500								
Tin	7440-31-5	mg/L	5/7/2025						<0.00500				
Toluene	108-88-3	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
Toluene	108-88-3	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
Toluene	108-88-3	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
Toluene	108-88-3	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
Toluene	108-88-3	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
Toluene	108-88-3	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
Toluene	108-88-3	ug/L	7/7/2009								<1	<1	
Toluene	108-88-3	ug/L	9/2/2009								<1	<1	
Toluene	108-88-3	ug/L	10/25/2009	<1	<1	<1	<1	<1	<1		<1	<1	
Toluene	108-88-3	ug/L	1/2/2010								<1	<1	
Toluene	108-88-3	ug/L	3/3/2010								<1	<1	<1
Toluene	108-88-3	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
Toluene	108-88-3	ug/L	7/8/2010										<1
Toluene	108-88-3	ug/L	9/13/2010										<1
Toluene	108-88-3	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
Toluene	108-88-3	ug/L	4/4/2011										<1
Toluene	108-88-3	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
Toluene	108-88-3	ug/L	12/5/2011						<1				
Toluene	108-88-3	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
Toluene	108-88-3	ug/L	6/25/2012						<1				
Toluene	108-88-3	ug/L	8/1/2012						<1	<1			
Toluene	108-88-3	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	12/13/2012						<1	<1			
Toluene	108-88-3	ug/L	2/4/2013						<1	<1			
Toluene	108-88-3	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
Toluene	108-88-3	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/15/2014	<1; 0.168J	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Toluene	108-88-3	ug/L	4/4/2016	<1	<1	0.2J	<1	<1	<1	<1	<1	0.261J; <1	0.182J
Toluene	108-88-3	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/11/2017	0.424J	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	4/20/2018						<1				
Toluene	108-88-3	ug/L	4/24/2018				<1	<1			<1		
Toluene	108-88-3	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
Toluene	108-88-3	ug/L	10/16/2018	1.82	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/1/2019	0.735J	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/20/2021						<1				<1
Toluene	108-88-3	ug/L	5/2/2022				<1		<1	<1			<1
Toluene	108-88-3	ug/L	10/14/2022						<1				<1
Toluene	108-88-3	ug/L	5/1/2023				<1		<1	<1		<1	<1
Toluene	108-88-3	ug/L	10/16/2023						<1				<1
Toluene	108-88-3	ug/L	4/29/2024						<1	<1			<1
Toluene	108-88-3	ug/L	10/10/2024										<1.00
Toluene	108-88-3	ug/L	10/11/2024						<1.00				
Toluene	108-88-3	ug/L	4/23/2025					<1.00					
Toluene	108-88-3	ug/L	4/25/2025			<1.00					<1.00		
Toluene	108-88-3	ug/L	4/28/2025										<1.00
Toluene	108-88-3	ug/L	4/30/2025							<1.00			
Toluene	108-88-3	ug/L	5/5/2025									<1.00	
Toluene	108-88-3	ug/L	5/6/2025	<1.00	<1.00								
Toluene	108-88-3	ug/L	5/7/2025						<1.00				
Total Organic Carbon	7440-44-0	mg/L	4/28/2025										7.34
Total Organic Carbon	TOC	mg/L	4/6/2015	7.9	2.26	6.87	5.4	5.78	0.7J	0.94J	8.2	5.8	2.66
Total Organic Carbon	TOC	mg/L	10/5/2015	11.8	2.08	8.45	5.83	6.14	0.64J	0.96J	6.17	6.12	2.22
Total Organic Carbon	TOC	mg/L	4/4/2016	6.94	2.01	7.64	5.47	6.01	0.599J	0.819J	7.47	8.37	2.16
Total Organic Carbon	TOC	mg/L	10/17/2016	12.6	1.7	6.47	3.21	4.45	0.71J	0.834J	8.61	8.45	2.72
Total Organic Carbon	TOC	mg/L	5/2/2022										9.97
Total Organic Carbon	TOC	mg/L	5/1/2023										20.8
Total Organic Carbon	TOC	mg/L	4/29/2024										8.86
Total Suspended Solids	STL00161	mg/L	10/10/2024										49.0
Total Suspended Solids	STL00161	mg/L	10/11/2024						36.7				
Total Suspended Solids	STL00161	mg/L	4/23/2025					3.13					
Total Suspended Solids	STL00161	mg/L	4/25/2025			30.0					2.88		
Total Suspended Solids	STL00161	mg/L	4/28/2025										60.0
Total Suspended Solids	STL00161	mg/L	4/30/2025							3.63			
Total Suspended Solids	STL00161	mg/L	5/5/2025									37.0	
Total Suspended Solids	STL00161	mg/L	5/6/2025	4.25	43.0								
Total Suspended Solids	STL00161	mg/L	5/7/2025				7.38		332				
Total Suspended Solids	TSS	mg/L	6/2/2014	16	30	59	6.33	5.33	704	<5	6.67	<5	4.33J
Total Suspended Solids	TSS	mg/L	10/15/2014	1.5J; 2.38	213	45.5	9.4	8.33	642	5.88	2.75	<1.88	<1.88
Total Suspended Solids	TSS	mg/L	4/6/2015	4	30.5	41.3	3	1.83J	26.6	<2.5	2J	<2.5	5.67
Total Suspended Solids	TSS	mg/L	8/10/2015								2		
Total Suspended Solids	TSS	mg/L	9/14/2015								<1.88		
Total Suspended Solids	TSS	mg/L	10/5/2015	4.38	34.8	60.4	3.38	4.25	2160	3.25	4.13	121	1.25J; <1.88
Total Suspended Solids	TSS	mg/L	4/4/2016	1.38J	24.5	38.7	2.63	5.88	25.8	<1.88	8.5	0.75J; <1.88	1.13J
Total Suspended Solids	TSS	mg/L	10/11/2016						1730				
Total Suspended Solids	TSS	mg/L	10/17/2016	15.4	35	71.3	6.25	5; 10	168	1.25J	4.13	1J	0.625J
Total Suspended Solids	TSS	mg/L	11/14/2016						289				
Total Suspended Solids	TSS	mg/L	4/17/2017	10	66; 30.8	103	13.8	9.38	41.5	3.75	11.9	6	2
Total Suspended Solids	TSS	mg/L	10/11/2017	5.75	28; 28.9	355	3.13	6.63	2730	7.88	39.6	5.37	1.63J
Total Suspended Solids	TSS	mg/L	4/20/2018						28.5				
Total Suspended Solids	TSS	mg/L	4/24/2018				4.75	4.38			21.9		
Total Suspended Solids	TSS	mg/L	4/25/2018	5.63	38.9	103				6.38		7	1.75J; 1.63J
Total Suspended Solids	TSS	mg/L	10/16/2018	12.5	36.3; 40.8	69.7	1.13J	16.2	71.3	197	39.5	1240	11.2
Total Suspended Solids	TSS	mg/L	4/16/2019	7.88	41.3	58.9	1.63J	2.5	53	26	65.1	375	19
Total Suspended Solids	TSS	mg/L	10/1/2019	13	27.5	70	2.38	5.25	40.7; 32.1	4.5	50	10.9	11

Table 9A
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Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Total Suspended Solids	TSS	mg/L	3/30/2020	6	36	62	2.75J	2.13	26	2.63	26J	10.5	19; 20
Total Suspended Solids	TSS	mg/L	10/7/2020	31.6	25	60	1.63J	4.62	14.3	13	52	60.5; 22	1.38J
Total Suspended Solids	TSS	mg/L	4/13/2021	51	39	56	<2	2	15	3	59	244	21
Total Suspended Solids	TSS	mg/L	10/20/2021						53; 36				5
Total Suspended Solids	TSS	mg/L	5/2/2022	<2	132	90	5	6	136	61	59	23	33
Total Suspended Solids	TSS	mg/L	10/14/2022						221; 93				20
Total Suspended Solids	TSS	mg/L	5/1/2023	3.13	90	64	2.5	5.88	80	10	8.5	5.5	96
Total Suspended Solids	TSS	mg/L	10/16/2023						17.4; 12.9				60
Total Suspended Solids	TSS	mg/L	4/29/2024	2.75	53	52	4.13	5.37	63.5	61.3	2.25	7.13; 4.88	42.3
Toxaphene	8001-35-2	ug/L	4/14/2009	<2	2.35	12.3	<2	<2	<2				
Toxaphene	8001-35-2	ug/L	7/7/2009		<2	<2							
Toxaphene	8001-35-2	ug/L	9/2/2009		<2	4.34							
Toxaphene	8001-35-2	ug/L	10/25/2009		<2	4.36							
Toxaphene	8001-35-2	ug/L	1/2/2010		<2	4.52							
Toxaphene	8001-35-2	ug/L	5/10/2010	<2	<2	<2	<2	<2	<2			<2	
Toxaphene	8001-35-2	ug/L	11/1/2010		<2	<2							
Toxaphene	8001-35-2	ug/L	4/4/2011		<2	<2							<2
Toxaphene	8001-35-2	ug/L	10/13/2011			<2							
Toxaphene	8001-35-2	ug/L	4/11/2012		<2	<2							
Toxaphene	8001-35-2	ug/L	10/11/2012		<2	<2							
Toxaphene	8001-35-2	ug/L	3/30/2013		<2	<2				<2			
Toxaphene	8001-35-2	ug/L	10/7/2013							<2.02			
Toxaphene	8001-35-2	ug/L	6/2/2014		<2.08	<2							
Toxaphene	8001-35-2	ug/L	10/15/2014		<2	<2					<2		
Toxaphene	8001-35-2	ug/L	4/6/2015		<2	<2							
Toxaphene	8001-35-2	ug/L	10/5/2015	<2.06	<2	<2		<2.02	<2.04		<2.38	<2	
Toxaphene	8001-35-2	ug/L	4/4/2016		<2	<2							<2.08
Toxaphene	8001-35-2	ug/L	10/17/2016		<2	<2.02							
Toxaphene	8001-35-2	ug/L	4/17/2017				<2.11						
Toxaphene	8001-35-2	ug/L	3/30/2020	<2.11	<2.08	<2.08		<2.13	<2.06		<2.11	<2.11	
Toxaphene	8001-35-2	ug/L	10/20/2021										<0.2
Toxaphene	8001-35-2	ug/L	5/2/2022				<0.2						
Toxaphene	8001-35-2	ug/L	4/23/2025					<1.81					
Toxaphene	8001-35-2	ug/L	4/25/2025			<1.84					<1.80		
Toxaphene	8001-35-2	ug/L	5/5/2025									<1.81	
Toxaphene	8001-35-2	ug/L	5/6/2025	<1.80	<1.83								
Toxaphene	8001-35-2	ug/L	5/7/2025						<1.79				
Trichloroethene	79-01-6	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
Trichloroethene	79-01-6	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
Trichloroethene	79-01-6	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
Trichloroethene	79-01-6	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
Trichloroethene	79-01-6	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
Trichloroethene	79-01-6	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
Trichloroethene	79-01-6	ug/L	7/7/2009								<1	<1	
Trichloroethene	79-01-6	ug/L	9/2/2009								<1	<1	
Trichloroethene	79-01-6	ug/L	10/25/2009	<1	<1	<1	<1	<1	<1		<1	<1	
Trichloroethene	79-01-6	ug/L	1/2/2010								<1	<1	
Trichloroethene	79-01-6	ug/L	3/3/2010								<1	<1	<1
Trichloroethene	79-01-6	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
Trichloroethene	79-01-6	ug/L	7/8/2010										<1
Trichloroethene	79-01-6	ug/L	9/13/2010										<1
Trichloroethene	79-01-6	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
Trichloroethene	79-01-6	ug/L	4/4/2011										<1
Trichloroethene	79-01-6	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
Trichloroethene	79-01-6	ug/L	12/5/2011						<1				
Trichloroethene	79-01-6	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
Trichloroethene	79-01-6	ug/L	6/25/2012						<1				
Trichloroethene	79-01-6	ug/L	8/1/2012						<1	<1			
Trichloroethene	79-01-6	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	12/13/2012						<1	<1			
Trichloroethene	79-01-6	ug/L	2/4/2013						<1	<1			
Trichloroethene	79-01-6	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Trichloroethene	79-01-6	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/20/2018						<1				
Trichloroethene	79-01-6	ug/L	4/24/2018				<1	<1			<1		
Trichloroethene	79-01-6	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
Trichloroethene	79-01-6	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/20/2021						<1				0.4J
Trichloroethene	79-01-6	ug/L	5/2/2022				<1		<1	<1			<1
Trichloroethene	79-01-6	ug/L	10/14/2022						<1				<1
Trichloroethene	79-01-6	ug/L	5/1/2023				<1		<1	<1		<1	<1
Trichloroethene	79-01-6	ug/L	10/16/2023						<1				<1
Trichloroethene	79-01-6	ug/L	4/29/2024						<1	<1			<1
Trichloroethene	79-01-6	ug/L	10/10/2024										<1.00
Trichloroethene	79-01-6	ug/L	10/11/2024						<1.00				
Trichloroethene	79-01-6	ug/L	4/23/2025					<1.00					
Trichloroethene	79-01-6	ug/L	4/25/2025			<1.00					<1.00		
Trichloroethene	79-01-6	ug/L	4/28/2025										<1.00
Trichloroethene	79-01-6	ug/L	4/30/2025							<1.00			
Trichloroethene	79-01-6	ug/L	5/5/2025									<1.00	
Trichloroethene	79-01-6	ug/L	5/6/2025	<1.00	<1.00								
Trichloroethene	79-01-6	ug/L	5/7/2025						<1.00				
Trichlorofluoromethane	75-69-4	ug/L	2/27/2008	<4	<4	<4	<4	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	5/12/2008	<4	<4	<4	<4	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	7/13/2008	<4	<4	<4	<4	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	9/14/2008	<4	<4	<4	<4	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	11/17/2008	<4	<4	<4	<4	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	4/14/2009	<4	<4	<4	<4	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	7/7/2009								<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	9/2/2009								<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	10/25/2009	<4	<4	<4	<4	<4	<4		<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	1/2/2010								<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	3/3/2010								<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4			<4	<4
Trichlorofluoromethane	75-69-4	ug/L	7/8/2010										<4
Trichlorofluoromethane	75-69-4	ug/L	9/13/2010										<4
Trichlorofluoromethane	75-69-4	ug/L	11/1/2010	<4	<4	<4	<4	<4			<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	4/4/2011										<4
Trichlorofluoromethane	75-69-4	ug/L	10/13/2011	<4	<4	<4	<4	<4			<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	12/5/2011						<4				
Trichlorofluoromethane	75-69-4	ug/L	4/11/2012	<4	<4	<4	<4	<4	<4		<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	6/25/2012						<4				
Trichlorofluoromethane	75-69-4	ug/L	8/1/2012						<4	<4			
Trichlorofluoromethane	75-69-4	ug/L	10/11/2012	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	12/13/2012						<4	<4			
Trichlorofluoromethane	75-69-4	ug/L	2/4/2013						<4	<4			
Trichlorofluoromethane	75-69-4	ug/L	3/30/2013	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/7/2013	<4	<4		<4	<4	<4	<4	<4		<4
Trichlorofluoromethane	75-69-4	ug/L	6/2/2014	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/15/2014	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/6/2015	<4	<4	<4		<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/5/2015	<4	<4	<4		<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/4/2016	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Trichlorofluoromethane	75-69-4	ug/L	10/17/2016	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/17/2017	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/11/2017	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/20/2018						<4				
Trichlorofluoromethane	75-69-4	ug/L	4/24/2018				<4	<4			<4		
Trichlorofluoromethane	75-69-4	ug/L	4/25/2018	<4	<4	<4				<4		<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/16/2018	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/16/2019	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/1/2019	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	3/30/2020	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/7/2020	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	75-69-4	ug/L	10/20/2021						<1				<1
Trichlorofluoromethane	75-69-4	ug/L	5/2/2022				<1		<1	<1			<1
Trichlorofluoromethane	75-69-4	ug/L	10/14/2022						<1				<1
Trichlorofluoromethane	75-69-4	ug/L	5/1/2023				<4		<4	<4		<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/16/2023						<4				<4
Trichlorofluoromethane	75-69-4	ug/L	4/29/2024						<4	<4			<4
Trichlorofluoromethane	75-69-4	ug/L	10/10/2024										<4.00
Trichlorofluoromethane	75-69-4	ug/L	10/11/2024						<4.00				
Trichlorofluoromethane	75-69-4	ug/L	4/23/2025					<4.00					
Trichlorofluoromethane	75-69-4	ug/L	4/25/2025			<4.00					<4.00		
Trichlorofluoromethane	75-69-4	ug/L	4/28/2025										<4.00
Trichlorofluoromethane	75-69-4	ug/L	4/30/2025							<4.00			
Trichlorofluoromethane	75-69-4	ug/L	5/5/2025									<4.00	
Trichlorofluoromethane	75-69-4	ug/L	5/6/2025	<4.00	<4.00								
Trichlorofluoromethane	75-69-4	ug/L	5/7/2025						<4.00				
Vanadium	7440-62-2	mg/L	2/27/2008	<0.05	<0.05	<0.05	<0.05	<0.05	0.0642				
Vanadium	7440-62-2	mg/L	5/12/2008	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	7/13/2008	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	9/14/2008	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	11/17/2008	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	4/14/2009	<0.05	<0.05	0.0624	<0.05	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	7/7/2009			<0.05					<0.05	<0.05	
Vanadium	7440-62-2	mg/L	9/2/2009			<0.05					<0.05	<0.05	
Vanadium	7440-62-2	mg/L	10/25/2009	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	
Vanadium	7440-62-2	mg/L	1/2/2010			<0.05					<0.05	<0.05	
Vanadium	7440-62-2	mg/L	3/3/2010								<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	5/10/2010	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05
Vanadium	7440-62-2	mg/L	7/8/2010										<0.05
Vanadium	7440-62-2	mg/L	9/13/2010										<0.05
Vanadium	7440-62-2	mg/L	11/1/2010	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	
Vanadium	7440-62-2	mg/L	4/4/2011			<0.05							<0.05
Vanadium	7440-62-2	mg/L	10/13/2011	<0.05	<0.05	<0.05	<0.05	<0.05			<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	12/5/2011						<0.05				
Vanadium	7440-62-2	mg/L	4/11/2012	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	6/25/2012						<0.05				
Vanadium	7440-62-2	mg/L	8/1/2012						<0.05	<0.05			
Vanadium	7440-62-2	mg/L	10/11/2012	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.129
Vanadium	7440-62-2	mg/L	12/13/2012						<0.05	<0.05			
Vanadium	7440-62-2	mg/L	3/30/2013	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	10/7/2013	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	6/2/2014	<0.05	<0.05	<0.05	<0.05	<0.05	0.00343J	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	10/15/2014	0.00362J; 0.00379J	0.00376J	<0.05	<0.05	<0.05	0.00855J	0.00308J	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	4/6/2015	0.00174J	0.000472J	0.00101J		<0.005	0.000898J	0.00111J	<0.005	0.000584J	0.000489J
Vanadium	7440-62-2	mg/L	10/5/2015	0.00355J	<0.005	0.00109J		<0.005	0.00623	0.00128J	<0.005	0.00232J	<0.005
Vanadium	7440-62-2	mg/L	4/4/2016	0.000599J	<0.005	0.000947J	<0.005	<0.005	0.000663J	0.00109J	<0.005	0.000753J; 0.000799J	0.000373J
Vanadium	7440-62-2	mg/L	10/17/2016	0.00299J	0.000277J	0.0011J	<0.005	<0.005; 0.000261J	0.000763J	0.00146J	0.000362J	0.00216J	<0.005
Vanadium	7440-62-2	mg/L	4/17/2017	0.000949J	0.00085J; <0.005	0.0014J	<0.005	<0.005	<0.005	0.00131J	<0.005	0.00149J	<0.005
Vanadium	7440-62-2	mg/L	10/11/2017	<0.005	<0.005	0.00729	<0.005	<0.005	0.00504	0.00169J	<0.005	0.001J	<0.005
Vanadium	7440-62-2	mg/L	4/20/2018						0.003J				
Vanadium	7440-62-2	mg/L	4/24/2018				<0.005	<0.005			<0.005		
Vanadium	7440-62-2	mg/L	4/25/2018	0.00234J	<0.02	0.00247J				0.00149J		0.000698J	<0.005

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Vanadium	7440-62-2	mg/L	10/16/2018	0.00518	0.00303J; 0.00311J	0.00504	0.00354J	0.00398J	0.0117	0.0302	0.00348J	0.00421J	<0.005
Vanadium	7440-62-2	mg/L	4/16/2019	<0.005	<0.005	0.00115J	<0.005	<0.005	<0.005	0.00179J	<0.005	0.00174J	<0.005
Vanadium	7440-62-2	mg/L	10/1/2019	0.00125J	<0.005	0.00178J	<0.005	<0.005	0.00101J; 0.00087J	0.00183J	<0.005	0.00161J	<0.005
Vanadium	7440-62-2	mg/L	3/30/2020	0.00119J	<0.005	0.00177J	<0.005	<0.005	0.00118J	0.00157J	<0.005	0.00203J	<0.005
Vanadium	7440-62-2	mg/L	10/7/2020	<0.005	<0.005	0.00306J	<0.005	<0.005	<0.005	0.00275J	<0.005	0.00184J; 0.00183J	<0.005
Vanadium	7440-62-2	mg/L	4/13/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Vanadium	7440-62-2	mg/L	10/20/2021						<0.02				<0.02
Vanadium	7440-62-2	mg/L	5/2/2022				<0.02		<0.02	<0.02			<0.02
Vanadium	7440-62-2	mg/L	10/14/2022						<0.02				<0.02
Vanadium	7440-62-2	mg/L	5/1/2023						<0.005	0.00271J			0.00176J
Vanadium	7440-62-2	mg/L	10/16/2023						<0.005				<0.005
Vanadium	7440-62-2	mg/L	4/29/2024						<0.005	0.00144J			<0.005
Vanadium	7440-62-2	mg/L	10/10/2024										<0.00500
Vanadium	7440-62-2	mg/L	10/11/2024						<0.00500				
Vanadium	7440-62-2	mg/L	4/23/2025					<0.00500					
Vanadium	7440-62-2	mg/L	4/25/2025			<0.00500					<0.00500		
Vanadium	7440-62-2	mg/L	4/28/2025										<0.0250
Vanadium	7440-62-2	mg/L	4/30/2025							<0.00500			
Vanadium	7440-62-2	mg/L	5/5/2025									<0.00500	
Vanadium	7440-62-2	mg/L	5/6/2025	<0.00500	<0.00500								
Vanadium	7440-62-2	mg/L	5/7/2025						0.00545				
Vinyl Acetate	108-05-4	ug/L	2/27/2008	<2	<2	<2	<2	<2	<2				
Vinyl Acetate	108-05-4	ug/L	5/12/2008	<2.5	<2	<2.5	<2	<2.5	<2.5				
Vinyl Acetate	108-05-4	ug/L	7/13/2008	<2	<2	<2	<2	<2	<2				
Vinyl Acetate	108-05-4	ug/L	9/14/2008	<2	<2	<2	<2	<2	<2				
Vinyl Acetate	108-05-4	ug/L	11/17/2008	<2	<2	<2	<2	<2	<2				
Vinyl Acetate	108-05-4	ug/L	4/14/2009	<2	<2	<2	<2	<2	<2				
Vinyl Acetate	108-05-4	ug/L	7/7/2009								<2	<2	
Vinyl Acetate	108-05-4	ug/L	9/2/2009								<2	<2	
Vinyl Acetate	108-05-4	ug/L	10/25/2009	<2	<2	<2	<2	<2	<2		<2	<2	
Vinyl Acetate	108-05-4	ug/L	1/2/2010								<2	<2	
Vinyl Acetate	108-05-4	ug/L	3/3/2010								<2	<2	<2
Vinyl Acetate	108-05-4	ug/L	5/10/2010	<2	<2	<2	<2	<2	<2			<2	<2
Vinyl Acetate	108-05-4	ug/L	7/8/2010										<2
Vinyl Acetate	108-05-4	ug/L	9/13/2010										<2
Vinyl Acetate	108-05-4	ug/L	11/1/2010	<2	<5	<5	<2	<2			<2	<2	
Vinyl Acetate	108-05-4	ug/L	4/4/2011										<2
Vinyl Acetate	108-05-4	ug/L	10/13/2011	<50	<2	<10	<10	<10			<50	<10	<50
Vinyl Acetate	108-05-4	ug/L	12/5/2011						<2				
Vinyl Acetate	108-05-4	ug/L	4/11/2012	<20	<20	<20	<20	<2	<20		<20	<20	<2
Vinyl Acetate	108-05-4	ug/L	6/25/2012						<2				
Vinyl Acetate	108-05-4	ug/L	8/1/2012						<4	<20			
Vinyl Acetate	108-05-4	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<10	<10	<2
Vinyl Acetate	108-05-4	ug/L	12/13/2012						<2	<2			
Vinyl Acetate	108-05-4	ug/L	2/4/2013						<2	<2			
Vinyl Acetate	108-05-4	ug/L	3/30/2013	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Vinyl Acetate	108-05-4	ug/L	10/7/2013	<2	<2		<2	<2	<2	<2	<2		<2
Vinyl Acetate	108-05-4	ug/L	6/2/2014	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Vinyl Acetate	108-05-4	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/6/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/5/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/4/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/17/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/17/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/11/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/20/2018						<10				
Vinyl Acetate	108-05-4	ug/L	4/24/2018				<10	<10			<10		
Vinyl Acetate	108-05-4	ug/L	4/25/2018	<10	<10	<10				<10		<10	<10
Vinyl Acetate	108-05-4	ug/L	10/16/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/16/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Vinyl Acetate	108-05-4	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	108-05-4	ug/L	10/20/2021						<5				<5
Vinyl Acetate	108-05-4	ug/L	5/2/2022				<5		<5	<5			<5
Vinyl Acetate	108-05-4	ug/L	10/14/2022						<5				<5
Vinyl Acetate	108-05-4	ug/L	5/1/2023				<10		<10	<10		<10	<10
Vinyl Acetate	108-05-4	ug/L	10/16/2023						<10				<10
Vinyl Acetate	108-05-4	ug/L	4/29/2024						<10	<10			<10
Vinyl Chloride	75-01-4	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
Vinyl Chloride	75-01-4	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
Vinyl Chloride	75-01-4	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
Vinyl Chloride	75-01-4	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
Vinyl Chloride	75-01-4	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
Vinyl Chloride	75-01-4	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
Vinyl Chloride	75-01-4	ug/L	7/7/2009								<1	<1	
Vinyl Chloride	75-01-4	ug/L	9/2/2009								<1	<1	
Vinyl Chloride	75-01-4	ug/L	10/25/2009	<1	<1	<1	<1	<1	<1		<1	<1	
Vinyl Chloride	75-01-4	ug/L	1/2/2010								<1	<1	
Vinyl Chloride	75-01-4	ug/L	3/3/2010								<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
Vinyl Chloride	75-01-4	ug/L	7/8/2010										<1
Vinyl Chloride	75-01-4	ug/L	9/13/2010										<1
Vinyl Chloride	75-01-4	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
Vinyl Chloride	75-01-4	ug/L	4/4/2011										<1
Vinyl Chloride	75-01-4	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	12/5/2011						<1				
Vinyl Chloride	75-01-4	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	6/25/2012						<1				
Vinyl Chloride	75-01-4	ug/L	8/1/2012						<1	<1			
Vinyl Chloride	75-01-4	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	12/13/2012						<1	<1			
Vinyl Chloride	75-01-4	ug/L	2/4/2013						<1	<1			
Vinyl Chloride	75-01-4	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
Vinyl Chloride	75-01-4	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/6/2015	<1	<1	0.202J		<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	0.102J	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/4/2016	<1	0.2J	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/17/2016	<1	0.12J	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/17/2017	<1	0.422J; 0.371J	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/11/2017	<1	0.433J; 0.485J	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/20/2018						<1				
Vinyl Chloride	75-01-4	ug/L	4/24/2018				<1	<1			<1		
Vinyl Chloride	75-01-4	ug/L	4/25/2018	<1	0.317J	<1				<1		<1	<1
Vinyl Chloride	75-01-4	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/1/2019	<1	0.448J	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	3/30/2020	<1	0.385J	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/20/2021						<1				<1
Vinyl Chloride	75-01-4	ug/L	5/2/2022				<1		<1	<1			<1
Vinyl Chloride	75-01-4	ug/L	10/14/2022						<1				<1
Vinyl Chloride	75-01-4	ug/L	5/1/2023				<1		<1	<1		<1	<1
Vinyl Chloride	75-01-4	ug/L	10/16/2023						<1				<1
Vinyl Chloride	75-01-4	ug/L	4/29/2024						<1	<1			<1
Vinyl acetate	108-05-4	ug/L	10/10/2024										<10.0
Vinyl acetate	108-05-4	ug/L	10/11/2024						<10.0				
Vinyl acetate	108-05-4	ug/L	4/23/2025					<10.0					
Vinyl acetate	108-05-4	ug/L	4/25/2025			<10.0					<10.0		
Vinyl acetate	108-05-4	ug/L	4/28/2025										<10.0
Vinyl acetate	108-05-4	ug/L	4/30/2025							<10.0			
Vinyl acetate	108-05-4	ug/L	5/5/2025									<10.0	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Vinyl acetate	108-05-4	ug/L	5/6/2025	<10.0	<10.0								
Vinyl acetate	108-05-4	ug/L	5/7/2025						<10.0				
Vinyl chloride	75-01-4	ug/L	10/10/2024										<1.00
Vinyl chloride	75-01-4	ug/L	10/11/2024						<1.00				
Vinyl chloride	75-01-4	ug/L	4/23/2025					<1.00					
Vinyl chloride	75-01-4	ug/L	4/25/2025			<1.00					<1.00		
Vinyl chloride	75-01-4	ug/L	4/28/2025										<1.00
Vinyl chloride	75-01-4	ug/L	4/30/2025							<1.00			
Vinyl chloride	75-01-4	ug/L	5/5/2025									<1.00	
Vinyl chloride	75-01-4	ug/L	5/6/2025	<1.00	0.217								
Vinyl chloride	75-01-4	ug/L	5/7/2025						<1.00				
Xylenes, Total	1330-20-7	ug/L	2/27/2008	<3	<3	<3	<3	<3	<3				
Xylenes, Total	1330-20-7	ug/L	5/12/2008	<3	<3	<3	<3	<3	<3				
Xylenes, Total	1330-20-7	ug/L	7/13/2008	<3	<3	<3	<3	<3	<3				
Xylenes, Total	1330-20-7	ug/L	9/14/2008	<3	<3	<3	<3	<3	<3				
Xylenes, Total	1330-20-7	ug/L	11/17/2008	<3	<3	<3	<3	<3	<3				
Xylenes, Total	1330-20-7	ug/L	4/14/2009	<3	<3	<3	<3	<3	<3				
Xylenes, Total	1330-20-7	ug/L	7/7/2009								<3	<3	
Xylenes, Total	1330-20-7	ug/L	9/2/2009								<3	<3	
Xylenes, Total	1330-20-7	ug/L	10/25/2009	<6	<6	<6	<6	<3	<6		<6	<6	
Xylenes, Total	1330-20-7	ug/L	1/2/2010								<3	<3	
Xylenes, Total	1330-20-7	ug/L	3/3/2010								<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	5/10/2010	<12	<12	<12	<12	<12	<12			<12	<12
Xylenes, Total	1330-20-7	ug/L	7/8/2010										<3
Xylenes, Total	1330-20-7	ug/L	9/13/2010										<3
Xylenes, Total	1330-20-7	ug/L	11/1/2010	<3	<3	<3	<3	<3			<3	<3	
Xylenes, Total	1330-20-7	ug/L	4/4/2011										<3
Xylenes, Total	1330-20-7	ug/L	10/13/2011	<3	<3	<3	<3	<3			<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	12/5/2011						<3				
Xylenes, Total	1330-20-7	ug/L	4/11/2012	<3	<3	<3	<3	<3	<3		<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	6/25/2012						<3				
Xylenes, Total	1330-20-7	ug/L	8/1/2012						<3	<3			
Xylenes, Total	1330-20-7	ug/L	10/11/2012	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	12/13/2012						<3	<3			
Xylenes, Total	1330-20-7	ug/L	2/4/2013						<3	<3			
Xylenes, Total	1330-20-7	ug/L	3/30/2013	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/7/2013	<3	<3		<3	<3	<3	<3	<3		<3
Xylenes, Total	1330-20-7	ug/L	6/2/2014	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/15/2014	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	4/6/2015	<3	<3	<3		<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/5/2015	<3	<3	<3		<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	4/4/2016	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/17/2016	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	4/17/2017	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/11/2017	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	4/20/2018						<3				
Xylenes, Total	1330-20-7	ug/L	4/24/2018				<3	<3			<3		
Xylenes, Total	1330-20-7	ug/L	4/25/2018	<3	<3	<3				<3		<3	<3
Xylenes, Total	1330-20-7	ug/L	10/16/2018	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	4/16/2019	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/1/2019	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	3/30/2020	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/7/2020	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	4/13/2021	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Xylenes, Total	1330-20-7	ug/L	10/20/2021						<2				<2
Xylenes, Total	1330-20-7	ug/L	5/2/2022				<2		<2	<2			<2
Xylenes, Total	1330-20-7	ug/L	10/14/2022						<2				<2
Xylenes, Total	1330-20-7	ug/L	5/1/2023				<3		<3	<3		<3	<3
Xylenes, Total	1330-20-7	ug/L	10/16/2023						<3				<3
Xylenes, Total	1330-20-7	ug/L	4/29/2024						<3	<3			<3
Xylenes, Total	1330-20-7	ug/L	10/10/2024										<3.00
Xylenes, Total	1330-20-7	ug/L	10/11/2024						<3.00				
Xylenes, Total	1330-20-7	ug/L	4/23/2025					<3.00					

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Xylenes, Total	1330-20-7	ug/L	4/25/2025			<3.00					<3.00		
Xylenes, Total	1330-20-7	ug/L	4/28/2025										<3.00
Xylenes, Total	1330-20-7	ug/L	4/30/2025							<3.00			
Xylenes, Total	1330-20-7	ug/L	5/5/2025									<3.00	
Xylenes, Total	1330-20-7	ug/L	5/6/2025	<3.00	<3.00								
Xylenes, Total	1330-20-7	ug/L	5/7/2025						<3.00				
Zinc	7440-66-6	mg/L	2/27/2008	<0.1	<0.1	<0.1	<0.1	<0.1	0.101				
Zinc	7440-66-6	mg/L	5/12/2008	<0.1	0.167	<0.1	<0.1	<0.1	<0.1				
Zinc	7440-66-6	mg/L	7/13/2008	0.164	<0.1	<0.1	<0.1	<0.1	<0.1				
Zinc	7440-66-6	mg/L	9/14/2008	<0.1	0.116	0.126	<0.1	<0.1	<0.1				
Zinc	7440-66-6	mg/L	11/17/2008	0.131	0.0671	0.0316	0.0225	0.0289	<0.02				
Zinc	7440-66-6	mg/L	4/14/2009	<0.1	<0.1	0.146	<0.1	<0.1	<0.1				
Zinc	7440-66-6	mg/L	7/7/2009			<0.1					<0.1	<0.1	
Zinc	7440-66-6	mg/L	9/2/2009			<0.1					<0.1	<0.1	
Zinc	7440-66-6	mg/L	10/25/2009	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	
Zinc	7440-66-6	mg/L	1/2/2010			<0.1					<0.1	<0.1	
Zinc	7440-66-6	mg/L	3/3/2010								<0.1	<0.1	0.12
Zinc	7440-66-6	mg/L	5/10/2010	0.0765	0.0224	0.0745	<0.02	0.0273	<0.02			<0.02	0.0306
Zinc	7440-66-6	mg/L	7/8/2010								<0.1		<0.1
Zinc	7440-66-6	mg/L	9/13/2010								<0.1		<0.1
Zinc	7440-66-6	mg/L	11/1/2010								<0.1	<0.1	
Zinc	7440-66-6	mg/L	1/10/2011								0.0708		
Zinc	7440-66-6	mg/L	4/4/2011								<0.1	<0.1	0.0819
Zinc	7440-66-6	mg/L	7/8/2011										<0.1
Zinc	7440-66-6	mg/L	8/11/2011										<0.1
Zinc	7440-66-6	mg/L	10/13/2011	0.0488	<0.02	<0.02	<0.02	<0.02			0.0262	<0.02	0.027
Zinc	7440-66-6	mg/L	12/5/2011						<0.02				<0.02
Zinc	7440-66-6	mg/L	4/11/2012	0.041	0.0233	<0.02	<0.02	<0.02	0.0373		<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	6/25/2012						<0.02				
Zinc	7440-66-6	mg/L	8/1/2012						<0.02	<0.02			
Zinc	7440-66-6	mg/L	10/11/2012	0.0409	<0.02	0.0539	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.196
Zinc	7440-66-6	mg/L	12/13/2012						0.0407	0.0208			
Zinc	7440-66-6	mg/L	3/30/2013	0.111	0.0499	0.0505	0.0571	0.0391	0.032	<0.02	0.065	0.0328	0.0818
Zinc	7440-66-6	mg/L	10/7/2013	0.0945	0.0968	0.258	0.129	0.134	0.161	0.0269	0.135	0.152	0.193
Zinc	7440-66-6	mg/L	6/2/2014	<0.02	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/15/2014	<0.02	<0.02	<0.02	<0.02	<0.02	0.0326	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	4/6/2015	0.0138	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	7440-66-6	mg/L	10/5/2015	0.0114	<0.01	<0.01		0.0085J	0.0335	<0.01	<0.01	<0.01	<0.01
Zinc	7440-66-6	mg/L	4/4/2016	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00755J; <0.01	0.0348
Zinc	7440-66-6	mg/L	10/17/2016	0.0117	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00594J	0.0171	<0.01
Zinc	7440-66-6	mg/L	4/17/2017	0.0301	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/11/2017	<0.02	<0.02	<0.02	0.0144J	<0.02	0.022	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	4/20/2018						<0.02				
Zinc	7440-66-6	mg/L	4/24/2018				<0.02	<0.02			<0.02		
Zinc	7440-66-6	mg/L	4/25/2018	0.039	<0.08	<0.02				<0.02		<0.02	<0.02
Zinc	7440-66-6	mg/L	10/16/2018	0.0408	<0.02	<0.02	<0.02	<0.02	0.0159J	0.0324	0.00825J	<0.02	<0.02
Zinc	7440-66-6	mg/L	4/16/2019	0.0327	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/1/2019	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	3/30/2020	0.0191J	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/7/2020	0.0128J	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	4/13/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/20/2021						<0.02				<0.02
Zinc	7440-66-6	mg/L	5/2/2022				<0.02		<0.02	<0.02			<0.02
Zinc	7440-66-6	mg/L	10/14/2022						<0.02				<0.02
Zinc	7440-66-6	mg/L	5/1/2023						<0.02	<0.02			<0.02
Zinc	7440-66-6	mg/L	10/16/2023						<0.02				0.0151J
Zinc	7440-66-6	mg/L	4/29/2024						<0.02	<0.02			<0.02
Zinc	7440-66-6	mg/L	10/10/2024										<0.0200
Zinc	7440-66-6	mg/L	10/11/2024						<0.0200				
Zinc	7440-66-6	mg/L	4/23/2025					<0.0200					
Zinc	7440-66-6	mg/L	4/25/2025			<0.0200					<0.0200		
Zinc	7440-66-6	mg/L	4/28/2025										<0.100
Zinc	7440-66-6	mg/L	4/30/2025							<0.0200			

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
Zinc	7440-66-6	mg/L	5/5/2025									<0.0200	
Zinc	7440-66-6	mg/L	5/6/2025	0.0153	<0.0200								
Zinc	7440-66-6	mg/L	5/7/2025						<0.0200				
alpha-BHC	319-84-6	ug/L	4/23/2025					<0.0904					
alpha-BHC	319-84-6	ug/L	4/25/2025			<0.0921					<0.0902		
alpha-BHC	319-84-6	ug/L	5/5/2025									<0.0904	
alpha-BHC	319-84-6	ug/L	5/6/2025	<0.0900	<0.0916								
alpha-BHC	319-84-6	ug/L	5/7/2025						<0.0897				
beta-BHC	319-85-7	ug/L	4/23/2025					<0.0904					
beta-BHC	319-85-7	ug/L	4/25/2025			<0.0921					<0.0902		
beta-BHC	319-85-7	ug/L	5/5/2025									<0.0904	
beta-BHC	319-85-7	ug/L	5/6/2025	<0.0900	<0.0916								
beta-BHC	319-85-7	ug/L	5/7/2025						<0.0897				
bis (2-chloroisopropyl) ether	108-60-1	ug/L	4/23/2025					<10.4					
bis (2-chloroisopropyl) ether	108-60-1	ug/L	4/25/2025			<10.4					<10.2		
bis (2-chloroisopropyl) ether	108-60-1	ug/L	5/5/2025									<10.0	
bis (2-chloroisopropyl) ether	108-60-1	ug/L	5/6/2025	<10.4	<10.4								
bis (2-chloroisopropyl) ether	108-60-1	ug/L	5/7/2025						<10.6				
cis-1,2-Dichloroethene	156-59-2	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	7/7/2009								<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	9/2/2009								<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	10/25/2009	<1	<1	<1	<1	<1	<1		<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	1/2/2010								<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	3/3/2010								<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	7/8/2010										<1
cis-1,2-Dichloroethene	156-59-2	ug/L	9/13/2010										<1
cis-1,2-Dichloroethene	156-59-2	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	4/4/2011										<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	12/5/2011						<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	6/25/2012						<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	8/1/2012						<1	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	12/13/2012						<1	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	2/4/2013						<1	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
cis-1,2-Dichloroethene	156-59-2	ug/L	6/2/2014	<1	<1	0.344J	<1	<1	<1	<1	0.381J	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/5/2015	<1	<1	0.203J		0.18J	<1	<1	0.712J	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	0.177J	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/17/2016	<1	0.34J	<1	<1	<1	<1	<1	0.341J	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/11/2017	<1	0.243J; <1	<1	<1	<1	<1	<1	0.224J	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/20/2018						<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/24/2018				<1	<1			0.292J		
cis-1,2-Dichloroethene	156-59-2	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/20/2021						<1				<1
cis-1,2-Dichloroethene	156-59-2	ug/L	5/2/2022				<1		<1	<1			<1

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
cis-1,2-Dichloroethene	156-59-2	ug/L	10/14/2022						<1				<1
cis-1,2-Dichloroethene	156-59-2	ug/L	5/1/2023				<1		<1	<1		<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/16/2023						<1				<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/29/2024						<1	<1			<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/10/2024										<1.00
cis-1,2-Dichloroethene	156-59-2	ug/L	10/11/2024						<1.00				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/23/2025					<1.00					
cis-1,2-Dichloroethene	156-59-2	ug/L	4/25/2025			<1.00					<1.00		
cis-1,2-Dichloroethene	156-59-2	ug/L	4/28/2025										<1.00
cis-1,2-Dichloroethene	156-59-2	ug/L	4/30/2025							<1.00			
cis-1,2-Dichloroethene	156-59-2	ug/L	5/5/2025									<1.00	
cis-1,2-Dichloroethene	156-59-2	ug/L	5/6/2025	<1.00	<1.00								
cis-1,2-Dichloroethene	156-59-2	ug/L	5/7/2025						<1.00				
cis-1,3-Dichloropropene	10061-01-5	ug/L	2/27/2008	<5	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/12/2008	<5	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	7/13/2008	<5	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	9/14/2008	<5	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	11/17/2008	<5	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/14/2009	<5	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	7/7/2009								<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	9/2/2009								<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/25/2009	<5	<5	<5	<5	<5	<5		<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	1/2/2010								<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/3/2010								<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/10/2010	<5	<5	<5	<5	<5	<5			<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	7/8/2010										<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	9/13/2010										<10
cis-1,3-Dichloropropene	10061-01-5	ug/L	11/1/2010	<5	<5	<5	<5	<5			<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/4/2011										<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/13/2011	<5	<5	<5	<5	<5			<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	12/5/2011						<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/11/2012	<5	<5	<5	<5	<5	<5		<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	6/25/2012						<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	8/1/2012						<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/11/2012	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	12/13/2012						<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	2/4/2013						<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/30/2013	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/7/2013	<5	<5		<5	<5	<5	<5	<5		<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	6/2/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/6/2015	<5	<5	<5		<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/5/2015	<5	<5	<5		<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/4/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/17/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/17/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/11/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/20/2018						<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/24/2018				<5	<5			<5		
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/25/2018	<5	<5	<5				<5		<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/16/2018	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/16/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/20/2021						<1				<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/2/2022				<1		<1	<1			<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/14/2022						<1				<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/1/2023				<5		<5	<5		<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/16/2023						<5				<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/29/2024						<5	<5			<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/10/2024										<5.00

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/11/2024						<5.00				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/23/2025					<5.00					
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/25/2025			<5.00					<5.00		
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/28/2025										<5.00
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/30/2025							<5.00			
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/5/2025									<5.00	
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/6/2025	<5.00	<5.00								
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/7/2025						<5.00				
delta-BHC	319-86-8	ug/L	4/23/2025					<0.0904					
delta-BHC	319-86-8	ug/L	4/25/2025			<0.0921					<0.0902		
delta-BHC	319-86-8	ug/L	5/5/2025									<0.0904	
delta-BHC	319-86-8	ug/L	5/6/2025	<0.0900	<0.0916								
delta-BHC	319-86-8	ug/L	5/7/2025						<0.0897				
gamma-BHC (Lindane)	58-89-9	ug/L	4/23/2025					<0.0904					
gamma-BHC (Lindane)	58-89-9	ug/L	4/25/2025			<0.0921					<0.0902		
gamma-BHC (Lindane)	58-89-9	ug/L	5/5/2025									<0.0904	
gamma-BHC (Lindane)	58-89-9	ug/L	5/6/2025	<0.0900	<0.0916								
gamma-BHC (Lindane)	58-89-9	ug/L	5/7/2025						<0.0897				
m/p-Cresol	T-34MP	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
m/p-Cresol	T-34MP	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
m/p-Cresol	T-34MP	ug/L	4/4/2011										<10
m/p-Cresol	T-34MP	ug/L	10/15/2014								<10		
m/p-Cresol	T-34MP	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
m/p-Cresol	T-34MP	ug/L	4/4/2016										<10.3
m/p-Cresol	T-34MP	ug/L	4/17/2017				<11						
m/p-Cresol	T-34MP	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
m/p-Cresol	T-34MP	ug/L	10/20/2021										<8
m/p-Cresol	T-34MP	ug/L	5/2/2022				<8						
o,o',o''-Triethylphosphorothioate	126-68-1	ug/L	4/23/2025					<10.4					
o,o',o''-Triethylphosphorothioate	126-68-1	ug/L	4/25/2025			<10.4					<10.2		
o,o',o''-Triethylphosphorothioate	126-68-1	ug/L	5/5/2025									<10.0	
o,o',o''-Triethylphosphorothioate	126-68-1	ug/L	5/6/2025	<10.4	<10.4								
o,o',o''-Triethylphosphorothioate	126-68-1	ug/L	5/7/2025						<10.6				
o-Toluidine	95-53-4	ug/L	4/23/2025					<10.4					
o-Toluidine	95-53-4	ug/L	4/25/2025			<10.4					<10.2		
o-Toluidine	95-53-4	ug/L	5/5/2025									<10.0	
o-Toluidine	95-53-4	ug/L	5/6/2025	<10.4	<10.4								
o-Toluidine	95-53-4	ug/L	5/7/2025						<10.6				
p-Chloroaniline	106-47-8	ug/L	4/14/2009	<10	<10	<10	<10	<20	<10				
p-Chloroaniline	106-47-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	
p-Chloroaniline	106-47-8	ug/L	4/4/2011										<10
p-Chloroaniline	106-47-8	ug/L	10/15/2014								<10		
p-Chloroaniline	106-47-8	ug/L	10/5/2015	<10.3	<10	<10		<10.3	<10.8		<10.9	<10	
p-Chloroaniline	106-47-8	ug/L	4/4/2016										<10.3
p-Chloroaniline	106-47-8	ug/L	4/17/2017				<11						
p-Chloroaniline	106-47-8	ug/L	3/30/2020	<10.4	<10.4	<10.2		<10.2	<10.3		<10.4	<10.4	
p-Chloroaniline	106-47-8	ug/L	10/20/2021										<8
p-Chloroaniline	106-47-8	ug/L	5/2/2022				<8						
p-Dimethylamino azobenzene	60-11-7	ug/L	4/23/2025					<10.4					
p-Dimethylamino azobenzene	60-11-7	ug/L	4/25/2025			<10.4					<10.2		
p-Dimethylamino azobenzene	60-11-7	ug/L	5/5/2025									<10.0	
p-Dimethylamino azobenzene	60-11-7	ug/L	5/6/2025	<10.4	<10.4								
p-Dimethylamino azobenzene	60-11-7	ug/L	5/7/2025						<10.6				
trans-1,2-Dichloroethene	156-60-5	ug/L	2/27/2008	<1	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	5/12/2008	<1	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	7/13/2008	<1	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	9/14/2008	<1	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	11/17/2008	<1	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/14/2009	<1	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	7/7/2009								<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	9/2/2009								<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	10/25/2009	<1	<1	<1	<1	<1	<1		<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	1/2/2010								<1	<1	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
trans-1,2-Dichloroethene	156-60-5	ug/L	3/3/2010								<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1			<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	7/8/2010										<1
trans-1,2-Dichloroethene	156-60-5	ug/L	9/13/2010										<1
trans-1,2-Dichloroethene	156-60-5	ug/L	11/1/2010	<1	<1	<1	<1	<1			<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	4/4/2011										<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/13/2011	<1	<1	<1	<1	<1			<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	12/5/2011						<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1		<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	6/25/2012						<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	8/1/2012						<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	12/13/2012						<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	2/4/2013						<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/7/2013	<1	<1		<1	<1	<1	<1	<1		<1
trans-1,2-Dichloroethene	156-60-5	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/6/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/5/2015	<1	<1	<1		<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/20/2018						<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/24/2018				<1	<1			<1		
trans-1,2-Dichloroethene	156-60-5	ug/L	4/25/2018	<1	<1	<1				<1		<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/20/2021						<1				<1
trans-1,2-Dichloroethene	156-60-5	ug/L	5/2/2022				<1		<1	<1			<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/14/2022						<1				<1
trans-1,2-Dichloroethene	156-60-5	ug/L	5/1/2023				<1		<1	<1		<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/16/2023						<1				<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/29/2024						<1	<1			<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/10/2024										<1.00
trans-1,2-Dichloroethene	156-60-5	ug/L	10/11/2024						<1.00				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/23/2025					<1.00					
trans-1,2-Dichloroethene	156-60-5	ug/L	4/25/2025			<1.00					<1.00		
trans-1,2-Dichloroethene	156-60-5	ug/L	4/28/2025										<1.00
trans-1,2-Dichloroethene	156-60-5	ug/L	4/30/2025							<1.00			
trans-1,2-Dichloroethene	156-60-5	ug/L	5/5/2025									<1.00	
trans-1,2-Dichloroethene	156-60-5	ug/L	5/6/2025	<1.00	<1.00								
trans-1,2-Dichloroethene	156-60-5	ug/L	5/7/2025						<1.00				
trans-1,3-Dichloropropene	10061-02-6	ug/L	2/27/2008	<5	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/12/2008	<5	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	7/13/2008	<5	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	9/14/2008	<5	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	11/17/2008	<5	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/14/2009	<5	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	7/7/2009								<5	<5	
trans-1,3-Dichloropropene	10061-02-6	ug/L	9/2/2009								<5	<5	
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/25/2009	<5	<5	<5	<5	<10	<5		<5	<5	
trans-1,3-Dichloropropene	10061-02-6	ug/L	1/2/2010								<10	<10	
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/3/2010								<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/10/2010	<5	<5	<5	<5	<5	<5			<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	7/8/2010										<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	9/13/2010										<10
trans-1,3-Dichloropropene	10061-02-6	ug/L	11/1/2010	<10	<5	<5	<10	<10			<5	<10	

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/4/2011										<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/13/2011	<5	<5	<5	<5	<5			<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	12/5/2011						<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/11/2012	<5	<5	<5	<5	<5	<5		<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	6/25/2012						<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	8/1/2012						<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/11/2012	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	12/13/2012						<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	2/4/2013						<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/30/2013	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/7/2013	<5	<5		<5	<5	<5	<5	<5		<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	6/2/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/6/2015	<5	<5	<5		<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/5/2015	<5	<5	<5		<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/4/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/17/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/17/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/11/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/20/2018						<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/24/2018				<5	<5			<5		
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/25/2018	<5	<5	<5				<5		<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/16/2018	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/16/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/20/2021						<1				<1
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/2/2022				0.4J		<1	<1			<1
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/14/2022						<1				<1
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/1/2023				<5		<5	<5		<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/16/2023						<5				<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/29/2024						<5	<5			<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/10/2024										<5.00
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/11/2024						<5.00				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/23/2025					<5.00					
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/25/2025			<5.00					<5.00		
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/28/2025										<5.00
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/30/2025							<5.00			
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/5/2025									<5.00	
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/6/2025	<5.00	<5.00								
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/7/2025						<5.00				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	2/27/2008	<10	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/12/2008	<10	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	7/13/2008	<10	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	9/14/2008	<10	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	11/17/2008	<10	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/14/2009	<10	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	7/7/2009								<10	<10	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	9/2/2009								<10	<10	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10		<10	<10	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	1/2/2010								<10	<10	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/3/2010								<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10			<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	7/8/2010										<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	9/13/2010										<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	11/1/2010	<10	<10	<10	<10	<10			<10	<10	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/4/2011										<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/13/2011	<10	<10	<10	<10	<10			<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	12/5/2011						<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/11/2012	<20	<20	<20	<20	<10	<10		<20	<20	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	6/25/2012						<10				

Table 9A
Analytical Data Summary - Series B HMSP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-5B	MW-7B1	MW-8B	MW-12B	MW-14B	MW-31B	MW-39B	MW-208B	MW-210B	MW-211B
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	8/1/2012						<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	12/13/2012						<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	2/4/2013						<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/7/2013	<10	<10		<10	<10	<10	<10	<10		<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	6/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/6/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/5/2015	<10	<10	<10		<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/4/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/17/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/17/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/11/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/20/2018						<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/24/2018				<10	<10			<10		
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/25/2018	<10	<10	<10				<10		<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/16/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/16/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/20/2021						<5				<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/2/2022				<5		<5	<5			<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/14/2022						<5				<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/1/2023				<10		<10	<10		<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/16/2023						<10				<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/29/2024						<10	<10			<10
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	10/10/2024										<10.0
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	10/11/2024						<10.0				
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	4/23/2025					<10.0					
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	4/25/2025			<10.0					<10.0		
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	4/28/2025										<10.0
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	4/30/2025							<10.0			
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	5/5/2025									<10.0	
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	5/6/2025	<10.0	<10.0								
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	5/7/2025						<10.0				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	2/27/2008				<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/12/2008				<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	7/13/2008				<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	9/14/2008				<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	11/17/2008				<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/14/2009				<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/25/2009				<1	<2				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/10/2010				<4	<4				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	11/1/2010				<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	12/7/2010						<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/13/2011				<1	<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/11/2012				<1	<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/11/2012				<1	<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/30/2013				<1	<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/7/2013				<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	6/2/2014				<1	<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/15/2014				<1	<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/6/2015					<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/5/2015					<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/4/2016					<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/17/2016					<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/17/2017					<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/11/2017					<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/20/2018					<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/16/2018					<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/16/2019					<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/1/2019					<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/30/2020					<10				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/7/2020					<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/13/2021					<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/29/2025					<1.00				
1,1,1-Trichloroethane	71-55-6	ug/L	2/27/2008				<1	14.7				
1,1,1-Trichloroethane	71-55-6	ug/L	5/12/2008				<1	14.4				
1,1,1-Trichloroethane	71-55-6	ug/L	7/13/2008				<1	12.1				
1,1,1-Trichloroethane	71-55-6	ug/L	9/14/2008				<1	14.3				
1,1,1-Trichloroethane	71-55-6	ug/L	11/17/2008				<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	4/14/2009				<1	18				
1,1,1-Trichloroethane	71-55-6	ug/L	7/7/2009					16.2				
1,1,1-Trichloroethane	71-55-6	ug/L	9/2/2009					18.2				
1,1,1-Trichloroethane	71-55-6	ug/L	10/25/2009				<1	16.8				
1,1,1-Trichloroethane	71-55-6	ug/L	1/2/2010					16.3				
1,1,1-Trichloroethane	71-55-6	ug/L	5/10/2010				<4	17.2				
1,1,1-Trichloroethane	71-55-6	ug/L	11/1/2010				<1	21.8				
1,1,1-Trichloroethane	71-55-6	ug/L	12/7/2010						<1			
1,1,1-Trichloroethane	71-55-6	ug/L	4/4/2011					22.2				
1,1,1-Trichloroethane	71-55-6	ug/L	10/13/2011				<1	21.1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	4/11/2012				<1	17.4	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	10/11/2012				<1	14.6	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	3/30/2013				<1	16.6	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	10/7/2013				<1	14.7				
1,1,1-Trichloroethane	71-55-6	ug/L	6/2/2014				<1	14.2	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	10/15/2014				<1	16.3	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	4/6/2015					12.9				
1,1,1-Trichloroethane	71-55-6	ug/L	10/5/2015					9.85				
1,1,1-Trichloroethane	71-55-6	ug/L	4/4/2016					6.29				
1,1,1-Trichloroethane	71-55-6	ug/L	10/17/2016					9.28				
1,1,1-Trichloroethane	71-55-6	ug/L	4/17/2017					<1				
1,1,1-Trichloroethane	71-55-6	ug/L	10/11/2017					2.81				
1,1,1-Trichloroethane	71-55-6	ug/L	4/20/2018					3.1				
1,1,1-Trichloroethane	71-55-6	ug/L	10/16/2018					4.42				
1,1,1-Trichloroethane	71-55-6	ug/L	4/16/2019					1.12				
1,1,1-Trichloroethane	71-55-6	ug/L	10/1/2019					0.932J				
1,1,1-Trichloroethane	71-55-6	ug/L	3/30/2020					<10				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
1,1,1-Trichloroethane	71-55-6	ug/L	10/7/2020					0.334J				
1,1,1-Trichloroethane	71-55-6	ug/L	4/13/2021					<1				
1,1,1-Trichloroethane	71-55-6	ug/L	4/29/2025					<1.00				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	2/27/2008				<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/12/2008				<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	7/13/2008				<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	9/14/2008				<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	11/17/2008				<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/14/2009				<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/25/2009				<1	<2				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/10/2010				<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	11/1/2010				<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	12/7/2010						<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/13/2011				<1	<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/11/2012				<1	<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/11/2012				<1	<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/30/2013				<1	<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/7/2013				<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	6/2/2014				<1	<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/15/2014				<1	<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/6/2015					<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/5/2015					<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/4/2016					<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/17/2016					<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/17/2017					<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/11/2017					<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/20/2018					<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/16/2018					<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/16/2019					<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/1/2019					<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/30/2020					<10				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/7/2020					<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/13/2021					<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/29/2025					<1.00				
1,1,2-Trichloroethane	79-00-5	ug/L	2/27/2008				<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	5/12/2008				<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	7/13/2008				<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	9/14/2008				<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	11/17/2008				<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	4/14/2009				<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	10/25/2009				<1	<2				
1,1,2-Trichloroethane	79-00-5	ug/L	5/10/2010				<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	11/1/2010				<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	12/7/2010						<1			
1,1,2-Trichloroethane	79-00-5	ug/L	10/13/2011				<1	<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	4/11/2012				<1	<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	10/11/2012				<1	<2	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	3/30/2013				<1	<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	10/7/2013				<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	6/2/2014				<1	<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	10/15/2014				<1	<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	4/6/2015					<1				
1,1,2-Trichloroethane	79-00-5	ug/L	10/5/2015					<1				
1,1,2-Trichloroethane	79-00-5	ug/L	4/4/2016					<1				
1,1,2-Trichloroethane	79-00-5	ug/L	10/17/2016					<1				
1,1,2-Trichloroethane	79-00-5	ug/L	4/17/2017					<1				
1,1,2-Trichloroethane	79-00-5	ug/L	10/11/2017					<1				
1,1,2-Trichloroethane	79-00-5	ug/L	4/20/2018					<1				
1,1,2-Trichloroethane	79-00-5	ug/L	10/16/2018					<1				
1,1,2-Trichloroethane	79-00-5	ug/L	4/16/2019					<1				
1,1,2-Trichloroethane	79-00-5	ug/L	10/1/2019					<1				
1,1,2-Trichloroethane	79-00-5	ug/L	3/30/2020					<10				
1,1,2-Trichloroethane	79-00-5	ug/L	10/7/2020					<1				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
1,1,2-Trichloroethane	79-00-5	ug/L	4/13/2021					<1				
1,1,2-Trichloroethane	79-00-5	ug/L	4/29/2025					<1.00				
1,1-Dichloroethane	75-34-3	ug/L	2/27/2008				<1	6.16				
1,1-Dichloroethane	75-34-3	ug/L	5/12/2008				<1	8.39				
1,1-Dichloroethane	75-34-3	ug/L	7/13/2008				<1	11.4				
1,1-Dichloroethane	75-34-3	ug/L	9/14/2008				<1	15.4				
1,1-Dichloroethane	75-34-3	ug/L	11/17/2008				<1	<1				
1,1-Dichloroethane	75-34-3	ug/L	4/14/2009				<1	18.3				
1,1-Dichloroethane	75-34-3	ug/L	7/7/2009					25.9				
1,1-Dichloroethane	75-34-3	ug/L	9/2/2009					25.2				
1,1-Dichloroethane	75-34-3	ug/L	10/25/2009				<1	22.7				
1,1-Dichloroethane	75-34-3	ug/L	1/2/2010					30.9				
1,1-Dichloroethane	75-34-3	ug/L	5/10/2010				<1	42.4				
1,1-Dichloroethane	75-34-3	ug/L	11/1/2010				<1	60.4				
1,1-Dichloroethane	75-34-3	ug/L	12/7/2010						<1			
1,1-Dichloroethane	75-34-3	ug/L	4/4/2011					68.6				
1,1-Dichloroethane	75-34-3	ug/L	10/13/2011				<1	79.8	<1			
1,1-Dichloroethane	75-34-3	ug/L	4/11/2012				<1	90.8	<1			
1,1-Dichloroethane	75-34-3	ug/L	10/11/2012				<1	84.6	<1			
1,1-Dichloroethane	75-34-3	ug/L	3/30/2013				<1	117	<1			
1,1-Dichloroethane	75-34-3	ug/L	10/7/2013				<1	133				
1,1-Dichloroethane	75-34-3	ug/L	6/2/2014				<1	200	<1			
1,1-Dichloroethane	75-34-3	ug/L	10/15/2014				<1	238	<1			
1,1-Dichloroethane	75-34-3	ug/L	4/6/2015					199				
1,1-Dichloroethane	75-34-3	ug/L	10/5/2015					218				
1,1-Dichloroethane	75-34-3	ug/L	4/4/2016					263				
1,1-Dichloroethane	75-34-3	ug/L	10/17/2016					540				
1,1-Dichloroethane	75-34-3	ug/L	4/17/2017					<1				
1,1-Dichloroethane	75-34-3	ug/L	10/11/2017					540				
1,1-Dichloroethane	75-34-3	ug/L	4/20/2018					391				
1,1-Dichloroethane	75-34-3	ug/L	10/16/2018					359				
1,1-Dichloroethane	75-34-3	ug/L	4/16/2019					445				
1,1-Dichloroethane	75-34-3	ug/L	10/1/2019					537				
1,1-Dichloroethane	75-34-3	ug/L	3/30/2020					427				
1,1-Dichloroethane	75-34-3	ug/L	10/7/2020					440				
1,1-Dichloroethane	75-34-3	ug/L	4/13/2021					448				
1,1-Dichloroethane	75-34-3	ug/L	4/29/2025					384				
1,1-Dichloroethene	75-35-4	ug/L	2/27/2008				<2	9.87				
1,1-Dichloroethene	75-35-4	ug/L	5/12/2008				<2	10.4				
1,1-Dichloroethene	75-35-4	ug/L	7/13/2008				<2	6.79				
1,1-Dichloroethene	75-35-4	ug/L	9/14/2008				<2	8.73				
1,1-Dichloroethene	75-35-4	ug/L	11/17/2008				<2	7.4				
1,1-Dichloroethene	75-35-4	ug/L	4/14/2009				<2	9.63				
1,1-Dichloroethene	75-35-4	ug/L	7/7/2009					6.55				
1,1-Dichloroethene	75-35-4	ug/L	9/2/2009					8.46				
1,1-Dichloroethene	75-35-4	ug/L	10/25/2009				<2	8.93				
1,1-Dichloroethene	75-35-4	ug/L	1/2/2010					12.2				
1,1-Dichloroethene	75-35-4	ug/L	5/10/2010				<2	7.85				
1,1-Dichloroethene	75-35-4	ug/L	11/1/2010				<2	11.2				
1,1-Dichloroethene	75-35-4	ug/L	12/7/2010						<2			
1,1-Dichloroethene	75-35-4	ug/L	4/4/2011					6.75				
1,1-Dichloroethene	75-35-4	ug/L	10/13/2011				<2	6.55	<2			
1,1-Dichloroethene	75-35-4	ug/L	4/11/2012				<2	5.96	<2			
1,1-Dichloroethene	75-35-4	ug/L	10/11/2012				<2	5.31	<2			
1,1-Dichloroethene	75-35-4	ug/L	3/30/2013				<2	7.43	<2			
1,1-Dichloroethene	75-35-4	ug/L	10/7/2013				<2	6.94				
1,1-Dichloroethene	75-35-4	ug/L	6/2/2014				<2	6.53	<2			
1,1-Dichloroethene	75-35-4	ug/L	10/15/2014				<2	7.67	<2			
1,1-Dichloroethene	75-35-4	ug/L	4/6/2015					6.78				
1,1-Dichloroethene	75-35-4	ug/L	10/5/2015					4.93				
1,1-Dichloroethene	75-35-4	ug/L	4/4/2016					6.62				
1,1-Dichloroethene	75-35-4	ug/L	10/17/2016					10				
1,1-Dichloroethene	75-35-4	ug/L	4/17/2017					<2				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
1,1-Dichloroethene	75-35-4	ug/L	10/11/2017					4.4				
1,1-Dichloroethene	75-35-4	ug/L	4/20/2018					4.8				
1,1-Dichloroethene	75-35-4	ug/L	10/16/2018					6				
1,1-Dichloroethene	75-35-4	ug/L	4/16/2019					5.32				
1,1-Dichloroethene	75-35-4	ug/L	10/1/2019					4.42				
1,1-Dichloroethene	75-35-4	ug/L	3/30/2020					<20				
1,1-Dichloroethene	75-35-4	ug/L	10/7/2020					3.5				
1,1-Dichloroethene	75-35-4	ug/L	4/13/2021					2.9				
1,1-Dichloroethene	75-35-4	ug/L	4/29/2025					1.32				
1,1-Dichloropropene	563-58-6	ug/L	4/14/2009				<1	<1				
1,1-Dichloropropene	563-58-6	ug/L	5/10/2010				<1	<1				
1,1-Dichloropropene	563-58-6	ug/L	12/7/2010						<1			
1,1-Dichloropropene	563-58-6	ug/L	10/5/2015					<1				
1,1-Dichloropropene	563-58-6	ug/L	3/30/2020					<10				
1,1-Dichloropropene	563-58-6	ug/L	4/29/2025					<1.00				
1,2,3-Trichloropropane	96-18-4	ug/L	2/27/2008				<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	5/12/2008				<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	7/13/2008				<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	9/14/2008				<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	11/17/2008				<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	4/14/2009				<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	10/25/2009				<1	<2				
1,2,3-Trichloropropane	96-18-4	ug/L	5/10/2010				<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	11/1/2010				<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	12/7/2010						<1			
1,2,3-Trichloropropane	96-18-4	ug/L	10/13/2011				<4	<4	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	4/11/2012				<1	<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	10/11/2012				<1	<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	3/30/2013				<1	<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	10/7/2013				<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	6/2/2014				<1	<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	10/15/2014				<1	<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	4/6/2015					<1				
1,2,3-Trichloropropane	96-18-4	ug/L	10/5/2015					<1				
1,2,3-Trichloropropane	96-18-4	ug/L	4/4/2016					<1				
1,2,3-Trichloropropane	96-18-4	ug/L	10/17/2016					<1				
1,2,3-Trichloropropane	96-18-4	ug/L	4/17/2017					<1				
1,2,3-Trichloropropane	96-18-4	ug/L	10/11/2017					<1				
1,2,3-Trichloropropane	96-18-4	ug/L	4/20/2018					<1				
1,2,3-Trichloropropane	96-18-4	ug/L	10/16/2018					<1				
1,2,3-Trichloropropane	96-18-4	ug/L	4/16/2019					<1				
1,2,3-Trichloropropane	96-18-4	ug/L	10/1/2019					<1				
1,2,3-Trichloropropane	96-18-4	ug/L	3/30/2020					<10				
1,2,3-Trichloropropane	96-18-4	ug/L	10/7/2020					<1				
1,2,3-Trichloropropane	96-18-4	ug/L	4/13/2021					<1				
1,2,3-Trichloropropane	96-18-4	ug/L	4/29/2025					<1.00				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/14/2009				<10	<10				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/10/2010				<10	<10				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	12/7/2010						<10			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	10/5/2015					<10.2				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	3/30/2020					<10.4				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/29/2025					<10.0				
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/14/2009				<5	<5				
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/10/2010				<10	<10				
1,2,4-Trichlorobenzene	120-82-1	ug/L	12/7/2010						<5			
1,2,4-Trichlorobenzene	120-82-1	ug/L	10/5/2015					<5				
1,2,4-Trichlorobenzene	120-82-1	ug/L	3/30/2020					<50				
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/29/2025					<5.00				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	2/27/2008				<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/12/2008				<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	7/13/2008				<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	9/14/2008				<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	11/17/2008				<10	<10				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/14/2009				<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/25/2009				<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/10/2010				<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	11/1/2010				<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	12/7/2010						<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/13/2011				<10	<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/11/2012				<10	<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/11/2012				<10	<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/30/2013				<10	<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/7/2013				<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	6/2/2014				<0.12	<0.12	<0.12			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/15/2014				<0.12	<0.12	<0.12			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/6/2015					<0.5				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/5/2015					<0.5				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/4/2016					<0.5				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/17/2016					<0.5				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/17/2017					<0.5				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/11/2017					<0.5				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/20/2018					<0.5				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/16/2018					<1.2				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/16/2019					<1.2				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/1/2019					<1.2				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/30/2020					<12				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/7/2020					<1.2				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/13/2021					<0.02				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/29/2025					<1.20				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	2/27/2008				<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/12/2008				<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	7/13/2008				<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	9/14/2008				<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	11/17/2008				<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/14/2009				<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/25/2009				<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/10/2010				<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	11/1/2010				<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	12/7/2010						<10			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/13/2011				<10	<10	<10			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/11/2012				<10	<10	<10			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/11/2012				<10	<10	<10			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	3/30/2013				<10	<10	<10			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/7/2013				<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	6/2/2014				<0.13	<0.13	<0.13			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/15/2014				<0.13	<0.13	<0.13			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/6/2015					<0.13				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/5/2015					<0.13				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/4/2016					<0.13				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/17/2016					<0.13				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/17/2017					<0.13				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/11/2017					<0.13				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/20/2018					<0.13				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/16/2018					<0.34				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/16/2019					<0.34				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/1/2019					<0.34				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	3/30/2020					<3.4				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/7/2020					<0.34				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/13/2021					<0.02				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/29/2025					<0.340				
1,2-Dichlorobenzene	95-50-1	ug/L	2/27/2008				<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	5/12/2008				<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	7/13/2008				<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	9/14/2008				<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	11/17/2008				<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	4/14/2009				<1	<1				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
1,2-Dichlorobenzene	95-50-1	ug/L	10/25/2009				<1	<2				
1,2-Dichlorobenzene	95-50-1	ug/L	5/10/2010				<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	11/1/2010				<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	12/7/2010						<1			
1,2-Dichlorobenzene	95-50-1	ug/L	10/13/2011				<1	<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	4/11/2012				<1	<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	10/11/2012				<1	<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	3/30/2013				<1	<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	10/7/2013				<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	6/2/2014				<1	<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	10/15/2014				<1	<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	4/6/2015					<1				
1,2-Dichlorobenzene	95-50-1	ug/L	10/5/2015					<1				
1,2-Dichlorobenzene	95-50-1	ug/L	4/4/2016					<1				
1,2-Dichlorobenzene	95-50-1	ug/L	10/17/2016					<1				
1,2-Dichlorobenzene	95-50-1	ug/L	4/17/2017					<1				
1,2-Dichlorobenzene	95-50-1	ug/L	10/11/2017					<1				
1,2-Dichlorobenzene	95-50-1	ug/L	4/20/2018					<1				
1,2-Dichlorobenzene	95-50-1	ug/L	10/16/2018					<1				
1,2-Dichlorobenzene	95-50-1	ug/L	4/16/2019					<1				
1,2-Dichlorobenzene	95-50-1	ug/L	10/1/2019					<1				
1,2-Dichlorobenzene	95-50-1	ug/L	3/30/2020					<10				
1,2-Dichlorobenzene	95-50-1	ug/L	10/7/2020					<1				
1,2-Dichlorobenzene	95-50-1	ug/L	4/13/2021					<1				
1,2-Dichlorobenzene	95-50-1	ug/L	4/29/2025					<1.00				
1,2-Dichloroethane	107-06-2	ug/L	2/27/2008				<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	5/12/2008				<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	7/13/2008				<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	9/14/2008				<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	11/17/2008				<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	4/14/2009				<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	10/25/2009				<1	<2				
1,2-Dichloroethane	107-06-2	ug/L	5/10/2010				<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	11/1/2010				<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	12/7/2010						<1			
1,2-Dichloroethane	107-06-2	ug/L	10/13/2011				<1	<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	4/11/2012				<1	<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	10/11/2012				<1	<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	3/30/2013				<1	<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	10/7/2013				<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	6/2/2014				<1	<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	10/15/2014				<1	<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	4/6/2015					<1				
1,2-Dichloroethane	107-06-2	ug/L	10/5/2015					<1				
1,2-Dichloroethane	107-06-2	ug/L	4/4/2016					<1				
1,2-Dichloroethane	107-06-2	ug/L	10/17/2016					<1				
1,2-Dichloroethane	107-06-2	ug/L	4/17/2017					<1				
1,2-Dichloroethane	107-06-2	ug/L	10/11/2017					<1				
1,2-Dichloroethane	107-06-2	ug/L	4/20/2018					<1				
1,2-Dichloroethane	107-06-2	ug/L	10/16/2018					<1				
1,2-Dichloroethane	107-06-2	ug/L	4/16/2019					<1				
1,2-Dichloroethane	107-06-2	ug/L	10/1/2019					<1				
1,2-Dichloroethane	107-06-2	ug/L	3/30/2020					<10				
1,2-Dichloroethane	107-06-2	ug/L	10/7/2020					<1				
1,2-Dichloroethane	107-06-2	ug/L	4/13/2021					<1				
1,2-Dichloroethane	107-06-2	ug/L	4/29/2025					<1.00				
1,2-Dichloropropane	78-87-5	ug/L	2/27/2008				<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	5/12/2008				<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	7/13/2008				<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	9/14/2008				<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	11/17/2008				<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	4/14/2009				<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	10/25/2009				<1	<1				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
1,2-Dichloropropane	78-87-5	ug/L	5/10/2010				<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	11/1/2010				<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	12/7/2010						<1			
1,2-Dichloropropane	78-87-5	ug/L	10/13/2011				<1	<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	4/11/2012				<1	<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	10/11/2012				<1	<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	3/30/2013				<1	<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	10/7/2013				<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	6/2/2014				<1	<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	10/15/2014				<1	<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	4/6/2015					<1				
1,2-Dichloropropane	78-87-5	ug/L	10/5/2015					<1				
1,2-Dichloropropane	78-87-5	ug/L	4/4/2016					<1				
1,2-Dichloropropane	78-87-5	ug/L	10/17/2016					<1				
1,2-Dichloropropane	78-87-5	ug/L	4/17/2017					<1				
1,2-Dichloropropane	78-87-5	ug/L	10/11/2017					<1				
1,2-Dichloropropane	78-87-5	ug/L	4/20/2018					<1				
1,2-Dichloropropane	78-87-5	ug/L	10/16/2018					<1				
1,2-Dichloropropane	78-87-5	ug/L	4/16/2019					0.416J				
1,2-Dichloropropane	78-87-5	ug/L	10/1/2019					0.504J				
1,2-Dichloropropane	78-87-5	ug/L	3/30/2020					<10				
1,2-Dichloropropane	78-87-5	ug/L	10/7/2020					0.597J				
1,2-Dichloropropane	78-87-5	ug/L	4/13/2021					<1				
1,2-Dichloropropane	78-87-5	ug/L	4/29/2025					0.783				
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/14/2009				<10	<10				
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/10/2010				<10	<10				
1,3,5-Trinitrobenzene	99-35-4	ug/L	12/7/2010						<10			
1,3,5-Trinitrobenzene	99-35-4	ug/L	10/5/2015					<10.2				
1,3,5-Trinitrobenzene	99-35-4	ug/L	3/30/2020					<10.4				
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/29/2025					<10.0				
1,3-Dichlorobenzene	541-73-1	ug/L	4/14/2009				<1	<1				
1,3-Dichlorobenzene	541-73-1	ug/L	5/10/2010				<1	<1				
1,3-Dichlorobenzene	541-73-1	ug/L	12/7/2010						<1			
1,3-Dichlorobenzene	541-73-1	ug/L	10/5/2015					<1				
1,3-Dichlorobenzene	541-73-1	ug/L	3/30/2020					<10				
1,3-Dichlorobenzene	541-73-1	ug/L	4/29/2025					<1.00				
1,3-Dichloropropane	142-28-9	ug/L	4/14/2009				<1	<1				
1,3-Dichloropropane	142-28-9	ug/L	5/10/2010				<1	<1				
1,3-Dichloropropane	142-28-9	ug/L	12/7/2010						<1			
1,3-Dichloropropane	142-28-9	ug/L	10/5/2015					<1				
1,3-Dichloropropane	142-28-9	ug/L	3/30/2020					<10				
1,3-Dichloropropane	142-28-9	ug/L	4/29/2025					<1.00				
1,3-Dinitrobenzene	99-65-0	ug/L	4/14/2009				<10	<10				
1,3-Dinitrobenzene	99-65-0	ug/L	5/10/2010				<10	<10				
1,3-Dinitrobenzene	99-65-0	ug/L	12/7/2010						<10			
1,3-Dinitrobenzene	99-65-0	ug/L	10/5/2015					<10.2				
1,3-Dinitrobenzene	99-65-0	ug/L	3/30/2020					<10.4				
1,3-Dinitrobenzene	99-65-0	ug/L	4/29/2025					<10.0				
1,4-Dichlorobenzene	106-46-7	ug/L	2/27/2008				<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	5/12/2008				<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	7/13/2008				<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	9/14/2008				<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	11/17/2008				<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	4/14/2009				<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	10/25/2009				<1	<2				
1,4-Dichlorobenzene	106-46-7	ug/L	5/10/2010				<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	11/1/2010				<2	<2				
1,4-Dichlorobenzene	106-46-7	ug/L	12/7/2010						<1			
1,4-Dichlorobenzene	106-46-7	ug/L	10/13/2011				<1	<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	4/11/2012				<1	<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	10/11/2012				<1	<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	3/30/2013				<1	<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	10/7/2013				<1	<1				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
1,4-Dichlorobenzene	106-46-7	ug/L	6/2/2014				<1	<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	10/15/2014				<1	<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	4/6/2015					<1				
1,4-Dichlorobenzene	106-46-7	ug/L	10/5/2015					<1				
1,4-Dichlorobenzene	106-46-7	ug/L	4/4/2016					<1				
1,4-Dichlorobenzene	106-46-7	ug/L	10/17/2016					<1				
1,4-Dichlorobenzene	106-46-7	ug/L	4/17/2017					<1				
1,4-Dichlorobenzene	106-46-7	ug/L	10/11/2017					<1				
1,4-Dichlorobenzene	106-46-7	ug/L	4/20/2018					<1				
1,4-Dichlorobenzene	106-46-7	ug/L	10/16/2018					<1				
1,4-Dichlorobenzene	106-46-7	ug/L	4/16/2019					<1				
1,4-Dichlorobenzene	106-46-7	ug/L	10/1/2019					<1				
1,4-Dichlorobenzene	106-46-7	ug/L	3/30/2020					<10				
1,4-Dichlorobenzene	106-46-7	ug/L	10/7/2020					<1				
1,4-Dichlorobenzene	106-46-7	ug/L	4/13/2021					<1				
1,4-Dichlorobenzene	106-46-7	ug/L	4/29/2025					<1.00				
1,4-Naphthoquinone	130-15-4	ug/L	4/14/2009				<10	<10				
1,4-Naphthoquinone	130-15-4	ug/L	5/10/2010				<10	<10				
1,4-Naphthoquinone	130-15-4	ug/L	12/7/2010						<10			
1,4-Naphthoquinone	130-15-4	ug/L	10/5/2015					<10.2				
1,4-Naphthoquinone	130-15-4	ug/L	3/30/2020					<10.4				
1,4-Naphthoquinone	130-15-4	ug/L	4/29/2025					<10.0				
1,4-Phenylenediamine	106-50-3	ug/L	4/14/2009				<10	<10				
1,4-Phenylenediamine	106-50-3	ug/L	5/10/2010				<10	<10				
1,4-Phenylenediamine	106-50-3	ug/L	12/7/2010						<10			
1,4-Phenylenediamine	106-50-3	ug/L	10/5/2015					<10.2				
1,4-Phenylenediamine	106-50-3	ug/L	3/30/2020					<10.4				
1,4-phenylenediamine	106-50-3	ug/L	4/29/2025					<10.0				
1-Naphthylamine	134-32-7	ug/L	4/14/2009				<10	<10				
1-Naphthylamine	134-32-7	ug/L	5/10/2010				<10	<10				
1-Naphthylamine	134-32-7	ug/L	12/7/2010						<10			
1-Naphthylamine	134-32-7	ug/L	10/5/2015					<10.2				
1-Naphthylamine	134-32-7	ug/L	3/30/2020					<10.4				
1-Naphthylamine	134-32-7	ug/L	4/29/2025					<10.0				
2,2-Dichloropropane	594-20-7	ug/L	4/14/2009				<4	<4				
2,2-Dichloropropane	594-20-7	ug/L	5/10/2010				<4	<4				
2,2-Dichloropropane	594-20-7	ug/L	12/7/2010						<4			
2,2-Dichloropropane	594-20-7	ug/L	10/5/2015					<4				
2,2-Dichloropropane	594-20-7	ug/L	3/30/2020					<40				
2,2-Dichloropropane	594-20-7	ug/L	4/29/2025					<4.00				
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/14/2009				<10	<10				
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/10/2010				<10	<10				
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	12/7/2010						<10			
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	10/5/2015					<10.2				
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	3/30/2020					<10.4				
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/29/2025					<10.0				
2,4,5-T	93-76-5	ug/L	4/29/2025					<0.166				
2,4,5-T [2C]	93-76-5	ug/L	4/14/2009				<0.2	<0.2				
2,4,5-T [2C]	93-76-5	ug/L	5/10/2010				<0.5	<0.5				
2,4,5-T [2C]	93-76-5	ug/L	12/7/2010						<0.5			
2,4,5-T [2C]	93-76-5	ug/L	10/5/2015					<1.06				
2,4,5-T [2C]	93-76-5	ug/L	3/30/2020					<1.04				
2,4,5-TP [Silvex]	93-72-1	ug/L	4/14/2009				<0.2	<0.2				
2,4,5-TP [Silvex]	93-72-1	ug/L	5/10/2010				<0.5	<0.5				
2,4,5-TP [Silvex]	93-72-1	ug/L	12/7/2010						<0.5			
2,4,5-TP [Silvex]	93-72-1	ug/L	10/5/2015					<1.06				
2,4,5-TP [Silvex]	93-72-1	ug/L	3/30/2020					<1.04				
2,4,5-Trichlorophenol	95-95-4	ug/L	4/14/2009				<10	<10				
2,4,5-Trichlorophenol	95-95-4	ug/L	5/10/2010				<10	<10				
2,4,5-Trichlorophenol	95-95-4	ug/L	12/7/2010						<10			
2,4,5-Trichlorophenol	95-95-4	ug/L	10/5/2015					<10.2				
2,4,5-Trichlorophenol	95-95-4	ug/L	3/30/2020					<10.4				
2,4,5-Trichlorophenol	95-95-4	ug/L	4/29/2025					<10.0				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
2,4,6-Trichlorophenol	88-06-2	ug/L	4/14/2009				<10	<10				
2,4,6-Trichlorophenol	88-06-2	ug/L	5/10/2010				<10	<10				
2,4,6-Trichlorophenol	88-06-2	ug/L	12/7/2010						<10			
2,4,6-Trichlorophenol	88-06-2	ug/L	10/5/2015					<10.2				
2,4,6-Trichlorophenol	88-06-2	ug/L	3/30/2020					<10.4				
2,4,6-Trichlorophenol	88-06-2	ug/L	4/29/2025					<10.0				
2,4-D	94-75-7	ug/L	4/29/2025					<0.663				
2,4-D [2C]	94-75-7	ug/L	4/14/2009				<1	<1				
2,4-D [2C]	94-75-7	ug/L	5/10/2010				<1	<1				
2,4-D [2C]	94-75-7	ug/L	12/7/2010						<1			
2,4-D [2C]	94-75-7	ug/L	10/5/2015					<1.06				
2,4-D [2C]	94-75-7	ug/L	3/30/2020					<1.04				
2,4-Dichlorophenol	120-83-2	ug/L	4/14/2009				<10	<10				
2,4-Dichlorophenol	120-83-2	ug/L	5/10/2010				<10	<10				
2,4-Dichlorophenol	120-83-2	ug/L	12/7/2010						<10			
2,4-Dichlorophenol	120-83-2	ug/L	10/5/2015					<10.2				
2,4-Dichlorophenol	120-83-2	ug/L	3/30/2020					<10.4				
2,4-Dichlorophenol	120-83-2	ug/L	4/29/2025					<10.0				
2,4-Dimethylphenol	105-67-9	ug/L	4/14/2009				<10	<10				
2,4-Dimethylphenol	105-67-9	ug/L	5/10/2010				<10	<10				
2,4-Dimethylphenol	105-67-9	ug/L	12/7/2010						<10			
2,4-Dimethylphenol	105-67-9	ug/L	10/5/2015					<10.2				
2,4-Dimethylphenol	105-67-9	ug/L	3/30/2020					<10.4				
2,4-Dimethylphenol	105-67-9	ug/L	4/29/2025					<10.0				
2,4-Dinitrophenol	51-28-5	ug/L	4/14/2009				<20	<20				
2,4-Dinitrophenol	51-28-5	ug/L	5/10/2010				<20	<20				
2,4-Dinitrophenol	51-28-5	ug/L	12/7/2010						<20			
2,4-Dinitrophenol	51-28-5	ug/L	10/5/2015					<20.4				
2,4-Dinitrophenol	51-28-5	ug/L	3/30/2020					<20.8				
2,4-Dinitrophenol	51-28-5	ug/L	4/29/2025					<20.0				
2,4-Dinitrotoluene	121-14-2	ug/L	4/14/2009				<10	<10				
2,4-Dinitrotoluene	121-14-2	ug/L	5/10/2010				<10	<10				
2,4-Dinitrotoluene	121-14-2	ug/L	12/7/2010						<10			
2,4-Dinitrotoluene	121-14-2	ug/L	10/5/2015					<10.2				
2,4-Dinitrotoluene	121-14-2	ug/L	3/30/2020					<10.4				
2,4-Dinitrotoluene	121-14-2	ug/L	4/29/2025					<10.0				
2,6-Dichlorophenol	87-65-0	ug/L	4/14/2009				<10	<10				
2,6-Dichlorophenol	87-65-0	ug/L	5/10/2010				<10	<10				
2,6-Dichlorophenol	87-65-0	ug/L	12/7/2010						<10			
2,6-Dichlorophenol	87-65-0	ug/L	10/5/2015					<10.2				
2,6-Dichlorophenol	87-65-0	ug/L	3/30/2020					<10.4				
2,6-Dichlorophenol	87-65-0	ug/L	4/29/2025					<10.0				
2,6-Dinitrotoluene	606-20-2	ug/L	4/14/2009				<10	<10				
2,6-Dinitrotoluene	606-20-2	ug/L	5/10/2010				<10	<10				
2,6-Dinitrotoluene	606-20-2	ug/L	12/7/2010						<10			
2,6-Dinitrotoluene	606-20-2	ug/L	10/5/2015					<10.2				
2,6-Dinitrotoluene	606-20-2	ug/L	3/30/2020					<10.4				
2,6-Dinitrotoluene	606-20-2	ug/L	4/29/2025					<10.0				
2-Acetylaminofluorene	53-96-3	ug/L	4/14/2009				<10	<10				
2-Acetylaminofluorene	53-96-3	ug/L	5/10/2010				<10	<10				
2-Acetylaminofluorene	53-96-3	ug/L	12/7/2010						<10			
2-Acetylaminofluorene	53-96-3	ug/L	10/5/2015					<10.2				
2-Acetylaminofluorene	53-96-3	ug/L	3/30/2020					<10.4				
2-Acetylaminofluorene	53-96-3	ug/L	4/29/2025					<10.0				
2-Butanone (MEK)	78-93-3	ug/L	2/27/2008				<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	5/12/2008				<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	7/13/2008				<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	9/14/2008				<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	11/17/2008				<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	4/14/2009				<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	10/25/2009				<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	5/10/2010				<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	11/1/2010				<10	<10				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
2-Butanone (MEK)	78-93-3	ug/L	12/7/2010						<10			
2-Butanone (MEK)	78-93-3	ug/L	10/13/2011				<10	<10	<10			
2-Butanone (MEK)	78-93-3	ug/L	4/11/2012				<10	<10	<10			
2-Butanone (MEK)	78-93-3	ug/L	10/11/2012				<10	<10	<10			
2-Butanone (MEK)	78-93-3	ug/L	3/30/2013				<10	<10	<10			
2-Butanone (MEK)	78-93-3	ug/L	10/7/2013				<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	6/2/2014				<10	<10	<10			
2-Butanone (MEK)	78-93-3	ug/L	10/15/2014				<10	<10	<10			
2-Butanone (MEK)	78-93-3	ug/L	4/6/2015					<10				
2-Butanone (MEK)	78-93-3	ug/L	10/5/2015					<10				
2-Butanone (MEK)	78-93-3	ug/L	4/4/2016					<10				
2-Butanone (MEK)	78-93-3	ug/L	10/17/2016					<10				
2-Butanone (MEK)	78-93-3	ug/L	4/17/2017					<10				
2-Butanone (MEK)	78-93-3	ug/L	10/11/2017					<10				
2-Butanone (MEK)	78-93-3	ug/L	4/20/2018					<10				
2-Butanone (MEK)	78-93-3	ug/L	10/16/2018					<10				
2-Butanone (MEK)	78-93-3	ug/L	4/16/2019					<10				
2-Butanone (MEK)	78-93-3	ug/L	10/1/2019					<10				
2-Butanone (MEK)	78-93-3	ug/L	3/30/2020					<100				
2-Butanone (MEK)	78-93-3	ug/L	10/7/2020					<10				
2-Butanone (MEK)	78-93-3	ug/L	4/13/2021					<5				
2-Butanone (MEK)	78-93-3	ug/L	4/29/2025					<10.0				
2-Chloronaphthalene	91-58-7	ug/L	4/14/2009				<10	<10				
2-Chloronaphthalene	91-58-7	ug/L	5/10/2010				<10	<10				
2-Chloronaphthalene	91-58-7	ug/L	12/7/2010						<10			
2-Chloronaphthalene	91-58-7	ug/L	10/5/2015					<10.2				
2-Chloronaphthalene	91-58-7	ug/L	3/30/2020					<10.4				
2-Chloronaphthalene	91-58-7	ug/L	4/29/2025					<10.0				
2-Chlorophenol	95-57-8	ug/L	4/14/2009				<10	<10				
2-Chlorophenol	95-57-8	ug/L	5/10/2010				<10	<10				
2-Chlorophenol	95-57-8	ug/L	12/7/2010						<10			
2-Chlorophenol	95-57-8	ug/L	10/5/2015					<10.2				
2-Chlorophenol	95-57-8	ug/L	3/30/2020					<10.4				
2-Chlorophenol	95-57-8	ug/L	4/29/2025					<10.0				
2-Hexanone	591-78-6	ug/L	2/27/2008				<10	<10				
2-Hexanone	591-78-6	ug/L	5/12/2008				<10	<10				
2-Hexanone	591-78-6	ug/L	7/13/2008				<10	<10				
2-Hexanone	591-78-6	ug/L	9/14/2008				<10	<10				
2-Hexanone	591-78-6	ug/L	11/17/2008				<10	<10				
2-Hexanone	591-78-6	ug/L	4/14/2009				<10	<10				
2-Hexanone	591-78-6	ug/L	10/25/2009				<10	<10				
2-Hexanone	591-78-6	ug/L	5/10/2010				<20	<20				
2-Hexanone	591-78-6	ug/L	11/1/2010				<10	<10				
2-Hexanone	591-78-6	ug/L	12/7/2010						<10			
2-Hexanone	591-78-6	ug/L	10/13/2011				<10	<10	<10			
2-Hexanone	591-78-6	ug/L	4/11/2012				<10	<10	<10			
2-Hexanone	591-78-6	ug/L	10/11/2012				<10	<10	<10			
2-Hexanone	591-78-6	ug/L	3/30/2013				<10	<10	<10			
2-Hexanone	591-78-6	ug/L	10/7/2013				<10	<10				
2-Hexanone	591-78-6	ug/L	6/2/2014				<10	<10	<10			
2-Hexanone	591-78-6	ug/L	10/15/2014				<10	<10	<10			
2-Hexanone	591-78-6	ug/L	4/6/2015					<10				
2-Hexanone	591-78-6	ug/L	10/5/2015					<10				
2-Hexanone	591-78-6	ug/L	4/4/2016					<10				
2-Hexanone	591-78-6	ug/L	10/17/2016					<10				
2-Hexanone	591-78-6	ug/L	4/17/2017					<10				
2-Hexanone	591-78-6	ug/L	10/11/2017					<10				
2-Hexanone	591-78-6	ug/L	4/20/2018					<10				
2-Hexanone	591-78-6	ug/L	10/16/2018					<10				
2-Hexanone	591-78-6	ug/L	4/16/2019					<10				
2-Hexanone	591-78-6	ug/L	10/1/2019					<10				
2-Hexanone	591-78-6	ug/L	3/30/2020					<100				
2-Hexanone	591-78-6	ug/L	10/7/2020					<10				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
2-Hexanone	591-78-6	ug/L	4/13/2021					<5				
2-Hexanone	591-78-6	ug/L	4/29/2025					<10.0				
2-Methylnaphthalene	91-57-6	ug/L	4/14/2009				<10	<10				
2-Methylnaphthalene	91-57-6	ug/L	5/10/2010				<10	<10				
2-Methylnaphthalene	91-57-6	ug/L	12/7/2010						<10			
2-Methylnaphthalene	91-57-6	ug/L	10/5/2015					<10.2				
2-Methylnaphthalene	91-57-6	ug/L	3/30/2020					<10.4				
2-Methylnaphthalene	91-57-6	ug/L	4/29/2025					<10.0				
2-Methylphenol	95-48-7	ug/L	4/14/2009				<10	<10				
2-Methylphenol	95-48-7	ug/L	5/10/2010				<10	<10				
2-Methylphenol	95-48-7	ug/L	12/7/2010						<10			
2-Methylphenol	95-48-7	ug/L	10/5/2015					<10.2				
2-Methylphenol	95-48-7	ug/L	3/30/2020					<10.4				
2-Methylphenol	95-48-7	ug/L	4/29/2025					<10.0				
2-Naphthylamine	91-59-8	ug/L	4/14/2009				<10	<10				
2-Naphthylamine	91-59-8	ug/L	5/10/2010				<10	<10				
2-Naphthylamine	91-59-8	ug/L	12/7/2010						<10			
2-Naphthylamine	91-59-8	ug/L	10/5/2015					<10.2				
2-Naphthylamine	91-59-8	ug/L	3/30/2020					<10.4				
2-Naphthylamine	91-59-8	ug/L	4/29/2025					<10.0				
2-Nitroaniline	88-74-4	ug/L	4/14/2009				<10	<10				
2-Nitroaniline	88-74-4	ug/L	5/10/2010				<10	<10				
2-Nitroaniline	88-74-4	ug/L	12/7/2010						<10			
2-Nitroaniline	88-74-4	ug/L	10/5/2015					<10.2				
2-Nitroaniline	88-74-4	ug/L	3/30/2020					<10.4				
2-Nitroaniline	88-74-4	ug/L	4/29/2025					<10.0				
2-Nitrophenol	88-75-5	ug/L	4/14/2009				<10	<10				
2-Nitrophenol	88-75-5	ug/L	5/10/2010				<10	<10				
2-Nitrophenol	88-75-5	ug/L	12/7/2010						<10			
2-Nitrophenol	88-75-5	ug/L	10/5/2015					<10.2				
2-Nitrophenol	88-75-5	ug/L	3/30/2020					<10.4				
2-Nitrophenol	88-75-5	ug/L	4/29/2025					<10.0				
3,3'-Dichlorobenzidine	91-94-1	ug/L	4/29/2025					<10.0				
3,3'-Dimethylbenzidine	119-93-7	ug/L	4/29/2025					<10.0				
3,3-Dichlorobenzidine	91-94-1	ug/L	4/14/2009				<85	<85				
3,3-Dichlorobenzidine	91-94-1	ug/L	5/10/2010				<10	<10				
3,3-Dichlorobenzidine	91-94-1	ug/L	12/7/2010						<10			
3,3-Dichlorobenzidine	91-94-1	ug/L	10/5/2015					<51				
3,3-Dichlorobenzidine	91-94-1	ug/L	3/30/2020					<10.4				
3,3-Dimethylbenzidine	119-93-7	ug/L	4/14/2009				<20	<20				
3,3-Dimethylbenzidine	119-93-7	ug/L	5/10/2010				<10	<10				
3,3-Dimethylbenzidine	119-93-7	ug/L	12/7/2010						<10			
3,3-Dimethylbenzidine	119-93-7	ug/L	10/5/2015					<10.2				
3,3-Dimethylbenzidine	119-93-7	ug/L	3/30/2020					<10.4				
3-Methylcholanthrene	56-49-5	ug/L	4/14/2009				<10	<10				
3-Methylcholanthrene	56-49-5	ug/L	5/10/2010				<10	<10				
3-Methylcholanthrene	56-49-5	ug/L	12/7/2010						<10			
3-Methylcholanthrene	56-49-5	ug/L	10/5/2015					<10.2				
3-Methylcholanthrene	56-49-5	ug/L	3/30/2020					<10.4				
3-Methylcholanthrene	56-49-5	ug/L	4/29/2025					<10.0				
3-Nitroaniline	99-09-2	ug/L	4/14/2009				<10	<10				
3-Nitroaniline	99-09-2	ug/L	5/10/2010				<10	<10				
3-Nitroaniline	99-09-2	ug/L	12/7/2010						<10			
3-Nitroaniline	99-09-2	ug/L	10/5/2015					<10.2				
3-Nitroaniline	99-09-2	ug/L	3/30/2020					<10.4				
3-Nitroaniline	99-09-2	ug/L	4/29/2025					<10.0				
4,4'-DDD	72-54-8	ug/L	4/29/2025					<0.0904				
4,4'-DDE	72-55-9	ug/L	4/29/2025					<0.0904				
4,4'-DDT	50-29-3	ug/L	4/29/2025					<0.0904				
4,4`-DDD	72-54-8	ug/L	4/14/2009				<0.032	<0.032				
4,4`-DDD	72-54-8	ug/L	5/10/2010				<0.032	<0.032				
4,4`-DDD	72-54-8	ug/L	12/7/2010						<0.032			
4,4`-DDD	72-54-8	ug/L	10/5/2015					<0.0333				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
4,4`-DDD	72-54-8	ug/L	3/30/2020					<0.033				
4,4`-DDE	72-55-9	ug/L	4/14/2009				<0.032	<0.032				
4,4`-DDE	72-55-9	ug/L	5/10/2010				<0.032	<0.032				
4,4`-DDE	72-55-9	ug/L	12/7/2010						<0.032			
4,4`-DDE	72-55-9	ug/L	10/5/2015					<0.0333				
4,4`-DDE	72-55-9	ug/L	3/30/2020					<0.033				
4,4`-DDT	50-29-3	ug/L	4/14/2009				<0.032	<0.032				
4,4`-DDT	50-29-3	ug/L	5/10/2010				<0.032	<0.032				
4,4`-DDT	50-29-3	ug/L	12/7/2010						<0.032			
4,4`-DDT	50-29-3	ug/L	10/5/2015					<0.0333				
4,4`-DDT	50-29-3	ug/L	3/30/2020					<0.033				
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/14/2009				<10	<10				
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/10/2010				<10	<10				
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	12/7/2010						<10			
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	10/5/2015					<10.2				
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	3/30/2020					<10.4				
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/29/2025					<10.0				
4-Aminobiphenyl	92-67-1	ug/L	4/14/2009				<20	<20				
4-Aminobiphenyl	92-67-1	ug/L	5/10/2010				<10	<10				
4-Aminobiphenyl	92-67-1	ug/L	12/7/2010						<10			
4-Aminobiphenyl	92-67-1	ug/L	10/5/2015					<10.2				
4-Aminobiphenyl	92-67-1	ug/L	3/30/2020					<10.4				
4-Aminobiphenyl	92-67-1	ug/L	4/29/2025					<10.0				
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/14/2009				<10	<10				
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/10/2010				<10	<10				
4-Bromophenyl phenyl ether	101-55-3	ug/L	12/7/2010						<10			
4-Bromophenyl phenyl ether	101-55-3	ug/L	10/5/2015					<10.2				
4-Bromophenyl phenyl ether	101-55-3	ug/L	3/30/2020					<10.4				
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/29/2025					<10.0				
4-Chloro-3-methylphenol	59-50-7	ug/L	4/14/2009				<10	<10				
4-Chloro-3-methylphenol	59-50-7	ug/L	5/10/2010				<10	<10				
4-Chloro-3-methylphenol	59-50-7	ug/L	12/7/2010						<10			
4-Chloro-3-methylphenol	59-50-7	ug/L	10/5/2015					<10.2				
4-Chloro-3-methylphenol	59-50-7	ug/L	3/30/2020					<10.4				
4-Chloro-3-methylphenol	59-50-7	ug/L	4/29/2025					<10.0				
4-Chloroaniline	106-47-8	ug/L	4/29/2025					<10.0				
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/14/2009				<10	<10				
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/10/2010				<10	<10				
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	12/7/2010						<10			
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	10/5/2015					<10.2				
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	3/30/2020					<10.4				
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/29/2025					<10.0				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	2/27/2008				<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/12/2008				<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	7/13/2008				<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	9/14/2008				<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	11/17/2008				<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/14/2009				<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/25/2009				<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/10/2010				<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	11/1/2010				<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	12/7/2010						<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/13/2011				<10	<10	<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/11/2012				<10	<10	<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/11/2012				<10	<10	<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	3/30/2013				<10	<10	<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/7/2013				<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	6/2/2014				<10	<10	<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/15/2014				<10	<10	<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/6/2015					<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/5/2015					<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/4/2016					<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/17/2016					<10				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/17/2017					<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/11/2017					<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/20/2018					<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/16/2018					<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/16/2019					<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/1/2019					<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	3/30/2020					<100				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/7/2020					<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/13/2021					<5				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/29/2025					<10.0				
4-Nitroaniline	100-01-6	ug/L	4/14/2009				<10	<10				
4-Nitroaniline	100-01-6	ug/L	5/10/2010				<10	<10				
4-Nitroaniline	100-01-6	ug/L	12/7/2010						<10			
4-Nitroaniline	100-01-6	ug/L	10/5/2015					<10.2				
4-Nitroaniline	100-01-6	ug/L	3/30/2020					<10.4				
4-Nitroaniline	100-01-6	ug/L	4/29/2025					<10.0				
4-Nitrophenol	100-02-7	ug/L	4/14/2009				<10	<10				
4-Nitrophenol	100-02-7	ug/L	5/10/2010				<10	<10				
4-Nitrophenol	100-02-7	ug/L	12/7/2010						<10			
4-Nitrophenol	100-02-7	ug/L	10/5/2015					<10.2				
4-Nitrophenol	100-02-7	ug/L	3/30/2020					<10.4				
4-Nitrophenol	100-02-7	ug/L	4/29/2025					<10.0				
5-Nitro-o-toluidine	99-55-8	ug/L	4/14/2009				<10	<10				
5-Nitro-o-toluidine	99-55-8	ug/L	5/10/2010				<10	<10				
5-Nitro-o-toluidine	99-55-8	ug/L	12/7/2010						<10			
5-Nitro-o-toluidine	99-55-8	ug/L	10/5/2015					<10.2				
5-Nitro-o-toluidine	99-55-8	ug/L	3/30/2020					<10.4				
5-Nitro-o-toluidine	99-55-8	ug/L	4/29/2025					<10.0				
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	4/29/2025					<10.0				
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	4/14/2009				<10	<10				
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	5/10/2010				<10	<10				
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	12/7/2010						<10			
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	10/5/2015					<10.2				
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	3/30/2020					<10.4				
Acenaphthene	83-32-9	ug/L	4/14/2009				<10	<10				
Acenaphthene	83-32-9	ug/L	5/10/2010				<10	<10				
Acenaphthene	83-32-9	ug/L	12/7/2010						<10			
Acenaphthene	83-32-9	ug/L	10/5/2015					<10.2				
Acenaphthene	83-32-9	ug/L	3/30/2020					<10.4				
Acenaphthene	83-32-9	ug/L	4/29/2025					<10.0				
Acenaphthylene	208-96-8	ug/L	4/14/2009				<10	<10				
Acenaphthylene	208-96-8	ug/L	5/10/2010				<10	<10				
Acenaphthylene	208-96-8	ug/L	12/7/2010						<10			
Acenaphthylene	208-96-8	ug/L	10/5/2015					<10.2				
Acenaphthylene	208-96-8	ug/L	3/30/2020					<10.4				
Acenaphthylene	208-96-8	ug/L	4/29/2025					<10.0				
Acetone	67-64-1	ug/L	2/27/2008				<10	<10				
Acetone	67-64-1	ug/L	5/12/2008				<10	<10				
Acetone	67-64-1	ug/L	7/13/2008				<10	<10				
Acetone	67-64-1	ug/L	9/14/2008				<10	<10				
Acetone	67-64-1	ug/L	11/17/2008				<10	<10				
Acetone	67-64-1	ug/L	4/14/2009				<10	<10				
Acetone	67-64-1	ug/L	10/25/2009				<10	<10				
Acetone	67-64-1	ug/L	5/10/2010				<10	<10				
Acetone	67-64-1	ug/L	11/1/2010				<10	<10				
Acetone	67-64-1	ug/L	12/7/2010						<10			
Acetone	67-64-1	ug/L	10/13/2011				<10	<10	<10			
Acetone	67-64-1	ug/L	4/11/2012				<10	<10	<10			
Acetone	67-64-1	ug/L	10/11/2012				<10	<10	<10			
Acetone	67-64-1	ug/L	3/30/2013				<10	<10	<10			
Acetone	67-64-1	ug/L	10/7/2013				<10	<10				
Acetone	67-64-1	ug/L	6/2/2014				<10	<10	<10			
Acetone	67-64-1	ug/L	10/15/2014				<10	<10	<10			

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Acetone	67-64-1	ug/L	4/6/2015					<10				
Acetone	67-64-1	ug/L	10/5/2015					<10				
Acetone	67-64-1	ug/L	4/4/2016					<10				
Acetone	67-64-1	ug/L	10/17/2016					<10				
Acetone	67-64-1	ug/L	4/17/2017					<10				
Acetone	67-64-1	ug/L	10/11/2017					4.84J				
Acetone	67-64-1	ug/L	4/20/2018					<10				
Acetone	67-64-1	ug/L	10/16/2018					3.14J				
Acetone	67-64-1	ug/L	4/16/2019					<10				
Acetone	67-64-1	ug/L	10/1/2019					<10				
Acetone	67-64-1	ug/L	3/30/2020					<100				
Acetone	67-64-1	ug/L	10/7/2020					<10				
Acetone	67-64-1	ug/L	4/13/2021					18.2				
Acetone	67-64-1	ug/L	4/29/2025					<10.0				
Acetonitrile	75-05-8	mg/L	4/14/2009				<10	<10				
Acetonitrile	75-05-8	mg/L	5/10/2010				<10	<10				
Acetonitrile	75-05-8	mg/L	12/7/2010						<10			
Acetonitrile	75-05-8	mg/L	10/5/2015					<10				
Acetonitrile	75-05-8	mg/L	3/30/2020					<10				
Acetonitrile	75-05-8	mg/L	4/29/2025					<10.0				
Acetophenone	98-86-2	ug/L	4/14/2009				<10	<10				
Acetophenone	98-86-2	ug/L	5/10/2010				<10	<10				
Acetophenone	98-86-2	ug/L	12/7/2010						<10			
Acetophenone	98-86-2	ug/L	10/5/2015					<10.2				
Acetophenone	98-86-2	ug/L	3/30/2020					<10.4				
Acetophenone	98-86-2	ug/L	4/29/2025					<10.0				
Acrolein	107-02-8	ug/L	4/14/2009				<10	<10				
Acrolein	107-02-8	ug/L	5/10/2010				<10	<10				
Acrolein	107-02-8	ug/L	12/7/2010						<10			
Acrolein	107-02-8	ug/L	10/5/2015					<10				
Acrolein	107-02-8	ug/L	3/30/2020					<100				
Acrolein	107-02-8	ug/L	4/29/2025					<10.0				
Acrylonitrile	107-13-1	ug/L	2/27/2008				<10	<10				
Acrylonitrile	107-13-1	ug/L	5/12/2008				<10	<10				
Acrylonitrile	107-13-1	ug/L	7/13/2008				<10	<10				
Acrylonitrile	107-13-1	ug/L	9/14/2008				<10	<10				
Acrylonitrile	107-13-1	ug/L	11/17/2008				<10	<10				
Acrylonitrile	107-13-1	ug/L	4/14/2009				<10	<10				
Acrylonitrile	107-13-1	ug/L	10/25/2009				<10	<10				
Acrylonitrile	107-13-1	ug/L	5/10/2010				<10	<10				
Acrylonitrile	107-13-1	ug/L	11/1/2010				<10	<10				
Acrylonitrile	107-13-1	ug/L	12/7/2010						<10			
Acrylonitrile	107-13-1	ug/L	10/13/2011				<10	<10	<10			
Acrylonitrile	107-13-1	ug/L	4/11/2012				<10	<10	<10			
Acrylonitrile	107-13-1	ug/L	10/11/2012				<10	<10	<10			
Acrylonitrile	107-13-1	ug/L	3/30/2013				<10	<10	<10			
Acrylonitrile	107-13-1	ug/L	10/7/2013				<10	<10				
Acrylonitrile	107-13-1	ug/L	6/2/2014				<10	<10	<10			
Acrylonitrile	107-13-1	ug/L	10/15/2014				<10	<10	<10			
Acrylonitrile	107-13-1	ug/L	4/6/2015					<10				
Acrylonitrile	107-13-1	ug/L	10/5/2015					<10				
Acrylonitrile	107-13-1	ug/L	4/4/2016					<10				
Acrylonitrile	107-13-1	ug/L	10/17/2016					<10				
Acrylonitrile	107-13-1	ug/L	4/17/2017					<5				
Acrylonitrile	107-13-1	ug/L	10/11/2017					<5				
Acrylonitrile	107-13-1	ug/L	4/20/2018					<5				
Acrylonitrile	107-13-1	ug/L	10/16/2018					<5				
Acrylonitrile	107-13-1	ug/L	4/16/2019					<5				
Acrylonitrile	107-13-1	ug/L	10/1/2019					<5				
Acrylonitrile	107-13-1	ug/L	3/30/2020					<50				
Acrylonitrile	107-13-1	ug/L	10/7/2020					<5				
Acrylonitrile	107-13-1	ug/L	4/13/2021					<5				
Acrylonitrile	107-13-1	ug/L	4/29/2025					<5.00				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Aldrin	309-00-2	ug/L	4/14/2009				<0.032	<0.032				
Aldrin	309-00-2	ug/L	5/10/2010				<0.032	<0.032				
Aldrin	309-00-2	ug/L	12/7/2010						<0.032			
Aldrin	309-00-2	ug/L	10/5/2015					<0.0333				
Aldrin	309-00-2	ug/L	3/30/2020					<0.033				
Aldrin	309-00-2	ug/L	4/29/2025					<0.0904				
Alkalinity, Phenol [CaCO3]	PALK	mg/L	6/2/2014				<5	<5	<5			
Alkalinity, Phenol [CaCO3]	PALK	mg/L	10/15/2014				<5	<5	<5			
Alkalinity, Total [CaCO3]	TALK	mg/L	6/2/2014				676	784	268			
Alkalinity, Total [CaCO3]	TALK	mg/L	10/15/2014				681	790	284			
Alkalinity, Total [CaCO3]	TALK	mg/L	4/16/2019									772
Allyl Chloride	107-05-1	ug/L	4/14/2009				<2	<2				
Allyl Chloride	107-05-1	ug/L	5/10/2010				<2	<2				
Allyl Chloride	107-05-1	ug/L	12/7/2010						<5			
Allyl Chloride	107-05-1	ug/L	10/5/2015					<2				
Allyl Chloride	107-05-1	ug/L	3/30/2020					<20				
Allyl chloride	107-05-1	ug/L	4/29/2025					<2.00				
Alpha-BHC	319-84-6	ug/L	4/14/2009				<0.032	<0.032				
Alpha-BHC	319-84-6	ug/L	5/10/2010				<0.032	<0.032				
Alpha-BHC	319-84-6	ug/L	12/7/2010						<0.032			
Alpha-BHC	319-84-6	ug/L	10/5/2015					<0.0333				
Alpha-BHC	319-84-6	ug/L	3/30/2020					<0.033				
Ammonia as N	7664-41-7	mg/L	4/6/2015				<0.2	<0.2	<0.2			
Ammonia as N	7664-41-7	mg/L	10/5/2015				<0.2	<0.2	<0.2			
Ammonia as N	7664-41-7	mg/L	4/4/2016				<0.2	<0.2	<0.2			
Ammonia as N	7664-41-7	mg/L	10/17/2016				<0.2	<0.2	<0.2			
Anthracene	120-12-7	ug/L	4/14/2009				<10	<10				
Anthracene	120-12-7	ug/L	5/10/2010				<10	<10				
Anthracene	120-12-7	ug/L	12/7/2010						<10			
Anthracene	120-12-7	ug/L	10/5/2015					<10.2				
Anthracene	120-12-7	ug/L	3/30/2020					<10.4				
Anthracene	120-12-7	ug/L	4/29/2025					<10.0				
Antimony	7440-36-0	mg/L	2/27/2008				<0.006	<0.006				
Antimony	7440-36-0	mg/L	5/12/2008				<0.006	<0.006				
Antimony	7440-36-0	mg/L	7/13/2008				<0.006	<0.006				
Antimony	7440-36-0	mg/L	9/14/2008				<0.006	<0.006				
Antimony	7440-36-0	mg/L	11/17/2008				<0.006	<0.006				
Antimony	7440-36-0	mg/L	4/14/2009				<0.006	<0.006				
Antimony	7440-36-0	mg/L	10/25/2009				<0.006	<0.006				
Antimony	7440-36-0	mg/L	5/10/2010				<0.002	<0.002				
Antimony	7440-36-0	mg/L	11/1/2010				<0.006	<0.006				
Antimony	7440-36-0	mg/L	12/7/2010						<0.006			
Antimony	7440-36-0	mg/L	4/4/2011				<0.006					
Antimony	7440-36-0	mg/L	10/13/2011				<0.006	<0.006	<0.006			
Antimony	7440-36-0	mg/L	4/11/2012				<0.006	<0.006	<0.006			
Antimony	7440-36-0	mg/L	10/11/2012				<0.012	<0.012	<0.006			
Antimony	7440-36-0	mg/L	3/30/2013				<0.006	<0.006	<0.006			
Antimony	7440-36-0	mg/L	10/7/2013				<0.006	<0.006	<0.006			
Antimony	7440-36-0	mg/L	6/2/2014				<0.006	<0.006	<0.006			
Antimony	7440-36-0	mg/L	10/15/2014				<0.006	<0.006	<0.006			
Antimony	7440-36-0	mg/L	4/6/2015					<0.001				
Antimony	7440-36-0	mg/L	10/5/2015					<0.001				
Antimony	7440-36-0	mg/L	4/4/2016					<0.001				
Antimony	7440-36-0	mg/L	10/17/2016					<0.001				
Antimony	7440-36-0	mg/L	4/17/2017					<0.001				
Antimony	7440-36-0	mg/L	10/11/2017					0.000307J				
Antimony	7440-36-0	mg/L	4/20/2018					<0.001				
Antimony	7440-36-0	mg/L	10/16/2018					<0.003				
Antimony	7440-36-0	mg/L	4/16/2019					<0.001				
Antimony	7440-36-0	mg/L	10/1/2019					<0.001				
Antimony	7440-36-0	mg/L	3/30/2020					<0.001				
Antimony	7440-36-0	mg/L	10/7/2020					<0.001				
Antimony	7440-36-0	mg/L	4/13/2021					<0.002				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Antimony	7440-36-0	mg/L	4/29/2025					<0.00200				
Arsenic	7440-38-2	mg/L	2/27/2008				0.03	0.002				
Arsenic	7440-38-2	mg/L	5/12/2008				0.033	<0.001				
Arsenic	7440-38-2	mg/L	7/13/2008				0.027	0.002				
Arsenic	7440-38-2	mg/L	9/14/2008				0.015	<0.001				
Arsenic	7440-38-2	mg/L	11/17/2008				0.0166	<0.001				
Arsenic	7440-38-2	mg/L	4/14/2009				0.021	<0.001				
Arsenic	7440-38-2	mg/L	7/7/2009				0.016					
Arsenic	7440-38-2	mg/L	9/2/2009				0.02; 0.021					
Arsenic	7440-38-2	mg/L	10/25/2009				0.018	<0.001				
Arsenic	7440-38-2	mg/L	1/2/2010				0.019					
Arsenic	7440-38-2	mg/L	5/10/2010				0.018	<0.001				
Arsenic	7440-38-2	mg/L	12/7/2010						<0.001			
Arsenic	7440-38-2	mg/L	4/4/2011						<0.001			
Arsenic	7440-38-2	mg/L	10/13/2011				0.0251	<0.001	<0.001			
Arsenic	7440-38-2	mg/L	4/11/2012				0.0142	<0.001	<0.001			
Arsenic	7440-38-2	mg/L	10/11/2012				0.0193	<0.001	<0.001			
Arsenic	7440-38-2	mg/L	3/30/2013				0.0114	<0.001	<0.001			
Arsenic	7440-38-2	mg/L	10/7/2013				0.014	<0.001	<0.001			
Arsenic	7440-38-2	mg/L	6/2/2014			0.00395	0.0177	0.000844J	<0.001			
Arsenic	7440-38-2	mg/L	10/15/2014			0.00299	0.018	<0.001	<0.001			
Arsenic	7440-38-2	mg/L	4/6/2015				0.0132	<0.002	<0.002			
Arsenic	7440-38-2	mg/L	10/5/2015				0.0163	0.00181J	<0.002			
Arsenic	7440-38-2	mg/L	4/4/2016				0.0127	0.00479	<0.002			
Arsenic	7440-38-2	mg/L	10/17/2016				0.0168	0.00125J	<0.002		0.00144J	
Arsenic	7440-38-2	mg/L	4/17/2017				0.0111	0.00447	<0.002		0.00132J	
Arsenic	7440-38-2	mg/L	10/11/2017		0.00206	<0.002	0.0159	0.00236	<0.002		0.00122J	
Arsenic	7440-38-2	mg/L	4/20/2018					0.00268				
Arsenic	7440-38-2	mg/L	4/23/2018				0.0634					
Arsenic	7440-38-2	mg/L	4/24/2018			<0.002			<0.002			
Arsenic	7440-38-2	mg/L	4/30/2018	<0.002	0.00312						0.00567	
Arsenic	7440-38-2	mg/L	10/16/2018	0.000596J	0.00237	0.000682J	0.0159	0.00429	<0.002		0.00756	0.0341
Arsenic	7440-38-2	mg/L	4/16/2019	<0.002	0.00551	<0.002	0.00665	0.00155J	<0.002		0.00439	0.0379
Arsenic	7440-38-2	mg/L	10/1/2019	<0.002	0.00197J	0.00103J	0.0121	0.00495	<0.002		0.00291	0.0382
Arsenic	7440-38-2	mg/L	3/30/2020	<0.002	0.00187J	<0.002	0.00721	0.00258	<0.002		0.00281	0.0287
Arsenic	7440-38-2	mg/L	10/7/2020	<0.002	0.00216	0.000969J	0.015	0.004	<0.002		0.00254	0.0244
Arsenic	7440-38-2	mg/L	4/13/2021	<0.004	0.0023J	<0.004	0.0073	0.005	<0.004		<0.004	0.0244
Arsenic	7440-38-2	mg/L	10/20/2021		0.0029J	<0.004	0.0141	0.0102	<0.004		<0.004	0.0426
Arsenic	7440-38-2	mg/L	5/2/2022		0.0045	0.0011J	0.0092	0.0066	0.001J		0.0013J	0.0324
Arsenic	7440-38-2	mg/L	10/14/2022		0.002J	0.0015J	0.0135	0.0042	0.0011J		0.0016J	0.0303
Arsenic	7440-38-2	mg/L	5/1/2023		0.00237	0.0014J	0.0073	0.00376	<0.002		<0.002	0.0372
Arsenic	7440-38-2	mg/L	10/16/2023		0.00219	0.00146J	0.013	0.00163J	<0.002		0.000849J	0.0304
Arsenic	7440-38-2	mg/L	4/29/2024		0.00243	0.000853J	0.00648	0.000677J	<0.002		<0.002	0.034
Arsenic	7440-38-2	mg/L	10/9/2024			0.00251	0.0147	0.00305				
Arsenic	7440-38-2	mg/L	10/10/2024						<0.00200			0.0321
Arsenic	7440-38-2	mg/L	10/14/2024								0.000826J	
Arsenic	7440-38-2	mg/L	10/15/2024		0.00197J							
Arsenic	7440-38-2	mg/L	4/24/2025				0.00684		<0.00200			0.0510
Arsenic	7440-38-2	mg/L	4/29/2025					0.00184				
Arsenic	7440-38-2	mg/L	4/30/2025			0.00178						
Arsenic	7440-38-2	mg/L	5/9/2025		0.00277						<0.00200	
Barium	7440-39-3	mg/L	2/27/2008				1.35	0.932				
Barium	7440-39-3	mg/L	5/12/2008				1.01	1.06				
Barium	7440-39-3	mg/L	7/13/2008				1.24	0.807				
Barium	7440-39-3	mg/L	9/14/2008				0.791	0.835				
Barium	7440-39-3	mg/L	11/17/2008				0.81	0.836				
Barium	7440-39-3	mg/L	4/14/2009				0.863	1.06				
Barium	7440-39-3	mg/L	7/7/2009				0.481	0.892				
Barium	7440-39-3	mg/L	9/2/2009				0.87	1.07				
Barium	7440-39-3	mg/L	10/25/2009				0.956	0.997				
Barium	7440-39-3	mg/L	1/2/2010				0.965	0.951				
Barium	7440-39-3	mg/L	5/10/2010				0.902	0.96				
Barium	7440-39-3	mg/L	11/1/2010				0.911	1.14				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Barium	7440-39-3	mg/L	12/7/2010						0.149			
Barium	7440-39-3	mg/L	1/10/2011						0.175			
Barium	7440-39-3	mg/L	4/4/2011						0.0831			
Barium	7440-39-3	mg/L	7/8/2011						0.0873			
Barium	7440-39-3	mg/L	8/11/2011						0.105			
Barium	7440-39-3	mg/L	10/13/2011				0.913	0.889	0.0963			
Barium	7440-39-3	mg/L	4/11/2012				0.8	1.07	0.0946			
Barium	7440-39-3	mg/L	10/11/2012				0.799	1.15	0.0977			
Barium	7440-39-3	mg/L	3/30/2013				0.717	1.25	0.0919			
Barium	7440-39-3	mg/L	10/7/2013				0.827	1.05	0.0846			
Barium	7440-39-3	mg/L	6/2/2014				0.721	0.964	0.0618			
Barium	7440-39-3	mg/L	10/15/2014				0.825	0.925	0.148			
Barium	7440-39-3	mg/L	4/6/2015					1.08				
Barium	7440-39-3	mg/L	10/5/2015					1.13				
Barium	7440-39-3	mg/L	4/4/2016					0.998				
Barium	7440-39-3	mg/L	10/17/2016					1.13				
Barium	7440-39-3	mg/L	4/17/2017					1.13				
Barium	7440-39-3	mg/L	10/11/2017					0.887				
Barium	7440-39-3	mg/L	4/20/2018					1.24				
Barium	7440-39-3	mg/L	10/16/2018					1.31				
Barium	7440-39-3	mg/L	4/16/2019					1.16				
Barium	7440-39-3	mg/L	10/1/2019					1.03				
Barium	7440-39-3	mg/L	3/30/2020					1.26				
Barium	7440-39-3	mg/L	10/7/2020					1.17				
Barium	7440-39-3	mg/L	4/13/2021					1.09				
Barium	7440-39-3	mg/L	4/29/2025					0.754				
Benzene	71-43-2	ug/L	2/27/2008				0.5	<0.5				
Benzene	71-43-2	ug/L	5/12/2008				0.59	<0.5				
Benzene	71-43-2	ug/L	7/13/2008				0.55	<0.5				
Benzene	71-43-2	ug/L	9/14/2008				0.63	<0.5				
Benzene	71-43-2	ug/L	11/17/2008				0.53	<0.5				
Benzene	71-43-2	ug/L	4/14/2009				0.57	<0.5				
Benzene	71-43-2	ug/L	7/7/2009				0.75					
Benzene	71-43-2	ug/L	9/2/2009				0.72					
Benzene	71-43-2	ug/L	10/25/2009				0.63	<0.5				
Benzene	71-43-2	ug/L	1/2/2010				<0.5					
Benzene	71-43-2	ug/L	5/10/2010				<0.5	<0.5				
Benzene	71-43-2	ug/L	11/1/2010				<0.5	<0.5				
Benzene	71-43-2	ug/L	12/7/2010						<0.5			
Benzene	71-43-2	ug/L	4/4/2011				<0.5					
Benzene	71-43-2	ug/L	10/13/2011				<0.5	<0.5	<0.5			
Benzene	71-43-2	ug/L	4/11/2012				<0.5	<0.5	<0.5			
Benzene	71-43-2	ug/L	10/11/2012				<0.5	<0.5	<0.5			
Benzene	71-43-2	ug/L	3/30/2013				<0.5	<0.5	<0.5			
Benzene	71-43-2	ug/L	10/7/2013				<0.5	<0.5				
Benzene	71-43-2	ug/L	6/2/2014				<0.5	0.169J	<0.5			
Benzene	71-43-2	ug/L	10/15/2014				<0.5	<0.5	<0.5			
Benzene	71-43-2	ug/L	4/6/2015					0.277J	<0.5			
Benzene	71-43-2	ug/L	10/5/2015					0.272J	<0.5			
Benzene	71-43-2	ug/L	4/4/2016					0.378J	<0.5			
Benzene	71-43-2	ug/L	10/17/2016					0.589	<0.5		<0.5	
Benzene	71-43-2	ug/L	4/17/2017					<0.5	<0.5		<0.5	
Benzene	71-43-2	ug/L	10/11/2017					0.471J	<0.5		<0.5	
Benzene	71-43-2	ug/L	4/20/2018					0.456J				
Benzene	71-43-2	ug/L	4/24/2018						<0.5			
Benzene	71-43-2	ug/L	4/30/2018								<0.5	
Benzene	71-43-2	ug/L	10/16/2018					0.548	<0.5		<0.5	
Benzene	71-43-2	ug/L	4/16/2019					0.843	<0.5		<0.5	
Benzene	71-43-2	ug/L	10/1/2019					1.74	<0.5		<0.5	
Benzene	71-43-2	ug/L	3/30/2020					<5	<0.5		<0.5	
Benzene	71-43-2	ug/L	10/7/2020					2.5	<0.5		<0.5	
Benzene	71-43-2	ug/L	4/13/2021					2.5	<1		<1	
Benzene	71-43-2	ug/L	10/20/2021					4.2	<1		<1	

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Benzene	71-43-2	ug/L	5/2/2022					4.6	<1		<1	
Benzene	71-43-2	ug/L	10/14/2022					4.7	<1		<1	
Benzene	71-43-2	ug/L	5/1/2023					4.93	<0.5		0.45J	
Benzene	71-43-2	ug/L	10/16/2023					3.73	<0.5		<0.5	
Benzene	71-43-2	ug/L	4/29/2024					1.97	<0.5		<0.5	
Benzene	71-43-2	ug/L	10/9/2024					1.74				
Benzene	71-43-2	ug/L	10/10/2024						<0.500			
Benzene	71-43-2	ug/L	10/14/2024								<0.500	
Benzene	71-43-2	ug/L	4/24/2025						<0.500			
Benzene	71-43-2	ug/L	4/29/2025					1.96				
Benzene	71-43-2	ug/L	5/9/2025								<0.500	
Benzo [k] fluoranthene	207-08-9	ug/L	4/14/2009				<10	<10				
Benzo [k] fluoranthene	207-08-9	ug/L	5/10/2010				<10	<10				
Benzo [k] fluoranthene	207-08-9	ug/L	12/7/2010						<10			
Benzo [k] fluoranthene	207-08-9	ug/L	10/5/2015					<10.2				
Benzo [k] fluoranthene	207-08-9	ug/L	3/30/2020					<10.4				
Benzo[a]anthracene	56-55-3	ug/L	4/14/2009				<10	<10				
Benzo[a]anthracene	56-55-3	ug/L	5/10/2010				<10	<10				
Benzo[a]anthracene	56-55-3	ug/L	12/7/2010						<10			
Benzo[a]anthracene	56-55-3	ug/L	10/5/2015					<10.2				
Benzo[a]anthracene	56-55-3	ug/L	3/30/2020					<10.4				
Benzo[a]anthracene	56-55-3	ug/L	4/29/2025					<10.0				
Benzo[a]pyrene	50-32-8	ug/L	4/14/2009				<10	<10				
Benzo[a]pyrene	50-32-8	ug/L	5/10/2010				<10	<10				
Benzo[a]pyrene	50-32-8	ug/L	12/7/2010						<10			
Benzo[a]pyrene	50-32-8	ug/L	10/5/2015					<10.2				
Benzo[a]pyrene	50-32-8	ug/L	3/30/2020					<10.4				
Benzo[a]pyrene	50-32-8	ug/L	4/29/2025					<10.0				
Benzo[b]fluoranthene	205-99-2	ug/L	4/14/2009				<10	<10				
Benzo[b]fluoranthene	205-99-2	ug/L	5/10/2010				<10	<10				
Benzo[b]fluoranthene	205-99-2	ug/L	12/7/2010						<10			
Benzo[b]fluoranthene	205-99-2	ug/L	10/5/2015					<10.2				
Benzo[b]fluoranthene	205-99-2	ug/L	3/30/2020					<10.4				
Benzo[b]fluoranthene	205-99-2	ug/L	4/29/2025					<10.0				
Benzo[g,h,i]perylene	191-24-2	ug/L	4/14/2009				<10	<10				
Benzo[g,h,i]perylene	191-24-2	ug/L	5/10/2010				<10	<10				
Benzo[g,h,i]perylene	191-24-2	ug/L	12/7/2010						<10			
Benzo[g,h,i]perylene	191-24-2	ug/L	10/5/2015					<10.2				
Benzo[g,h,i]perylene	191-24-2	ug/L	3/30/2020					<10.4				
Benzo[g,h,i]perylene	191-24-2	ug/L	4/29/2025					<10.0				
Benzo[k]fluoranthene	207-08-9	ug/L	4/29/2025					<10.0				
Benzyl alcohol	100-51-6	ug/L	4/14/2009				<10	<10				
Benzyl alcohol	100-51-6	ug/L	5/10/2010				<10	<10				
Benzyl alcohol	100-51-6	ug/L	12/7/2010						<10			
Benzyl alcohol	100-51-6	ug/L	10/5/2015					<10.2				
Benzyl alcohol	100-51-6	ug/L	3/30/2020					<10.4				
Benzyl alcohol	100-51-6	ug/L	4/29/2025					<10.0				
Beryllium	7440-41-7	mg/L	2/27/2008				0.00109	<0.001				
Beryllium	7440-41-7	mg/L	5/12/2008				<0.001	<0.001				
Beryllium	7440-41-7	mg/L	7/13/2008				0.00189	<0.001				
Beryllium	7440-41-7	mg/L	9/14/2008				<0.001	<0.001				
Beryllium	7440-41-7	mg/L	11/17/2008				0.0022	<0.001				
Beryllium	7440-41-7	mg/L	4/14/2009				<0.001	<0.001				
Beryllium	7440-41-7	mg/L	10/25/2009				<0.001	<0.001				
Beryllium	7440-41-7	mg/L	5/10/2010				<0.0004	<0.0004				
Beryllium	7440-41-7	mg/L	11/1/2010				<0.001	<0.001				
Beryllium	7440-41-7	mg/L	12/7/2010						<0.001			
Beryllium	7440-41-7	mg/L	10/13/2011				<0.001	<0.001	<0.001			
Beryllium	7440-41-7	mg/L	4/11/2012				<0.001	<0.001	<0.001			
Beryllium	7440-41-7	mg/L	10/11/2012				<0.001	<0.001	<0.001			
Beryllium	7440-41-7	mg/L	3/30/2013				<0.001	<0.001	<0.001			
Beryllium	7440-41-7	mg/L	10/7/2013				<0.001	<0.001	<0.001			
Beryllium	7440-41-7	mg/L	6/2/2014				<0.001	<0.001	<0.001			

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Beryllium	7440-41-7	mg/L	10/15/2014				<0.001	<0.001	<0.001			
Beryllium	7440-41-7	mg/L	4/6/2015					<0.001				
Beryllium	7440-41-7	mg/L	10/5/2015					<0.001				
Beryllium	7440-41-7	mg/L	4/4/2016					<0.001				
Beryllium	7440-41-7	mg/L	10/17/2016					<0.001				
Beryllium	7440-41-7	mg/L	4/17/2017					<0.001				
Beryllium	7440-41-7	mg/L	10/11/2017					<0.001				
Beryllium	7440-41-7	mg/L	4/20/2018					<0.001				
Beryllium	7440-41-7	mg/L	10/16/2018					<0.001				
Beryllium	7440-41-7	mg/L	4/16/2019					<0.001				
Beryllium	7440-41-7	mg/L	10/1/2019					<0.001				
Beryllium	7440-41-7	mg/L	3/30/2020					<0.001				
Beryllium	7440-41-7	mg/L	10/7/2020					0.000288J				
Beryllium	7440-41-7	mg/L	4/13/2021					<0.004				
Beryllium	7440-41-7	mg/L	4/29/2025					<0.00100				
Beta-BHC	319-85-7	ug/L	4/14/2009				<0.032	<0.032				
Beta-BHC	319-85-7	ug/L	5/10/2010				<0.032	<0.032				
Beta-BHC	319-85-7	ug/L	12/7/2010						<0.032			
Beta-BHC	319-85-7	ug/L	10/5/2015					<0.0333				
Beta-BHC	319-85-7	ug/L	3/30/2020					<0.033				
Bicarbonate	BICARB	mg/L	6/2/2014				676	784	268			
Bicarbonate	BICARB	mg/L	10/15/2014				681	790	284			
Bicarbonate	BICARB	mg/L	4/16/2019									772
Bicarbonate	BICARB	mg/L	10/1/2019									736
Bis(2-chloroethoxy)methane	111-91-1	ug/L	4/29/2025					<10.0				
Bis(2-chloroethyl)ether	111-44-4	ug/L	4/29/2025					<10.0				
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	4/29/2025					<10.0				
Bis[2-chloroethoxy]methane	111-91-1	ug/L	4/14/2009				<10	<10				
Bis[2-chloroethoxy]methane	111-91-1	ug/L	5/10/2010				<10	<10				
Bis[2-chloroethoxy]methane	111-91-1	ug/L	12/7/2010						<10			
Bis[2-chloroethoxy]methane	111-91-1	ug/L	10/5/2015					<10.2				
Bis[2-chloroethoxy]methane	111-91-1	ug/L	3/30/2020					<10.4				
Bis[2-chloroethyl]ether	111-44-4	ug/L	4/14/2009				<10	<10				
Bis[2-chloroethyl]ether	111-44-4	ug/L	5/10/2010				<10	<10				
Bis[2-chloroethyl]ether	111-44-4	ug/L	12/7/2010						<10			
Bis[2-chloroethyl]ether	111-44-4	ug/L	10/5/2015					<10.2				
Bis[2-chloroethyl]ether	111-44-4	ug/L	3/30/2020					<10.4				
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	4/14/2009				<10	<10				
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	5/10/2010				<10	<10				
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	12/7/2010						<10			
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	10/5/2015					<10.2				
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	3/30/2020					<10.4				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/14/2009				<10	<10				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	5/10/2010				<10	<10				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	12/7/2010						<10			
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/5/2015					14.6				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/4/2016					0.882J				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/11/2016					0.823J				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/17/2016					0.897J				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	11/14/2016					0.848J				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/17/2017					<10.4				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/11/2017					<10.2				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/20/2018					<10.2				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/16/2018					<10.3				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/16/2019					<10.2				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	3/30/2020					<10.4				
Bromochloromethane	74-97-5	ug/L	2/27/2008				<5	<5				
Bromochloromethane	74-97-5	ug/L	5/12/2008				<5	<5				
Bromochloromethane	74-97-5	ug/L	7/13/2008				<5	<5				
Bromochloromethane	74-97-5	ug/L	9/14/2008				<5	<5				
Bromochloromethane	74-97-5	ug/L	11/17/2008				<5	<5				
Bromochloromethane	74-97-5	ug/L	4/14/2009				<5	<5				
Bromochloromethane	74-97-5	ug/L	10/25/2009				<5	<5				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Bromochloromethane	74-97-5	ug/L	5/10/2010				<5	<5				
Bromochloromethane	74-97-5	ug/L	11/1/2010				<5	<5				
Bromochloromethane	74-97-5	ug/L	12/7/2010						<5			
Bromochloromethane	74-97-5	ug/L	10/13/2011				<5	<5	<5			
Bromochloromethane	74-97-5	ug/L	4/11/2012				<5	<5	<5			
Bromochloromethane	74-97-5	ug/L	10/11/2012				<5	<5	<5			
Bromochloromethane	74-97-5	ug/L	3/30/2013				<5	<5	<5			
Bromochloromethane	74-97-5	ug/L	10/7/2013				<5	<5				
Bromochloromethane	74-97-5	ug/L	6/2/2014				<5	<5	<5			
Bromochloromethane	74-97-5	ug/L	10/15/2014				<5	<5	<5			
Bromochloromethane	74-97-5	ug/L	4/6/2015					<5				
Bromochloromethane	74-97-5	ug/L	10/5/2015					<5				
Bromochloromethane	74-97-5	ug/L	4/4/2016					<5				
Bromochloromethane	74-97-5	ug/L	10/17/2016					<5				
Bromochloromethane	74-97-5	ug/L	4/17/2017					<5				
Bromochloromethane	74-97-5	ug/L	10/11/2017					<5				
Bromochloromethane	74-97-5	ug/L	4/20/2018					<5				
Bromochloromethane	74-97-5	ug/L	10/16/2018					<5				
Bromochloromethane	74-97-5	ug/L	4/16/2019					<5				
Bromochloromethane	74-97-5	ug/L	10/1/2019					<5				
Bromochloromethane	74-97-5	ug/L	3/30/2020					<50				
Bromochloromethane	74-97-5	ug/L	10/7/2020					<5				
Bromochloromethane	74-97-5	ug/L	4/13/2021					<1				
Bromochloromethane	74-97-5	ug/L	4/29/2025					<5.00				
Bromodichloromethane	75-27-4	ug/L	2/27/2008				<1	<1				
Bromodichloromethane	75-27-4	ug/L	5/12/2008				<1	<1				
Bromodichloromethane	75-27-4	ug/L	7/13/2008				<1	<1				
Bromodichloromethane	75-27-4	ug/L	9/14/2008				<1	<1				
Bromodichloromethane	75-27-4	ug/L	11/17/2008				<1	<1				
Bromodichloromethane	75-27-4	ug/L	4/14/2009				<1	<1				
Bromodichloromethane	75-27-4	ug/L	10/25/2009				<1	<2				
Bromodichloromethane	75-27-4	ug/L	5/10/2010				<4	<4				
Bromodichloromethane	75-27-4	ug/L	11/1/2010				<1	<1				
Bromodichloromethane	75-27-4	ug/L	12/7/2010						<1			
Bromodichloromethane	75-27-4	ug/L	10/13/2011				<1	<1	<1			
Bromodichloromethane	75-27-4	ug/L	4/11/2012				<1	<1	<1			
Bromodichloromethane	75-27-4	ug/L	10/11/2012				<1	<2	<1			
Bromodichloromethane	75-27-4	ug/L	3/30/2013				<1	<1	<1			
Bromodichloromethane	75-27-4	ug/L	10/7/2013				<1	<1				
Bromodichloromethane	75-27-4	ug/L	6/2/2014				<1	<1	<1			
Bromodichloromethane	75-27-4	ug/L	10/15/2014				<1	<1	<1			
Bromodichloromethane	75-27-4	ug/L	4/6/2015					<1				
Bromodichloromethane	75-27-4	ug/L	10/5/2015					<1				
Bromodichloromethane	75-27-4	ug/L	4/4/2016					<1				
Bromodichloromethane	75-27-4	ug/L	10/17/2016					<1				
Bromodichloromethane	75-27-4	ug/L	4/17/2017					<1				
Bromodichloromethane	75-27-4	ug/L	10/11/2017					<1				
Bromodichloromethane	75-27-4	ug/L	4/20/2018					<1				
Bromodichloromethane	75-27-4	ug/L	10/16/2018					<1				
Bromodichloromethane	75-27-4	ug/L	4/16/2019					<1				
Bromodichloromethane	75-27-4	ug/L	10/1/2019					<1				
Bromodichloromethane	75-27-4	ug/L	3/30/2020					<10				
Bromodichloromethane	75-27-4	ug/L	10/7/2020					<1				
Bromodichloromethane	75-27-4	ug/L	4/13/2021					<1				
Bromodichloromethane	75-27-4	ug/L	4/29/2025					<1.00				
Bromoform	75-25-2	ug/L	2/27/2008				<5	<5				
Bromoform	75-25-2	ug/L	5/12/2008				<5	<5				
Bromoform	75-25-2	ug/L	7/13/2008				<5	<5				
Bromoform	75-25-2	ug/L	9/14/2008				<5	<5				
Bromoform	75-25-2	ug/L	11/17/2008				<5	<5				
Bromoform	75-25-2	ug/L	4/14/2009				<5	<5				
Bromoform	75-25-2	ug/L	10/25/2009				<20	<10				
Bromoform	75-25-2	ug/L	5/10/2010				<20	<20				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Bromoform	75-25-2	ug/L	11/1/2010				<10	<10				
Bromoform	75-25-2	ug/L	12/7/2010						<10			
Bromoform	75-25-2	ug/L	10/13/2011				<5	<5	<5			
Bromoform	75-25-2	ug/L	4/11/2012				<5	<5	<5			
Bromoform	75-25-2	ug/L	10/11/2012				<5	<5	<5			
Bromoform	75-25-2	ug/L	3/30/2013				<5	<5	<5			
Bromoform	75-25-2	ug/L	10/7/2013				<5	<5				
Bromoform	75-25-2	ug/L	6/2/2014				<5	<5	<5			
Bromoform	75-25-2	ug/L	10/15/2014				<5	<5	<5			
Bromoform	75-25-2	ug/L	4/6/2015					<5				
Bromoform	75-25-2	ug/L	10/5/2015					<5				
Bromoform	75-25-2	ug/L	4/4/2016					<5				
Bromoform	75-25-2	ug/L	10/17/2016					<5				
Bromoform	75-25-2	ug/L	4/17/2017					<5				
Bromoform	75-25-2	ug/L	10/11/2017					<5				
Bromoform	75-25-2	ug/L	4/20/2018					<5				
Bromoform	75-25-2	ug/L	10/16/2018					<5				
Bromoform	75-25-2	ug/L	4/16/2019					<5				
Bromoform	75-25-2	ug/L	10/1/2019					<5				
Bromoform	75-25-2	ug/L	3/30/2020					<50				
Bromoform	75-25-2	ug/L	10/7/2020					<5				
Bromoform	75-25-2	ug/L	4/13/2021					<1				
Bromoform	75-25-2	ug/L	4/29/2025					<5.00				
Bromomethane	74-83-9	ug/L	2/27/2008				<4	<4				
Bromomethane	74-83-9	ug/L	5/12/2008				<4	<4				
Bromomethane	74-83-9	ug/L	7/13/2008				<4	<4				
Bromomethane	74-83-9	ug/L	9/14/2008				<4	<4				
Bromomethane	74-83-9	ug/L	11/17/2008				<4	<4				
Bromomethane	74-83-9	ug/L	4/14/2009				<4	<4				
Bromomethane	74-83-9	ug/L	10/25/2009				<4	<4				
Bromomethane	74-83-9	ug/L	5/10/2010				<4	<4				
Bromomethane	74-83-9	ug/L	11/1/2010				<4	<4				
Bromomethane	74-83-9	ug/L	12/7/2010						<4			
Bromomethane	74-83-9	ug/L	10/13/2011				<4	<4	<4			
Bromomethane	74-83-9	ug/L	4/11/2012				<4	<4	<4			
Bromomethane	74-83-9	ug/L	10/11/2012				<4	<5	<4			
Bromomethane	74-83-9	ug/L	3/30/2013				<4	<4	<4			
Bromomethane	74-83-9	ug/L	10/7/2013				<4	<4				
Bromomethane	74-83-9	ug/L	6/2/2014				<4	<4	<4			
Bromomethane	74-83-9	ug/L	10/15/2014				<4	<4	<4			
Bromomethane	74-83-9	ug/L	4/6/2015					<4				
Bromomethane	74-83-9	ug/L	10/5/2015					<4				
Bromomethane	74-83-9	ug/L	4/4/2016					<4				
Bromomethane	74-83-9	ug/L	10/17/2016					<4				
Bromomethane	74-83-9	ug/L	4/17/2017					0.251J				
Bromomethane	74-83-9	ug/L	10/11/2017					<4				
Bromomethane	74-83-9	ug/L	4/20/2018					<4				
Bromomethane	74-83-9	ug/L	10/16/2018					<4				
Bromomethane	74-83-9	ug/L	4/16/2019					<40				
Bromomethane	74-83-9	ug/L	10/1/2019					<4				
Bromomethane	74-83-9	ug/L	3/30/2020					<40				
Bromomethane	74-83-9	ug/L	10/7/2020					<4				
Bromomethane	74-83-9	ug/L	4/13/2021					<1				
Bromomethane	74-83-9	ug/L	4/29/2025					<4.00				
Butyl benzyl phthalate	85-68-7	ug/L	4/14/2009				<10	<10				
Butyl benzyl phthalate	85-68-7	ug/L	5/10/2010				<10	<10				
Butyl benzyl phthalate	85-68-7	ug/L	12/7/2010						<10			
Butyl benzyl phthalate	85-68-7	ug/L	10/5/2015					<10.2				
Butyl benzyl phthalate	85-68-7	ug/L	3/30/2020					<10.4				
Butyl benzyl phthalate	85-68-7	ug/L	4/29/2025					<10.0				
Cadmium	7440-43-9	mg/L	2/27/2008				<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	5/12/2008				<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	7/13/2008				<0.0025	<0.0025				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Cadmium	7440-43-9	mg/L	9/14/2008				<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	11/17/2008				0.00276	<0.0005				
Cadmium	7440-43-9	mg/L	4/14/2009				<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	10/25/2009				<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	5/10/2010				0.00047	<0.0004				
Cadmium	7440-43-9	mg/L	12/7/2010						<0.0005			
Cadmium	7440-43-9	mg/L	4/4/2011						<0.0025			
Cadmium	7440-43-9	mg/L	10/13/2011				0.000644	<0.0005	<0.0005			
Cadmium	7440-43-9	mg/L	4/11/2012				<0.0005	<0.0005	<0.0005			
Cadmium	7440-43-9	mg/L	10/11/2012				<0.0005	<0.0005	<0.0005			
Cadmium	7440-43-9	mg/L	3/30/2013				<0.0005	<0.0005	<0.0005			
Cadmium	7440-43-9	mg/L	10/7/2013				<0.0005	<0.0005	<0.0005			
Cadmium	7440-43-9	mg/L	6/2/2014				<0.0005	<0.0005	<0.0005			
Cadmium	7440-43-9	mg/L	10/15/2014				<0.0005	<0.0005	<0.0005			
Cadmium	7440-43-9	mg/L	4/6/2015					<0.0005				
Cadmium	7440-43-9	mg/L	10/5/2015					<0.0005				
Cadmium	7440-43-9	mg/L	4/4/2016					<0.0005				
Cadmium	7440-43-9	mg/L	10/17/2016					<0.0005				
Cadmium	7440-43-9	mg/L	4/17/2017					<0.0005				
Cadmium	7440-43-9	mg/L	10/11/2017					<0.0005				
Cadmium	7440-43-9	mg/L	4/20/2018					<0.0005				
Cadmium	7440-43-9	mg/L	10/16/2018					<0.0005				
Cadmium	7440-43-9	mg/L	4/16/2019					<0.0005				
Cadmium	7440-43-9	mg/L	10/1/2019					<0.0001				
Cadmium	7440-43-9	mg/L	3/30/2020					<0.0001				
Cadmium	7440-43-9	mg/L	10/7/2020					0.000253				
Cadmium	7440-43-9	mg/L	4/13/2021					<0.0008				
Cadmium	7440-43-9	mg/L	4/29/2025					<0.000200				
Calcium	7440-70-2	mg/L	6/2/2014				217	176	67.8			
Calcium	7440-70-2	mg/L	10/15/2014				218	157	77.8			
Calcium	7440-70-2	mg/L	4/16/2019									238
Calcium	7440-70-2	mg/L	10/1/2019									230
Carbon Disulfide	75-15-0	ug/L	2/27/2008				<1	<1				
Carbon Disulfide	75-15-0	ug/L	5/12/2008				<1	<1				
Carbon Disulfide	75-15-0	ug/L	7/13/2008				<1	<1				
Carbon Disulfide	75-15-0	ug/L	9/14/2008				<1	<1				
Carbon Disulfide	75-15-0	ug/L	11/17/2008				<1	<1				
Carbon Disulfide	75-15-0	ug/L	4/14/2009				<1	<1				
Carbon Disulfide	75-15-0	ug/L	10/25/2009				<1	<5				
Carbon Disulfide	75-15-0	ug/L	5/10/2010				<4	<4				
Carbon Disulfide	75-15-0	ug/L	11/1/2010				<1	<1				
Carbon Disulfide	75-15-0	ug/L	12/7/2010						<1			
Carbon Disulfide	75-15-0	ug/L	10/13/2011				<1	<1	<1			
Carbon Disulfide	75-15-0	ug/L	4/11/2012				<1	<1	<1			
Carbon Disulfide	75-15-0	ug/L	10/11/2012				<1	<1	<1			
Carbon Disulfide	75-15-0	ug/L	3/30/2013				<1	<1	<1			
Carbon Disulfide	75-15-0	ug/L	10/7/2013				<1	<1				
Carbon Disulfide	75-15-0	ug/L	6/2/2014				<1	<1	<1			
Carbon Disulfide	75-15-0	ug/L	10/15/2014				<1	<1	<1			
Carbon Disulfide	75-15-0	ug/L	4/6/2015					<1				
Carbon Disulfide	75-15-0	ug/L	10/5/2015					<1				
Carbon Disulfide	75-15-0	ug/L	4/4/2016					<1				
Carbon Disulfide	75-15-0	ug/L	10/17/2016					<1				
Carbon Disulfide	75-15-0	ug/L	4/17/2017					<1				
Carbon Disulfide	75-15-0	ug/L	10/11/2017					<1				
Carbon Disulfide	75-15-0	ug/L	4/20/2018					<1				
Carbon Disulfide	75-15-0	ug/L	10/16/2018					<1				
Carbon Disulfide	75-15-0	ug/L	4/16/2019					<1				
Carbon Disulfide	75-15-0	ug/L	10/1/2019					<1				
Carbon Disulfide	75-15-0	ug/L	3/30/2020					<10				
Carbon Disulfide	75-15-0	ug/L	10/7/2020					<1				
Carbon Disulfide	75-15-0	ug/L	4/13/2021					<1				
Carbon Tetrachloride	56-23-5	ug/L	2/27/2008				<2	<2				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Carbon Tetrachloride	56-23-5	ug/L	5/12/2008				<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	7/13/2008				<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	9/14/2008				<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	11/17/2008				<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	4/14/2009				<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	10/25/2009				<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	5/10/2010				<4	<4				
Carbon Tetrachloride	56-23-5	ug/L	11/1/2010				<5	<5				
Carbon Tetrachloride	56-23-5	ug/L	12/7/2010						<2			
Carbon Tetrachloride	56-23-5	ug/L	10/13/2011				<2	<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	4/11/2012				<2	<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	10/11/2012				<2	<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	3/30/2013				<2	<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	10/7/2013				<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	6/2/2014				<2	<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	10/15/2014				<2	<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	4/6/2015					<2				
Carbon Tetrachloride	56-23-5	ug/L	10/5/2015					<2				
Carbon Tetrachloride	56-23-5	ug/L	4/4/2016					<2				
Carbon Tetrachloride	56-23-5	ug/L	10/17/2016					<2				
Carbon Tetrachloride	56-23-5	ug/L	4/17/2017					<2				
Carbon Tetrachloride	56-23-5	ug/L	10/11/2017					<2				
Carbon Tetrachloride	56-23-5	ug/L	4/20/2018					<2				
Carbon Tetrachloride	56-23-5	ug/L	10/16/2018					<2				
Carbon Tetrachloride	56-23-5	ug/L	4/16/2019					<2				
Carbon Tetrachloride	56-23-5	ug/L	10/1/2019					<2				
Carbon Tetrachloride	56-23-5	ug/L	3/30/2020					<20				
Carbon Tetrachloride	56-23-5	ug/L	10/7/2020					<2				
Carbon Tetrachloride	56-23-5	ug/L	4/13/2021					<1				
Carbon disulfide	75-15-0	ug/L	4/29/2025					<1.00				
Carbon tetrachloride	56-23-5	ug/L	4/29/2025					<2.00				
Carbonate	CARB	mg/L	6/2/2014				<5	<5	<5			
Carbonate	CARB	mg/L	10/15/2014				<5	<5	<5			
Carbonate	CARB	mg/L	4/16/2019									<5
Carbonate	CARB	mg/L	10/1/2019									<5
Chlordane	57-74-9	ug/L	4/14/2009				<2	<2				
Chlordane	57-74-9	ug/L	5/10/2010				<2	<2				
Chlordane	57-74-9	ug/L	12/7/2010						<2			
Chlordane	57-74-9	ug/L	10/5/2015					<2.08				
Chlordane	57-74-9	ug/L	3/30/2020					<2.06				
Chlordane (technical)	12789-03-6	ug/L	4/29/2025					<1.81				
Chloride	16887-00-6	mg/L	6/2/2014				170	6.05	7.86			
Chloride	16887-00-6	mg/L	10/15/2014				169	6.46	8.44			
Chloride	16887-00-6	mg/L	4/16/2019									83.7
Chloride	16887-00-6	mg/L	10/1/2019									80.3
Chlorobenzene	108-90-7	ug/L	2/27/2008				<1	<1				
Chlorobenzene	108-90-7	ug/L	5/12/2008				<1	<1				
Chlorobenzene	108-90-7	ug/L	7/13/2008				<1	<1				
Chlorobenzene	108-90-7	ug/L	9/14/2008				<1	<1				
Chlorobenzene	108-90-7	ug/L	11/17/2008				<1	<1				
Chlorobenzene	108-90-7	ug/L	4/14/2009				<1	<1				
Chlorobenzene	108-90-7	ug/L	10/25/2009				<1	<2				
Chlorobenzene	108-90-7	ug/L	5/10/2010				<1	<1				
Chlorobenzene	108-90-7	ug/L	11/1/2010				<1	<1				
Chlorobenzene	108-90-7	ug/L	12/7/2010						<1			
Chlorobenzene	108-90-7	ug/L	10/13/2011				<1	<1	<1			
Chlorobenzene	108-90-7	ug/L	4/11/2012				<1	<1	<1			
Chlorobenzene	108-90-7	ug/L	10/11/2012				<1	<1	<1			
Chlorobenzene	108-90-7	ug/L	3/30/2013				<1	<1	<1			
Chlorobenzene	108-90-7	ug/L	10/7/2013				<1	<1				
Chlorobenzene	108-90-7	ug/L	6/2/2014				<1	<1	<1			
Chlorobenzene	108-90-7	ug/L	10/15/2014				<1	<1	<1			
Chlorobenzene	108-90-7	ug/L	4/6/2015					<1				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Chlorobenzene	108-90-7	ug/L	10/5/2015					<1				
Chlorobenzene	108-90-7	ug/L	4/4/2016					<1				
Chlorobenzene	108-90-7	ug/L	10/17/2016					<1				
Chlorobenzene	108-90-7	ug/L	4/17/2017					<1				
Chlorobenzene	108-90-7	ug/L	10/11/2017					<1				
Chlorobenzene	108-90-7	ug/L	4/20/2018					<1				
Chlorobenzene	108-90-7	ug/L	10/16/2018					<1				
Chlorobenzene	108-90-7	ug/L	4/16/2019					<1				
Chlorobenzene	108-90-7	ug/L	10/1/2019					<1				
Chlorobenzene	108-90-7	ug/L	3/30/2020					<10				
Chlorobenzene	108-90-7	ug/L	10/7/2020					<1				
Chlorobenzene	108-90-7	ug/L	4/13/2021					<1				
Chlorobenzene	108-90-7	ug/L	4/29/2025					<1.00				
Chlorobenzilate	510-15-6	ug/L	4/14/2009				<10	<10				
Chlorobenzilate	510-15-6	ug/L	5/10/2010				<10	<10				
Chlorobenzilate	510-15-6	ug/L	12/7/2010						<10			
Chlorobenzilate	510-15-6	ug/L	10/5/2015					<10.2				
Chlorobenzilate	510-15-6	ug/L	3/30/2020					<10.4				
Chlorobenzilate	510-15-6	ug/L	4/29/2025					<10.0				
Chlorodibromomethane	124-48-1	ug/L	2/27/2008				<5	<5				
Chlorodibromomethane	124-48-1	ug/L	5/12/2008				<5	<5				
Chlorodibromomethane	124-48-1	ug/L	7/13/2008				<5	<5				
Chlorodibromomethane	124-48-1	ug/L	9/14/2008				<5	<5				
Chlorodibromomethane	124-48-1	ug/L	11/17/2008				<5	<5				
Chlorodibromomethane	124-48-1	ug/L	4/14/2009				<5	<5				
Chlorodibromomethane	124-48-1	ug/L	10/25/2009				<5	<5				
Chlorodibromomethane	124-48-1	ug/L	5/10/2010				<5	<5				
Chlorodibromomethane	124-48-1	ug/L	11/1/2010				<5	<5				
Chlorodibromomethane	124-48-1	ug/L	12/7/2010						<5			
Chlorodibromomethane	124-48-1	ug/L	10/13/2011				<5	<5	<5			
Chlorodibromomethane	124-48-1	ug/L	4/11/2012				<5	<5	<5			
Chlorodibromomethane	124-48-1	ug/L	10/11/2012				<5	<5	<5			
Chlorodibromomethane	124-48-1	ug/L	3/30/2013				<5	<5	<5			
Chlorodibromomethane	124-48-1	ug/L	10/7/2013				<5	<5				
Chlorodibromomethane	124-48-1	ug/L	6/2/2014				<5	<5	<5			
Chlorodibromomethane	124-48-1	ug/L	10/15/2014				<5	<5	<5			
Chlorodibromomethane	124-48-1	ug/L	4/6/2015					<5				
Chlorodibromomethane	124-48-1	ug/L	10/5/2015					<5				
Chlorodibromomethane	124-48-1	ug/L	4/4/2016					<5				
Chlorodibromomethane	124-48-1	ug/L	10/17/2016					<5				
Chlorodibromomethane	124-48-1	ug/L	4/17/2017					<5				
Chlorodibromomethane	124-48-1	ug/L	10/11/2017					<5				
Chlorodibromomethane	124-48-1	ug/L	4/20/2018					<5				
Chlorodibromomethane	124-48-1	ug/L	10/16/2018					<5				
Chlorodibromomethane	124-48-1	ug/L	4/16/2019					<5				
Chlorodibromomethane	124-48-1	ug/L	10/1/2019					<5				
Chlorodibromomethane	124-48-1	ug/L	3/30/2020					<50				
Chlorodibromomethane	124-48-1	ug/L	10/7/2020					<5				
Chlorodibromomethane	124-48-1	ug/L	4/13/2021					<1				
Chlorodibromomethane	124-48-1	ug/L	4/29/2025					<5.00				
Chloroethane	75-00-3	ug/L	2/27/2008				<4	<4				
Chloroethane	75-00-3	ug/L	5/12/2008				<4	<4				
Chloroethane	75-00-3	ug/L	7/13/2008				<4	<4				
Chloroethane	75-00-3	ug/L	9/14/2008				<4	<4				
Chloroethane	75-00-3	ug/L	11/17/2008				<4	<4				
Chloroethane	75-00-3	ug/L	4/14/2009				<4	<4				
Chloroethane	75-00-3	ug/L	10/25/2009				<4	<4				
Chloroethane	75-00-3	ug/L	5/10/2010				<4	<4				
Chloroethane	75-00-3	ug/L	11/1/2010				<4	<4				
Chloroethane	75-00-3	ug/L	12/7/2010						<4			
Chloroethane	75-00-3	ug/L	10/13/2011				<4	<4	<4			
Chloroethane	75-00-3	ug/L	4/11/2012				<4	<4	<4			
Chloroethane	75-00-3	ug/L	10/11/2012				<4	<4	<4			

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Chloroethane	75-00-3	ug/L	3/30/2013				<4	<4	<4			
Chloroethane	75-00-3	ug/L	10/7/2013				<4	<4				
Chloroethane	75-00-3	ug/L	6/2/2014				<4	2.4J	<4			
Chloroethane	75-00-3	ug/L	10/15/2014				<4	1.77J	<4			
Chloroethane	75-00-3	ug/L	4/6/2015					1.99J				
Chloroethane	75-00-3	ug/L	10/5/2015					1.91J				
Chloroethane	75-00-3	ug/L	4/4/2016					2.75J				
Chloroethane	75-00-3	ug/L	10/17/2016					4.05				
Chloroethane	75-00-3	ug/L	4/17/2017					<4				
Chloroethane	75-00-3	ug/L	10/11/2017					6				
Chloroethane	75-00-3	ug/L	4/20/2018					4.51				
Chloroethane	75-00-3	ug/L	10/16/2018					3.71J				
Chloroethane	75-00-3	ug/L	4/16/2019					4.63				
Chloroethane	75-00-3	ug/L	10/1/2019					6.57				
Chloroethane	75-00-3	ug/L	3/30/2020					<40				
Chloroethane	75-00-3	ug/L	10/7/2020					10.3				
Chloroethane	75-00-3	ug/L	4/13/2021					9.4				
Chloroethane	75-00-3	ug/L	4/29/2025					9.70				
Chloroform	67-66-3	ug/L	2/27/2008				<1	<1				
Chloroform	67-66-3	ug/L	5/12/2008				<1	<1				
Chloroform	67-66-3	ug/L	7/13/2008				<1	<1				
Chloroform	67-66-3	ug/L	9/14/2008				<1	<1				
Chloroform	67-66-3	ug/L	11/17/2008				<1	<1				
Chloroform	67-66-3	ug/L	4/14/2009				<1	<1				
Chloroform	67-66-3	ug/L	10/25/2009				<1	<2				
Chloroform	67-66-3	ug/L	5/10/2010				<1	<1				
Chloroform	67-66-3	ug/L	11/1/2010				<1	<1				
Chloroform	67-66-3	ug/L	12/7/2010						<1			
Chloroform	67-66-3	ug/L	10/13/2011				<1	<1	<1			
Chloroform	67-66-3	ug/L	4/11/2012				<1	<1	<1			
Chloroform	67-66-3	ug/L	10/11/2012				<1	<2	<1			
Chloroform	67-66-3	ug/L	3/30/2013				<1	<1	<1			
Chloroform	67-66-3	ug/L	10/7/2013				<1	<1				
Chloroform	67-66-3	ug/L	6/2/2014				<1	<1	<1			
Chloroform	67-66-3	ug/L	10/15/2014				<1	<1	<1			
Chloroform	67-66-3	ug/L	4/6/2015					<1				
Chloroform	67-66-3	ug/L	10/5/2015					<1				
Chloroform	67-66-3	ug/L	4/4/2016					<1				
Chloroform	67-66-3	ug/L	10/17/2016					<1				
Chloroform	67-66-3	ug/L	4/17/2017					<1				
Chloroform	67-66-3	ug/L	10/11/2017					<1				
Chloroform	67-66-3	ug/L	4/20/2018					<1				
Chloroform	67-66-3	ug/L	10/16/2018					<3				
Chloroform	67-66-3	ug/L	4/16/2019					<3				
Chloroform	67-66-3	ug/L	10/1/2019					<3				
Chloroform	67-66-3	ug/L	3/30/2020					<30				
Chloroform	67-66-3	ug/L	10/7/2020					<3				
Chloroform	67-66-3	ug/L	4/13/2021					<1				
Chloroform	67-66-3	ug/L	4/29/2025					<3.00				
Chloromethane	74-87-3	ug/L	2/27/2008				<3	<3				
Chloromethane	74-87-3	ug/L	5/12/2008				<3	<3				
Chloromethane	74-87-3	ug/L	7/13/2008				<3	<3				
Chloromethane	74-87-3	ug/L	9/14/2008				<3	<3				
Chloromethane	74-87-3	ug/L	11/17/2008				<3	<3				
Chloromethane	74-87-3	ug/L	4/14/2009				<3	<3				
Chloromethane	74-87-3	ug/L	10/25/2009				<3	<3				
Chloromethane	74-87-3	ug/L	5/10/2010				<3	<3				
Chloromethane	74-87-3	ug/L	11/1/2010				<3	<3				
Chloromethane	74-87-3	ug/L	12/7/2010						<3			
Chloromethane	74-87-3	ug/L	10/13/2011				<3	<3	<3			
Chloromethane	74-87-3	ug/L	4/11/2012				<3	<3	<3			
Chloromethane	74-87-3	ug/L	10/11/2012				<3	<3	<3			
Chloromethane	74-87-3	ug/L	3/30/2013				<3	<3	<3			

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Chloromethane	74-87-3	ug/L	10/7/2013				<3	<3				
Chloromethane	74-87-3	ug/L	6/2/2014				<3	<3	<3			
Chloromethane	74-87-3	ug/L	10/15/2014				<3	<3	<3			
Chloromethane	74-87-3	ug/L	4/6/2015					<3				
Chloromethane	74-87-3	ug/L	10/5/2015					<3				
Chloromethane	74-87-3	ug/L	4/4/2016					<3				
Chloromethane	74-87-3	ug/L	10/17/2016					<3				
Chloromethane	74-87-3	ug/L	4/17/2017					0.426J				
Chloromethane	74-87-3	ug/L	10/11/2017					<3				
Chloromethane	74-87-3	ug/L	4/20/2018					<3				
Chloromethane	74-87-3	ug/L	10/16/2018					<3				
Chloromethane	74-87-3	ug/L	4/16/2019					<3				
Chloromethane	74-87-3	ug/L	10/1/2019					<3				
Chloromethane	74-87-3	ug/L	3/30/2020					<30				
Chloromethane	74-87-3	ug/L	10/7/2020					<3				
Chloromethane	74-87-3	ug/L	4/13/2021					<1				
Chloromethane	74-87-3	ug/L	4/29/2025					<3.00				
Chloroprene	126-99-8	ug/L	4/14/2009				<1	<1				
Chloroprene	126-99-8	ug/L	5/10/2010				<1	<1				
Chloroprene	126-99-8	ug/L	12/7/2010						<1			
Chloroprene	126-99-8	ug/L	10/5/2015					<1				
Chloroprene	126-99-8	ug/L	3/30/2020					<10				
Chloroprene	126-99-8	ug/L	4/29/2025					<1.00				
Chromium	7440-47-3	mg/L	2/27/2008				<0.1	<0.1				
Chromium	7440-47-3	mg/L	5/12/2008				<0.1	<0.1				
Chromium	7440-47-3	mg/L	7/13/2008				<0.1	<0.1				
Chromium	7440-47-3	mg/L	9/14/2008				<0.1	<0.1				
Chromium	7440-47-3	mg/L	11/17/2008				<0.02	<0.02				
Chromium	7440-47-3	mg/L	4/14/2009				<0.1	<0.1				
Chromium	7440-47-3	mg/L	10/25/2009				<0.1	<0.1				
Chromium	7440-47-3	mg/L	5/10/2010				<0.02	<0.02				
Chromium	7440-47-3	mg/L	12/7/2010						<0.02			
Chromium	7440-47-3	mg/L	4/4/2011						<0.1			
Chromium	7440-47-3	mg/L	10/13/2011				<0.02	<0.02	<0.02			
Chromium	7440-47-3	mg/L	4/11/2012				<0.02	<0.02	<0.02			
Chromium	7440-47-3	mg/L	10/11/2012				<0.02	<0.02	<0.02			
Chromium	7440-47-3	mg/L	3/30/2013				<0.02	<0.02	<0.02			
Chromium	7440-47-3	mg/L	10/7/2013				<0.02	<0.02	<0.02			
Chromium	7440-47-3	mg/L	6/2/2014				<0.02	<0.02	<0.02			
Chromium	7440-47-3	mg/L	10/15/2014				<0.02	<0.02	<0.02			
Chromium	7440-47-3	mg/L	4/6/2015					<0.005				
Chromium	7440-47-3	mg/L	10/5/2015					<0.005				
Chromium	7440-47-3	mg/L	4/4/2016					<0.005				
Chromium	7440-47-3	mg/L	10/17/2016					<0.005				
Chromium	7440-47-3	mg/L	4/17/2017					<0.005				
Chromium	7440-47-3	mg/L	10/11/2017					<0.005				
Chromium	7440-47-3	mg/L	4/20/2018					<0.005				
Chromium	7440-47-3	mg/L	10/16/2018					0.00148J				
Chromium	7440-47-3	mg/L	4/16/2019					<0.005				
Chromium	7440-47-3	mg/L	10/1/2019					<0.005				
Chromium	7440-47-3	mg/L	3/30/2020					<0.005				
Chromium	7440-47-3	mg/L	10/7/2020					<0.005				
Chromium	7440-47-3	mg/L	4/13/2021					<0.008				
Chromium	7440-47-3	mg/L	4/29/2025					<0.00500				
Chrysene	218-01-9	ug/L	4/14/2009				<10	<10				
Chrysene	218-01-9	ug/L	5/10/2010				<10	<10				
Chrysene	218-01-9	ug/L	12/7/2010						<10			
Chrysene	218-01-9	ug/L	10/5/2015					<10.2				
Chrysene	218-01-9	ug/L	3/30/2020					<10.4				
Chrysene	218-01-9	ug/L	4/29/2025					<10.0				
Cobalt	7440-48-4	mg/L	2/27/2008				0.0243	<0.02				
Cobalt	7440-48-4	mg/L	5/12/2008				<0.02	<0.02				
Cobalt	7440-48-4	mg/L	7/13/2008				0.0217	<0.02				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Cobalt	7440-48-4	mg/L	9/14/2008				<0.02	<0.02				
Cobalt	7440-48-4	mg/L	11/17/2008				<0.02	<0.02				
Cobalt	7440-48-4	mg/L	4/14/2009				<0.02	<0.02				
Cobalt	7440-48-4	mg/L	10/25/2009				<0.02	<0.02				
Cobalt	7440-48-4	mg/L	5/10/2010				0.012	<0.02				
Cobalt	7440-48-4	mg/L	11/1/2010				0.0116	<0.02				
Cobalt	7440-48-4	mg/L	12/7/2010						0.00268			
Cobalt	7440-48-4	mg/L	1/10/2011						0.00336			
Cobalt	7440-48-4	mg/L	4/4/2011						<0.02			
Cobalt	7440-48-4	mg/L	7/8/2011						<0.02			
Cobalt	7440-48-4	mg/L	8/11/2011						0.002			
Cobalt	7440-48-4	mg/L	10/13/2011				0.0141	<0.02	<0.02			
Cobalt	7440-48-4	mg/L	4/11/2012				0.0104	<0.02	<0.02			
Cobalt	7440-48-4	mg/L	10/11/2012				0.0094	<0.02	0.00166			
Cobalt	7440-48-4	mg/L	3/30/2013				0.0115	0.00213	<0.00132			
Cobalt	7440-48-4	mg/L	10/7/2013				0.0107	0.0119	<0.007			
Cobalt	7440-48-4	mg/L	6/2/2014				0.01	<0.00241	<0.00241			
Cobalt	7440-48-4	mg/L	10/15/2014				0.0104	<0.00241	<0.00241			
Cobalt	7440-48-4	mg/L	4/6/2015					0.00109				
Cobalt	7440-48-4	mg/L	10/5/2015					0.00386				
Cobalt	7440-48-4	mg/L	4/4/2016					0.0092				
Cobalt	7440-48-4	mg/L	10/17/2016					0.0025				
Cobalt	7440-48-4	mg/L	4/17/2017					0.00634				
Cobalt	7440-48-4	mg/L	10/11/2017	0.00633	0.000183J			0.00327				
Cobalt	7440-48-4	mg/L	4/20/2018					0.00375				
Cobalt	7440-48-4	mg/L	4/30/2018	0.00769	0.000089J							
Cobalt	7440-48-4	mg/L	10/16/2018	0.00537	0.000093J			0.00425				0.00607
Cobalt	7440-48-4	mg/L	4/16/2019	0.00639	0.000096J			0.00289				0.00885
Cobalt	7440-48-4	mg/L	10/1/2019	0.00491	<0.0005			0.00398				0.0106
Cobalt	7440-48-4	mg/L	3/30/2020	0.00486	<0.0005			0.00405				0.00988
Cobalt	7440-48-4	mg/L	10/7/2020	0.00558	0.00015J			0.0031				0.00594
Cobalt	7440-48-4	mg/L	4/13/2021	0.006	<0.0004			0.0038				0.008
Cobalt	7440-48-4	mg/L	10/20/2021	0.0071				0.006				0.0095
Cobalt	7440-48-4	mg/L	5/2/2022	0.0056				0.0029				0.0086
Cobalt	7440-48-4	mg/L	10/14/2022	0.0052				0.0038				0.0076
Cobalt	7440-48-4	mg/L	5/1/2023	0.00574				0.00245				0.00916
Cobalt	7440-48-4	mg/L	10/16/2023	0.00706				0.00167				0.00759
Cobalt	7440-48-4	mg/L	4/29/2024	0.00559				0.00126				0.00822
Cobalt	7440-48-4	mg/L	10/9/2024					0.00281				
Cobalt	7440-48-4	mg/L	10/10/2024									0.00831
Cobalt	7440-48-4	mg/L	10/14/2024	0.00581								
Cobalt	7440-48-4	mg/L	4/24/2025									0.00889
Cobalt	7440-48-4	mg/L	4/29/2025					0.00164				
Cobalt	7440-48-4	mg/L	5/9/2025	0.00545								
Copper	7440-50-8	mg/L	2/27/2008				0.062	0.034				
Copper	7440-50-8	mg/L	5/12/2008				0.083	<0.025				
Copper	7440-50-8	mg/L	7/13/2008				0.047	<0.025				
Copper	7440-50-8	mg/L	9/14/2008				<0.025	<0.025				
Copper	7440-50-8	mg/L	11/17/2008				0.0288	<0.02				
Copper	7440-50-8	mg/L	4/14/2009				<0.025	<0.025				
Copper	7440-50-8	mg/L	10/25/2009				<0.025	<0.025				
Copper	7440-50-8	mg/L	5/10/2010				<0.02	<0.02				
Copper	7440-50-8	mg/L	12/7/2010						<0.02			
Copper	7440-50-8	mg/L	4/4/2011						<0.025			
Copper	7440-50-8	mg/L	10/13/2011				0.0225	<0.02	<0.02			
Copper	7440-50-8	mg/L	4/11/2012				<0.02	<0.02	<0.02			
Copper	7440-50-8	mg/L	10/11/2012				<0.02	<0.02	<0.02			
Copper	7440-50-8	mg/L	3/30/2013				<0.02	<0.02	<0.02			
Copper	7440-50-8	mg/L	10/7/2013				<0.02	<0.02	<0.02			
Copper	7440-50-8	mg/L	6/2/2014				<0.02	<0.02	<0.02			
Copper	7440-50-8	mg/L	10/15/2014				<0.02	0.0569	<0.02			
Copper	7440-50-8	mg/L	4/6/2015					<0.002				
Copper	7440-50-8	mg/L	10/5/2015					<0.002				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Copper	7440-50-8	mg/L	4/4/2016					<0.005				
Copper	7440-50-8	mg/L	10/17/2016					<0.005				
Copper	7440-50-8	mg/L	4/17/2017					<0.005				
Copper	7440-50-8	mg/L	10/11/2017					<0.005				
Copper	7440-50-8	mg/L	4/20/2018					<0.005				
Copper	7440-50-8	mg/L	10/16/2018					0.000873J				
Copper	7440-50-8	mg/L	4/16/2019					<0.005				
Copper	7440-50-8	mg/L	10/1/2019					<0.005				
Copper	7440-50-8	mg/L	3/30/2020					<0.005				
Copper	7440-50-8	mg/L	10/7/2020					<0.005				
Copper	7440-50-8	mg/L	4/13/2021					<0.004				
Copper	7440-50-8	mg/L	4/29/2025					<0.00500				
Cyanide	57-12-5	mg/L	4/14/2009				<0.01	<0.01				
Cyanide	57-12-5	mg/L	5/10/2010				<0.01	<0.01				
Cyanide	57-12-5	mg/L	12/7/2010						<0.01			
Cyanide	57-12-5	mg/L	10/5/2015					<0.01				
Cyanide	57-12-5	mg/L	3/30/2020					<0.01				
Cyanide, Total	57-12-5	mg/L	4/29/2025					<0.0100				
DCAA	19719-28-9	ug/L	4/29/2025					1.87; 1.82				
Delta-BHC	319-86-8	ug/L	4/14/2009				<0.032	<0.032				
Delta-BHC	319-86-8	ug/L	5/10/2010				<0.032	<0.032				
Delta-BHC	319-86-8	ug/L	12/7/2010						<0.032			
Delta-BHC	319-86-8	ug/L	10/5/2015					<0.0333				
Delta-BHC	319-86-8	ug/L	3/30/2020					<0.033				
Di-n-butyl phthalate	84-74-2	ug/L	4/14/2009				<10	<10				
Di-n-butyl phthalate	84-74-2	ug/L	5/10/2010				<10	<10				
Di-n-butyl phthalate	84-74-2	ug/L	12/7/2010						<10			
Di-n-butyl phthalate	84-74-2	ug/L	10/5/2015					<10.2				
Di-n-butyl phthalate	84-74-2	ug/L	3/30/2020					<10.4				
Di-n-butyl phthalate	84-74-2	ug/L	4/29/2025					<10.0				
Di-n-octyl phthalate	117-84-0	ug/L	4/14/2009				<10	<10				
Di-n-octyl phthalate	117-84-0	ug/L	5/10/2010				<10	<10				
Di-n-octyl phthalate	117-84-0	ug/L	12/7/2010						<10			
Di-n-octyl phthalate	117-84-0	ug/L	10/5/2015					<20.4				
Di-n-octyl phthalate	117-84-0	ug/L	3/30/2020					<20.8				
Di-n-octyl phthalate	117-84-0	ug/L	4/29/2025					<20.0				
Diallate	2303-16-4	ug/L	4/14/2009				<10	<10				
Diallate	2303-16-4	ug/L	5/10/2010				<10	<10				
Diallate	2303-16-4	ug/L	12/7/2010						<10			
Diallate	2303-16-4	ug/L	10/5/2015					<10.2				
Diallate	2303-16-4	ug/L	3/30/2020					<10.4				
Diallate	2303-16-4	ug/L	4/29/2025					<10.0				
Dibenz [a,h] anthracene	53-70-3	ug/L	4/14/2009				<10	<10				
Dibenz [a,h] anthracene	53-70-3	ug/L	5/10/2010				<10	<10				
Dibenz [a,h] anthracene	53-70-3	ug/L	12/7/2010						<10			
Dibenz [a,h] anthracene	53-70-3	ug/L	10/5/2015					<10.2				
Dibenz [a,h] anthracene	53-70-3	ug/L	3/30/2020					<10.4				
Dibenzo(a,h)anthracene	53-70-3	ug/L	4/29/2025					<10.0				
Dibenzofuran	132-64-9	ug/L	4/14/2009				<10	<10				
Dibenzofuran	132-64-9	ug/L	5/10/2010				<10	<10				
Dibenzofuran	132-64-9	ug/L	12/7/2010						<10			
Dibenzofuran	132-64-9	ug/L	10/5/2015					<10.2				
Dibenzofuran	132-64-9	ug/L	3/30/2020					<10.4				
Dibenzofuran	132-64-9	ug/L	4/29/2025					<10.0				
Dibromomethane	74-95-3	ug/L	2/27/2008				<1	<1				
Dibromomethane	74-95-3	ug/L	5/12/2008				<1	<1				
Dibromomethane	74-95-3	ug/L	7/13/2008				<1	<1				
Dibromomethane	74-95-3	ug/L	9/14/2008				<1	<1				
Dibromomethane	74-95-3	ug/L	11/17/2008				<1	<1				
Dibromomethane	74-95-3	ug/L	4/14/2009				<1	<1				
Dibromomethane	74-95-3	ug/L	10/25/2009				<1	<2				
Dibromomethane	74-95-3	ug/L	5/10/2010				<1	<1				
Dibromomethane	74-95-3	ug/L	11/1/2010				<1	<1				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Dibromomethane	74-95-3	ug/L	12/7/2010						<1			
Dibromomethane	74-95-3	ug/L	10/13/2011				<1	<1	<1			
Dibromomethane	74-95-3	ug/L	4/11/2012				<1	<1	<1			
Dibromomethane	74-95-3	ug/L	10/11/2012				<1	<1	<1			
Dibromomethane	74-95-3	ug/L	3/30/2013				<1	<1	<1			
Dibromomethane	74-95-3	ug/L	10/7/2013				<1	<1				
Dibromomethane	74-95-3	ug/L	6/2/2014				<1	<1	<1			
Dibromomethane	74-95-3	ug/L	10/15/2014				<1	<1	<1			
Dibromomethane	74-95-3	ug/L	4/6/2015					<1				
Dibromomethane	74-95-3	ug/L	10/5/2015					<1				
Dibromomethane	74-95-3	ug/L	4/4/2016					<1				
Dibromomethane	74-95-3	ug/L	10/17/2016					<1				
Dibromomethane	74-95-3	ug/L	4/17/2017					<1				
Dibromomethane	74-95-3	ug/L	10/11/2017					<1				
Dibromomethane	74-95-3	ug/L	4/20/2018					<1				
Dibromomethane	74-95-3	ug/L	10/16/2018					<1				
Dibromomethane	74-95-3	ug/L	4/16/2019					<1				
Dibromomethane	74-95-3	ug/L	10/1/2019					<1				
Dibromomethane	74-95-3	ug/L	3/30/2020					<10				
Dibromomethane	74-95-3	ug/L	10/7/2020					<1				
Dibromomethane	74-95-3	ug/L	4/13/2021					<1				
Dibromomethane	74-95-3	ug/L	4/29/2025					<1.00				
Dichlorodifluoromethane	75-71-8	ug/L	4/14/2009				<3	37.4				
Dichlorodifluoromethane	75-71-8	ug/L	7/7/2009					33.4				
Dichlorodifluoromethane	75-71-8	ug/L	9/2/2009					35.1				
Dichlorodifluoromethane	75-71-8	ug/L	1/2/2010					37.5				
Dichlorodifluoromethane	75-71-8	ug/L	5/10/2010				<3	23.5				
Dichlorodifluoromethane	75-71-8	ug/L	11/1/2010					32.2				
Dichlorodifluoromethane	75-71-8	ug/L	12/7/2010						<3			
Dichlorodifluoromethane	75-71-8	ug/L	4/4/2011					13.7				
Dichlorodifluoromethane	75-71-8	ug/L	10/13/2011					15.6				
Dichlorodifluoromethane	75-71-8	ug/L	4/11/2012					7.37				
Dichlorodifluoromethane	75-71-8	ug/L	10/11/2012					10.4				
Dichlorodifluoromethane	75-71-8	ug/L	3/30/2013					7.82				
Dichlorodifluoromethane	75-71-8	ug/L	10/7/2013					8.29				
Dichlorodifluoromethane	75-71-8	ug/L	6/2/2014					5.68				
Dichlorodifluoromethane	75-71-8	ug/L	10/15/2014					8.73				
Dichlorodifluoromethane	75-71-8	ug/L	4/6/2015					6.27				
Dichlorodifluoromethane	75-71-8	ug/L	10/5/2015					4.62				
Dichlorodifluoromethane	75-71-8	ug/L	4/4/2016					5.99				
Dichlorodifluoromethane	75-71-8	ug/L	10/17/2016					11.9				
Dichlorodifluoromethane	75-71-8	ug/L	4/17/2017					<3				
Dichlorodifluoromethane	75-71-8	ug/L	10/11/2017					3.01				
Dichlorodifluoromethane	75-71-8	ug/L	4/20/2018					3.84				
Dichlorodifluoromethane	75-71-8	ug/L	10/16/2018					6.4				
Dichlorodifluoromethane	75-71-8	ug/L	4/16/2019					1.99J				
Dichlorodifluoromethane	75-71-8	ug/L	10/1/2019					1.74J				
Dichlorodifluoromethane	75-71-8	ug/L	3/30/2020					<30				
Dichlorodifluoromethane	75-71-8	ug/L	10/7/2020					0.983J				
Dichlorodifluoromethane	75-71-8	ug/L	4/13/2021					1.3				
Dichlorodifluoromethane	75-71-8	ug/L	4/29/2025					1.78				
Dieldrin	60-57-1	ug/L	4/14/2009				<0.032	<0.032				
Dieldrin	60-57-1	ug/L	5/10/2010				<0.032	<0.032				
Dieldrin	60-57-1	ug/L	12/7/2010						<0.032			
Dieldrin	60-57-1	ug/L	10/5/2015					<0.0333				
Dieldrin	60-57-1	ug/L	3/30/2020					<0.033				
Dieldrin	60-57-1	ug/L	4/29/2025					<0.0904				
Diethyl phthalate	84-66-2	ug/L	4/14/2009				<10	<10				
Diethyl phthalate	84-66-2	ug/L	5/10/2010				<10	<10				
Diethyl phthalate	84-66-2	ug/L	12/7/2010						<10			
Diethyl phthalate	84-66-2	ug/L	10/5/2015					<10.2				
Diethyl phthalate	84-66-2	ug/L	3/30/2020					<10.4				
Diethyl phthalate	84-66-2	ug/L	4/29/2025					<10.0				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Dimethoate	60-51-5	ug/L	4/14/2009				<10	<10				
Dimethoate	60-51-5	ug/L	5/10/2010				<10	<10				
Dimethoate	60-51-5	ug/L	12/7/2010						<10			
Dimethoate	60-51-5	ug/L	10/5/2015					<10.2				
Dimethoate	60-51-5	ug/L	3/30/2020					<10.4				
Dimethoate	60-51-5	ug/L	4/29/2025					<10.0				
Dimethyl phthalate	131-11-3	ug/L	4/14/2009				<10	<10				
Dimethyl phthalate	131-11-3	ug/L	5/10/2010				<10	<10				
Dimethyl phthalate	131-11-3	ug/L	12/7/2010						<10			
Dimethyl phthalate	131-11-3	ug/L	10/5/2015					<10.2				
Dimethyl phthalate	131-11-3	ug/L	3/30/2020					<10.4				
Dimethyl phthalate	131-11-3	ug/L	4/29/2025					<10.0				
Dimethylaminoazobenzene	60-11-7	ug/L	4/14/2009				<10	<10				
Dimethylaminoazobenzene	60-11-7	ug/L	5/10/2010				<10	<10				
Dimethylaminoazobenzene	60-11-7	ug/L	12/7/2010						<10			
Dimethylaminoazobenzene	60-11-7	ug/L	10/5/2015					<10.2				
Dimethylaminoazobenzene	60-11-7	ug/L	3/30/2020					<10.4				
Dinoseb	88-85-7	ug/L	4/14/2009				<10	<10				
Dinoseb	88-85-7	ug/L	5/10/2010				<10	<10				
Dinoseb	88-85-7	ug/L	12/7/2010						<10			
Dinoseb	88-85-7	ug/L	10/5/2015					<10.2				
Dinoseb	88-85-7	ug/L	3/30/2020					<10.4				
Dinoseb	88-85-7	ug/L	4/29/2025					<10.0				
Diphenylamine	122-39-4	ug/L	4/14/2009				<10	<10				
Diphenylamine	122-39-4	ug/L	5/10/2010				<10	<10				
Diphenylamine	122-39-4	ug/L	12/7/2010						<10			
Diphenylamine	122-39-4	ug/L	10/5/2015					<10.2				
Diphenylamine	122-39-4	ug/L	3/30/2020					<10.4				
Diphenylamine	122-39-4	ug/L	4/29/2025					<10.0				
Disulfoton	298-04-4	ug/L	4/14/2009				<70	<70				
Disulfoton	298-04-4	ug/L	5/10/2010				<10	<10				
Disulfoton	298-04-4	ug/L	12/7/2010						<10			
Disulfoton	298-04-4	ug/L	10/5/2015					<10.2				
Disulfoton	298-04-4	ug/L	3/30/2020					<10.4				
Disulfoton	298-04-4	ug/L	4/29/2025					<10.0				
Endosulfan I	959-98-8	ug/L	4/14/2009				<0.032	<0.032				
Endosulfan I	959-98-8	ug/L	5/10/2010				<0.032	<0.032				
Endosulfan I	959-98-8	ug/L	12/7/2010						<0.032			
Endosulfan I	959-98-8	ug/L	10/5/2015					<0.0333				
Endosulfan I	959-98-8	ug/L	3/30/2020					<0.033				
Endosulfan I	959-98-8	ug/L	4/29/2025					<0.0904				
Endosulfan II	33213-65-9	ug/L	4/14/2009				<0.032	<0.032				
Endosulfan II	33213-65-9	ug/L	5/10/2010				<0.032	<0.032				
Endosulfan II	33213-65-9	ug/L	12/7/2010						<0.032			
Endosulfan II	33213-65-9	ug/L	10/5/2015					<0.0333				
Endosulfan II	33213-65-9	ug/L	3/30/2020					<0.033				
Endosulfan II	33213-65-9	ug/L	4/29/2025					<0.0904				
Endosulfan sulfate	1031-07-8	ug/L	4/14/2009				<0.032	<0.032				
Endosulfan sulfate	1031-07-8	ug/L	5/10/2010				<0.032	<0.032				
Endosulfan sulfate	1031-07-8	ug/L	12/7/2010						<0.032			
Endosulfan sulfate	1031-07-8	ug/L	10/5/2015					<0.0333				
Endosulfan sulfate	1031-07-8	ug/L	3/30/2020					<0.033				
Endosulfan sulfate	1031-07-8	ug/L	4/29/2025					<0.0904				
Endrin	72-20-8	ug/L	4/14/2009				<0.032	<0.032				
Endrin	72-20-8	ug/L	5/10/2010				<0.032	<0.032				
Endrin	72-20-8	ug/L	12/7/2010						<0.032			
Endrin	72-20-8	ug/L	10/5/2015					0.00206J				
Endrin	72-20-8	ug/L	3/30/2020					<0.033				
Endrin	72-20-8	ug/L	4/29/2025					<0.0904				
Endrin aldehyde	7421-93-4	ug/L	4/14/2009				<0.032	<0.032				
Endrin aldehyde	7421-93-4	ug/L	5/10/2010				<0.032	<0.032				
Endrin aldehyde	7421-93-4	ug/L	12/7/2010						<0.032			
Endrin aldehyde	7421-93-4	ug/L	10/5/2015					<0.0333				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Endrin aldehyde	7421-93-4	ug/L	3/30/2020					<0.033				
Endrin aldehyde	7421-93-4	ug/L	4/29/2025					<0.0904				
Ethyl Methacrylate	97-63-2	ug/L	4/14/2009				<5	<2				
Ethyl Methacrylate	97-63-2	ug/L	5/10/2010				<20	<20				
Ethyl Methacrylate	97-63-2	ug/L	12/7/2010						<5			
Ethyl Methacrylate	97-63-2	ug/L	10/5/2015					<2				
Ethyl Methacrylate	97-63-2	ug/L	3/30/2020					<20				
Ethyl Methanesulfonate	62-50-0	ug/L	4/14/2009				<10	<10				
Ethyl Methanesulfonate	62-50-0	ug/L	5/10/2010				<10	<10				
Ethyl Methanesulfonate	62-50-0	ug/L	12/7/2010						<10			
Ethyl Methanesulfonate	62-50-0	ug/L	10/5/2015					<10.2				
Ethyl Methanesulfonate	62-50-0	ug/L	3/30/2020					<10.4				
Ethyl Parathion	56-38-2	ug/L	4/29/2025					<10.0				
Ethyl methacrylate	97-63-2	ug/L	4/29/2025					<2.00				
Ethyl methanesulfonate	62-50-0	ug/L	4/29/2025					<10.0				
Ethylbenzene	100-41-4	ug/L	2/27/2008				<1	<1				
Ethylbenzene	100-41-4	ug/L	5/12/2008				<1	<1				
Ethylbenzene	100-41-4	ug/L	7/13/2008				<1	<1				
Ethylbenzene	100-41-4	ug/L	9/14/2008				<1	<1				
Ethylbenzene	100-41-4	ug/L	11/17/2008				<1	<1				
Ethylbenzene	100-41-4	ug/L	4/14/2009				<1	<1				
Ethylbenzene	100-41-4	ug/L	10/25/2009				<1	<2				
Ethylbenzene	100-41-4	ug/L	5/10/2010				<1	<1				
Ethylbenzene	100-41-4	ug/L	11/1/2010				<1	<1				
Ethylbenzene	100-41-4	ug/L	12/7/2010						<1			
Ethylbenzene	100-41-4	ug/L	10/13/2011				<1	<1	<1			
Ethylbenzene	100-41-4	ug/L	4/11/2012				<1	<1	<1			
Ethylbenzene	100-41-4	ug/L	10/11/2012				<1	<1	<1			
Ethylbenzene	100-41-4	ug/L	3/30/2013				<1	<1	<1			
Ethylbenzene	100-41-4	ug/L	10/7/2013				<1	<1				
Ethylbenzene	100-41-4	ug/L	6/2/2014				<1	<1	<1			
Ethylbenzene	100-41-4	ug/L	10/15/2014				<1	<1	<1			
Ethylbenzene	100-41-4	ug/L	4/6/2015					<1				
Ethylbenzene	100-41-4	ug/L	10/5/2015					<1				
Ethylbenzene	100-41-4	ug/L	4/4/2016					<1				
Ethylbenzene	100-41-4	ug/L	10/17/2016					<1				
Ethylbenzene	100-41-4	ug/L	4/17/2017					<1				
Ethylbenzene	100-41-4	ug/L	10/11/2017					<1				
Ethylbenzene	100-41-4	ug/L	4/20/2018					<1				
Ethylbenzene	100-41-4	ug/L	10/16/2018					<1				
Ethylbenzene	100-41-4	ug/L	4/16/2019					<1				
Ethylbenzene	100-41-4	ug/L	10/1/2019					<1				
Ethylbenzene	100-41-4	ug/L	3/30/2020					<10				
Ethylbenzene	100-41-4	ug/L	10/7/2020					<1				
Ethylbenzene	100-41-4	ug/L	4/13/2021					<1				
Ethylbenzene	100-41-4	ug/L	4/29/2025					<1.00				
Famphur	52-85-7	ug/L	4/14/2009				<20	<20				
Famphur	52-85-7	ug/L	5/10/2010				<20	<20				
Famphur	52-85-7	ug/L	12/7/2010						<20			
Famphur	52-85-7	ug/L	10/5/2015					<20.4				
Famphur	52-85-7	ug/L	3/30/2020					<10.4				
Famphur	52-85-7	ug/L	4/29/2025					<10.0				
Fluoranthene	206-44-0	ug/L	4/14/2009				<10	<10				
Fluoranthene	206-44-0	ug/L	5/10/2010				<10	<10				
Fluoranthene	206-44-0	ug/L	12/7/2010						<10			
Fluoranthene	206-44-0	ug/L	10/5/2015					<10.2				
Fluoranthene	206-44-0	ug/L	3/30/2020					<10.4				
Fluoranthene	206-44-0	ug/L	4/29/2025					<10.0				
Fluorene	86-73-7	ug/L	4/14/2009				<10	<10				
Fluorene	86-73-7	ug/L	5/10/2010				<10	<10				
Fluorene	86-73-7	ug/L	12/7/2010						<10			
Fluorene	86-73-7	ug/L	10/5/2015					<10.2				
Fluorene	86-73-7	ug/L	3/30/2020					<10.4				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Fluorene	86-73-7	ug/L	4/29/2025					<10.0				
Gamma-BHC [Lindane]	58-89-9	ug/L	4/14/2009				<0.032	<0.032				
Gamma-BHC [Lindane]	58-89-9	ug/L	5/10/2010				<0.032	<0.032				
Gamma-BHC [Lindane]	58-89-9	ug/L	12/7/2010						<0.032			
Gamma-BHC [Lindane]	58-89-9	ug/L	10/5/2015					<0.0333				
Gamma-BHC [Lindane]	58-89-9	ug/L	3/30/2020					0.00202J				
Heptachlor	76-44-8	ug/L	4/14/2009				<0.032	<0.032				
Heptachlor	76-44-8	ug/L	5/10/2010				<0.032	<0.032				
Heptachlor	76-44-8	ug/L	12/7/2010						<0.032			
Heptachlor	76-44-8	ug/L	10/5/2015					0.00323J				
Heptachlor	76-44-8	ug/L	3/30/2020					<0.033				
Heptachlor	76-44-8	ug/L	4/29/2025					<0.0904				
Heptachlor Epoxide	1024-57-3	ug/L	4/14/2009				<0.032	<0.032				
Heptachlor Epoxide	1024-57-3	ug/L	5/10/2010				<0.032	<0.032				
Heptachlor Epoxide	1024-57-3	ug/L	12/7/2010						<0.032			
Heptachlor Epoxide	1024-57-3	ug/L	10/5/2015					<0.0333				
Heptachlor Epoxide	1024-57-3	ug/L	3/30/2020					<0.033				
Heptachlor epoxide	1024-57-3	ug/L	4/29/2025					<0.0904				
Hexachlorobenzene	118-74-1	ug/L	4/14/2009				<10	<10				
Hexachlorobenzene	118-74-1	ug/L	5/10/2010				<10	<10				
Hexachlorobenzene	118-74-1	ug/L	12/7/2010						<10			
Hexachlorobenzene	118-74-1	ug/L	10/5/2015					<10.2				
Hexachlorobenzene	118-74-1	ug/L	3/30/2020					<10.4				
Hexachlorobenzene	118-74-1	ug/L	4/29/2025					<10.0				
Hexachlorobutadiene	87-68-3	ug/L	4/14/2009				<10	<10				
Hexachlorobutadiene	87-68-3	ug/L	5/10/2010				<10	<10				
Hexachlorobutadiene	87-68-3	ug/L	12/7/2010						<10			
Hexachlorobutadiene	87-68-3	ug/L	10/5/2015					<10.2				
Hexachlorobutadiene	87-68-3	ug/L	3/30/2020					<10.4				
Hexachlorobutadiene	87-68-3	ug/L	4/29/2025					<10.0				
Hexachlorocyclopentadiene	77-47-4	ug/L	4/14/2009				<10	<10				
Hexachlorocyclopentadiene	77-47-4	ug/L	5/10/2010				<10	<10				
Hexachlorocyclopentadiene	77-47-4	ug/L	12/7/2010						<10			
Hexachlorocyclopentadiene	77-47-4	ug/L	10/5/2015					<20.4				
Hexachlorocyclopentadiene	77-47-4	ug/L	3/30/2020					<10.4				
Hexachlorocyclopentadiene	77-47-4	ug/L	4/29/2025					<10.0				
Hexachloroethane	67-72-1	ug/L	4/14/2009				<10	<10				
Hexachloroethane	67-72-1	ug/L	5/10/2010				<10	<10				
Hexachloroethane	67-72-1	ug/L	12/7/2010						<10			
Hexachloroethane	67-72-1	ug/L	10/5/2015					<10.2				
Hexachloroethane	67-72-1	ug/L	3/30/2020					<10.4				
Hexachloroethane	67-72-1	ug/L	4/29/2025					<10.0				
Hexachloropropene	1888-71-7	ug/L	4/14/2009				<10	<10				
Hexachloropropene	1888-71-7	ug/L	5/10/2010				<10	<10				
Hexachloropropene	1888-71-7	ug/L	12/7/2010						<10			
Hexachloropropene	1888-71-7	ug/L	10/5/2015					<10.2				
Hexachloropropene	1888-71-7	ug/L	3/30/2020					<10.4				
Hexachloropropene	1888-71-7	ug/L	4/29/2025					<10.0				
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	4/14/2009				<10	<10				
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	5/10/2010				<10	<10				
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	12/7/2010						<10			
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	10/5/2015					<10.2				
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	3/30/2020					<10.4				
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	4/29/2025					<10.0				
Iodomethane	74-88-4	ug/L	2/27/2008				<10	<10				
Iodomethane	74-88-4	ug/L	5/12/2008				<10	<10				
Iodomethane	74-88-4	ug/L	7/13/2008				<10	<10				
Iodomethane	74-88-4	ug/L	9/14/2008				<10	<10				
Iodomethane	74-88-4	ug/L	11/17/2008				<10	<10				
Iodomethane	74-88-4	ug/L	4/14/2009				<20	<10				
Iodomethane	74-88-4	ug/L	10/25/2009				<20	<10				
Iodomethane	74-88-4	ug/L	5/10/2010				<10	<10				
Iodomethane	74-88-4	ug/L	11/1/2010				<10	<10				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Iodomethane	74-88-4	ug/L	12/7/2010						<10			
Iodomethane	74-88-4	ug/L	10/13/2011				<10	<10	<10			
Iodomethane	74-88-4	ug/L	4/11/2012				<10	<10	<10			
Iodomethane	74-88-4	ug/L	10/11/2012				<10	<10	<10			
Iodomethane	74-88-4	ug/L	3/30/2013				<10	<10	<10			
Iodomethane	74-88-4	ug/L	10/7/2013				<10	<10				
Iodomethane	74-88-4	ug/L	6/2/2014				<10	<10	<10			
Iodomethane	74-88-4	ug/L	10/15/2014				<10	<10	<10			
Iodomethane	74-88-4	ug/L	4/6/2015					<10				
Iodomethane	74-88-4	ug/L	10/5/2015					<10				
Iodomethane	74-88-4	ug/L	4/4/2016					<10				
Iodomethane	74-88-4	ug/L	10/17/2016					<100				
Iodomethane	74-88-4	ug/L	4/17/2017					<10				
Iodomethane	74-88-4	ug/L	10/11/2017					<10				
Iodomethane	74-88-4	ug/L	4/20/2018					<10				
Iodomethane	74-88-4	ug/L	10/16/2018					<10				
Iodomethane	74-88-4	ug/L	4/16/2019					<10				
Iodomethane	74-88-4	ug/L	10/1/2019					<10				
Iodomethane	74-88-4	ug/L	3/30/2020					<100				
Iodomethane	74-88-4	ug/L	10/7/2020					<10				
Iodomethane	74-88-4	ug/L	4/13/2021					<1				
Iodomethane	74-88-4	ug/L	4/29/2025					<10.0				
Iron	7439-89-6	mg/L	4/29/2025					1.39				
Iron, Total	7439-89-6	mg/L	4/6/2015				4.02	0.184	0.328			
Iron, Total	7439-89-6	mg/L	10/5/2015				4.79	0.725	7.01			
Iron, Total	7439-89-6	mg/L	4/4/2016				3.25	8.88	0.199			
Iron, Total	7439-89-6	mg/L	10/17/2016				4.79	0.638	<0.1			
Isobutanol	78-83-1	mg/L	4/14/2009				<10	<10				
Isobutanol	78-83-1	mg/L	5/10/2010				<10	<10				
Isobutanol	78-83-1	mg/L	12/7/2010						<10			
Isobutanol	78-83-1	mg/L	10/5/2015					<10				
Isobutanol	78-83-1	mg/L	3/30/2020					<10				
Isobutanol	78-83-1	mg/L	4/29/2025					<10.0				
Isodrin	465-73-6	ug/L	4/14/2009				<10	<10				
Isodrin	465-73-6	ug/L	5/10/2010				<10	<10				
Isodrin	465-73-6	ug/L	12/7/2010						<10			
Isodrin	465-73-6	ug/L	10/5/2015					<10.2				
Isodrin	465-73-6	ug/L	3/30/2020					<10.4				
Isodrin	465-73-6	ug/L	4/29/2025					<10.0				
Isophorone	78-59-1	ug/L	4/14/2009				<10	<10				
Isophorone	78-59-1	ug/L	5/10/2010				<10	<10				
Isophorone	78-59-1	ug/L	12/7/2010						<10			
Isophorone	78-59-1	ug/L	10/5/2015					<10.2				
Isophorone	78-59-1	ug/L	3/30/2020					<10.4				
Isophorone	78-59-1	ug/L	4/29/2025					<10.0				
Isosafrole	120-58-1	ug/L	4/14/2009				<10	<10				
Isosafrole	120-58-1	ug/L	5/10/2010				<10	<10				
Isosafrole	120-58-1	ug/L	12/7/2010						<10			
Isosafrole	120-58-1	ug/L	10/5/2015					<10.2				
Isosafrole	120-58-1	ug/L	3/30/2020					<10.4				
Isosafrole	120-58-1	ug/L	4/29/2025					<10.0				
Kepone	143-50-0	ug/L	4/14/2009				<10	<10				
Kepone	143-50-0	ug/L	5/10/2010				<10	<10				
Kepone	143-50-0	ug/L	12/7/2010						<10			
Kepone	143-50-0	ug/L	10/5/2015					<10.2				
Kepone	143-50-0	ug/L	3/30/2020					<10.4				
Kepone	143-50-0	ug/L	4/29/2025					<10.0				
Lead	7439-92-1	mg/L	2/27/2008				0.023	<0.005				
Lead	7439-92-1	mg/L	5/12/2008				0.029	<0.005				
Lead	7439-92-1	mg/L	7/13/2008				0.03	<0.005				
Lead	7439-92-1	mg/L	9/14/2008				<0.005	<0.005				
Lead	7439-92-1	mg/L	11/17/2008				0.018	<0.004				
Lead	7439-92-1	mg/L	4/14/2009				0.0094	<0.005				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Lead	7439-92-1	mg/L	7/7/2009				<0.005					
Lead	7439-92-1	mg/L	9/2/2009				0.0051; 0.0056					
Lead	7439-92-1	mg/L	10/25/2009				<0.005	<0.005				
Lead	7439-92-1	mg/L	1/2/2010				0.0086					
Lead	7439-92-1	mg/L	5/10/2010				0.005	<0.002				
Lead	7439-92-1	mg/L	12/7/2010						<0.004			
Lead	7439-92-1	mg/L	4/4/2011						<0.005			
Lead	7439-92-1	mg/L	10/13/2011				0.0077	<0.004	<0.004			
Lead	7439-92-1	mg/L	4/11/2012				<0.004	<0.004	<0.004			
Lead	7439-92-1	mg/L	10/11/2012				<0.004	<0.004	<0.004			
Lead	7439-92-1	mg/L	3/30/2013				<0.004	<0.004	<0.004			
Lead	7439-92-1	mg/L	10/7/2013				<0.004	<0.004	<0.004			
Lead	7439-92-1	mg/L	6/2/2014				<0.004	<0.004	<0.004			
Lead	7439-92-1	mg/L	10/15/2014				<0.004	<0.004	<0.004			
Lead	7439-92-1	mg/L	4/6/2015					<0.0005				
Lead	7439-92-1	mg/L	10/5/2015					<0.0005				
Lead	7439-92-1	mg/L	4/4/2016					0.00116				
Lead	7439-92-1	mg/L	10/17/2016					<0.0005				
Lead	7439-92-1	mg/L	4/17/2017					<0.0005				
Lead	7439-92-1	mg/L	10/11/2017					<0.0005				
Lead	7439-92-1	mg/L	4/20/2018					0.0003J				
Lead	7439-92-1	mg/L	10/16/2018					<0.0005				
Lead	7439-92-1	mg/L	4/16/2019					0.000321J				
Lead	7439-92-1	mg/L	10/1/2019					<0.0005				
Lead	7439-92-1	mg/L	3/30/2020					<0.0005				
Lead	7439-92-1	mg/L	10/7/2020					0.000594				
Lead	7439-92-1	mg/L	4/13/2021					<0.004				
Lead	7439-92-1	mg/L	4/29/2025					<0.000500				
Magnesium	7439-95-4	mg/L	6/2/2014				85.2	94.2	22.7			
Magnesium	7439-95-4	mg/L	10/15/2014				87	89.4	26.9			
Magnesium	7439-95-4	mg/L	4/16/2019									85.3
Magnesium	7439-95-4	mg/L	10/1/2019									78.8
Manganese	7439-96-5	mg/L	4/6/2015				5.19	0.0365	0.00918J			
Manganese	7439-96-5	mg/L	10/5/2015				5.8	0.105	0.217			
Manganese	7439-96-5	mg/L	4/4/2016				5.14	0.215	0.00452J			
Manganese	7439-96-5	mg/L	10/17/2016				5.01	0.0825	<0.01			
Manganese	7439-96-5	mg/L	4/29/2025					0.0499				
Mercury	7439-97-6	mg/L	4/14/2009				<0.0002	<0.0002				
Mercury	7439-97-6	mg/L	5/10/2010				<0.0002	<0.0002				
Mercury	7439-97-6	mg/L	12/7/2010						<0.0002			
Mercury	7439-97-6	mg/L	10/5/2015					<0.0002				
Mercury	7439-97-6	mg/L	3/30/2020					<0.0002				
Mercury	7439-97-6	mg/L	4/29/2025					<0.000200				
Methacrylonitrile	126-98-7	ug/L	4/14/2009				<1	<1				
Methacrylonitrile	126-98-7	ug/L	5/10/2010				<1	<1				
Methacrylonitrile	126-98-7	ug/L	12/7/2010						<2			
Methacrylonitrile	126-98-7	ug/L	10/5/2015					<10				
Methacrylonitrile	126-98-7	ug/L	3/30/2020					<100				
Methacrylonitrile	126-98-7	ug/L	4/29/2025					<10.0				
Methane, Dissolved	74-82-8	mg/L	4/6/2015				0.145	0.0562	<0.005			
Methane, Dissolved	74-82-8	mg/L	10/5/2015				0.0977	0.156	0.000857			
Methane, Dissolved	74-82-8	mg/L	4/4/2016				0.0835	0.658	<0.00058			
Methane, Dissolved	74-82-8	mg/L	10/17/2016				0.053	0.606	0.000505J			
Methapyrilene	91-80-5	ug/L	4/14/2009				<10	<10				
Methapyrilene	91-80-5	ug/L	5/10/2010				<10	<10				
Methapyrilene	91-80-5	ug/L	12/7/2010						<10			
Methapyrilene	91-80-5	ug/L	10/5/2015					<10.2				
Methapyrilene	91-80-5	ug/L	3/30/2020					<10.4				
Methapyrilene	91-80-5	ug/L	4/29/2025					<10.0				
Methoxychlor	72-43-5	ug/L	4/14/2009				<0.032	<0.032				
Methoxychlor	72-43-5	ug/L	5/10/2010				<0.032	<0.032				
Methoxychlor	72-43-5	ug/L	12/7/2010						<0.032			
Methoxychlor	72-43-5	ug/L	10/5/2015					<0.0333				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Methoxychlor	72-43-5	ug/L	3/30/2020					<0.033				
Methoxychlor	72-43-5	ug/L	4/29/2025					<0.0904				
Methyl Methacrylate	80-62-6	ug/L	4/14/2009				<2	<2				
Methyl Methacrylate	80-62-6	ug/L	5/10/2010				<5	<5				
Methyl Methacrylate	80-62-6	ug/L	12/7/2010						<4			
Methyl Methacrylate	80-62-6	ug/L	10/5/2015					<2				
Methyl Methacrylate	80-62-6	ug/L	3/30/2020					<20				
Methyl Methanesulfonate	66-27-3	ug/L	4/14/2009				<10	<10				
Methyl Methanesulfonate	66-27-3	ug/L	5/10/2010				<10	<10				
Methyl Methanesulfonate	66-27-3	ug/L	12/7/2010						<10			
Methyl Methanesulfonate	66-27-3	ug/L	10/5/2015					<10.2				
Methyl Methanesulfonate	66-27-3	ug/L	3/30/2020					<10.4				
Methyl methacrylate	80-62-6	ug/L	4/29/2025					<2.00				
Methyl methanesulfonate	66-27-3	ug/L	4/29/2025					<10.0				
Methyl parathion	298-00-0	ug/L	4/29/2025					<10.0				
Methylene Chloride	75-09-2	ug/L	2/27/2008				<5	<5				
Methylene Chloride	75-09-2	ug/L	5/12/2008				<5	<5				
Methylene Chloride	75-09-2	ug/L	7/13/2008				<5	<5				
Methylene Chloride	75-09-2	ug/L	9/14/2008				<5	<5				
Methylene Chloride	75-09-2	ug/L	11/17/2008				<5	<5				
Methylene Chloride	75-09-2	ug/L	4/14/2009				<5	<5				
Methylene Chloride	75-09-2	ug/L	10/25/2009				<5	<5				
Methylene Chloride	75-09-2	ug/L	5/10/2010				<5	<5				
Methylene Chloride	75-09-2	ug/L	11/1/2010				<5	<5				
Methylene Chloride	75-09-2	ug/L	12/7/2010						<5			
Methylene Chloride	75-09-2	ug/L	10/13/2011				<5	<5	<5			
Methylene Chloride	75-09-2	ug/L	4/11/2012				<5	<5	<5			
Methylene Chloride	75-09-2	ug/L	10/11/2012				<5	<5	<5			
Methylene Chloride	75-09-2	ug/L	3/30/2013				<5	<5	<5			
Methylene Chloride	75-09-2	ug/L	10/7/2013				<5	<5				
Methylene Chloride	75-09-2	ug/L	6/2/2014				<5	<5	<5			
Methylene Chloride	75-09-2	ug/L	10/15/2014				<5	<5	<5			
Methylene Chloride	75-09-2	ug/L	4/6/2015					<5				
Methylene Chloride	75-09-2	ug/L	10/5/2015					0.673J				
Methylene Chloride	75-09-2	ug/L	4/4/2016					0.523J				
Methylene Chloride	75-09-2	ug/L	10/17/2016					1.3J				
Methylene Chloride	75-09-2	ug/L	4/17/2017					<5				
Methylene Chloride	75-09-2	ug/L	10/11/2017					0.727J				
Methylene Chloride	75-09-2	ug/L	4/20/2018					0.656J				
Methylene Chloride	75-09-2	ug/L	10/16/2018					<5				
Methylene Chloride	75-09-2	ug/L	4/16/2019					<5				
Methylene Chloride	75-09-2	ug/L	10/1/2019					<5				
Methylene Chloride	75-09-2	ug/L	3/30/2020					<50				
Methylene Chloride	75-09-2	ug/L	10/7/2020					<5				
Methylene Chloride	75-09-2	ug/L	4/13/2021					<5				
Methylene Chloride	75-09-2	ug/L	4/29/2025					<5.00				
Methylphenol, 3 & 4	106-44-5	ug/L	4/29/2025					<10.0				
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/14/2009				<10	<10				
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/10/2010				<10	<10				
N-Nitrosodi-n-butylamine	924-16-3	ug/L	12/7/2010						<10			
N-Nitrosodi-n-butylamine	924-16-3	ug/L	10/5/2015					<10.2				
N-Nitrosodi-n-butylamine	924-16-3	ug/L	3/30/2020					<10.4				
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/29/2025					<10.0				
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/14/2009				<10	<10				
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/10/2010				<10	<10				
N-Nitrosodi-n-propylamine	621-64-7	ug/L	12/7/2010						<10			
N-Nitrosodi-n-propylamine	621-64-7	ug/L	10/5/2015					<10.2				
N-Nitrosodi-n-propylamine	621-64-7	ug/L	3/30/2020					<10.4				
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/29/2025					<10.0				
N-Nitrosodiethylamine	55-18-5	ug/L	4/14/2009				<10	<10				
N-Nitrosodiethylamine	55-18-5	ug/L	5/10/2010				<10	<10				
N-Nitrosodiethylamine	55-18-5	ug/L	12/7/2010						<10			
N-Nitrosodiethylamine	55-18-5	ug/L	10/5/2015					<10.2				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
N-Nitrosodiethylamine	55-18-5	ug/L	3/30/2020					<10.4				
N-Nitrosodiethylamine	55-18-5	ug/L	4/29/2025					<10.0				
N-Nitrosodimethylamine	62-75-9	ug/L	4/14/2009				<10	<10				
N-Nitrosodimethylamine	62-75-9	ug/L	5/10/2010				<10	<10				
N-Nitrosodimethylamine	62-75-9	ug/L	12/7/2010						<10			
N-Nitrosodimethylamine	62-75-9	ug/L	10/5/2015					<10.2				
N-Nitrosodimethylamine	62-75-9	ug/L	3/30/2020					<10.4				
N-Nitrosodimethylamine	62-75-9	ug/L	4/29/2025					<10.0				
N-Nitrosodiphenylamine	86-30-6	ug/L	4/14/2009				<10	<10				
N-Nitrosodiphenylamine	86-30-6	ug/L	5/10/2010				<10	<10				
N-Nitrosodiphenylamine	86-30-6	ug/L	12/7/2010						<10			
N-Nitrosodiphenylamine	86-30-6	ug/L	10/5/2015					<10.2				
N-Nitrosodiphenylamine	86-30-6	ug/L	3/30/2020					<10.4				
N-Nitrosodiphenylamine	86-30-6	ug/L	4/29/2025					<10.0				
N-Nitrosomethylethalamine	10595-95-6	ug/L	4/14/2009				<10	<10				
N-Nitrosomethylethalamine	10595-95-6	ug/L	5/10/2010				<10	<10				
N-Nitrosomethylethalamine	10595-95-6	ug/L	12/7/2010						<10			
N-Nitrosomethylethalamine	10595-95-6	ug/L	10/5/2015					<10.2				
N-Nitrosomethylethalamine	10595-95-6	ug/L	3/30/2020					<10.4				
N-Nitrosomethylethylamine	10595-95-6	ug/L	4/29/2025					<10.0				
N-Nitrosopiperidine	100-75-4	ug/L	4/14/2009				<10	<10				
N-Nitrosopiperidine	100-75-4	ug/L	5/10/2010				<10	<10				
N-Nitrosopiperidine	100-75-4	ug/L	12/7/2010						<10			
N-Nitrosopiperidine	100-75-4	ug/L	10/5/2015					<10.2				
N-Nitrosopiperidine	100-75-4	ug/L	3/30/2020					<10.4				
N-Nitrosopiperidine	100-75-4	ug/L	4/29/2025					<10.0				
N-Nitrosopyrrolidine	930-55-2	ug/L	4/14/2009				<10	<10				
N-Nitrosopyrrolidine	930-55-2	ug/L	5/10/2010				<10	<10				
N-Nitrosopyrrolidine	930-55-2	ug/L	12/7/2010						<10			
N-Nitrosopyrrolidine	930-55-2	ug/L	10/5/2015					<10.2				
N-Nitrosopyrrolidine	930-55-2	ug/L	3/30/2020					<10.4				
N-Nitrosopyrrolidine	930-55-2	ug/L	4/29/2025					<10.0				
Naphthalene	91-20-3	ug/L	4/14/2009				<20	<5				
Naphthalene	91-20-3	ug/L	5/10/2010				<5	<5				
Naphthalene	91-20-3	ug/L	12/7/2010						<5			
Naphthalene	91-20-3	ug/L	10/5/2015					<5				
Naphthalene	91-20-3	ug/L	3/30/2020					<50				
Naphthalene	91-20-3	ug/L	4/29/2025					<5.00				
Nickel	7440-02-0	mg/L	2/27/2008				0.051	<0.01				
Nickel	7440-02-0	mg/L	5/12/2008				0.062	<0.01				
Nickel	7440-02-0	mg/L	7/13/2008				0.054	<0.01				
Nickel	7440-02-0	mg/L	9/14/2008				0.023	<0.01				
Nickel	7440-02-0	mg/L	11/17/2008				<0.05	<0.05				
Nickel	7440-02-0	mg/L	4/14/2009				0.047	0.016				
Nickel	7440-02-0	mg/L	7/7/2009				0.027	<0.01				
Nickel	7440-02-0	mg/L	9/2/2009				0.029; 0.032	<0.01				
Nickel	7440-02-0	mg/L	10/25/2009				0.031	<0.01				
Nickel	7440-02-0	mg/L	1/2/2010				0.042	<0.01				
Nickel	7440-02-0	mg/L	5/10/2010				<0.05	<0.05				
Nickel	7440-02-0	mg/L	12/7/2010						<0.05			
Nickel	7440-02-0	mg/L	4/4/2011						<0.01			
Nickel	7440-02-0	mg/L	10/13/2011				<0.05	<0.05	<0.05			
Nickel	7440-02-0	mg/L	4/11/2012				<0.05	<0.05	<0.05			
Nickel	7440-02-0	mg/L	10/11/2012				<0.05	<0.05	<0.05			
Nickel	7440-02-0	mg/L	3/30/2013				<0.05	<0.05	<0.05			
Nickel	7440-02-0	mg/L	10/7/2013				<0.05	<0.05	<0.05			
Nickel	7440-02-0	mg/L	6/2/2014				0.023J	<0.05	<0.05			
Nickel	7440-02-0	mg/L	10/15/2014				0.0367J	0.0155J	0.00779J			
Nickel	7440-02-0	mg/L	4/6/2015					0.00294J	<0.005			
Nickel	7440-02-0	mg/L	10/5/2015					0.00375J	0.00435J			
Nickel	7440-02-0	mg/L	4/4/2016					0.0046J	<0.005			
Nickel	7440-02-0	mg/L	10/17/2016					0.00324J	<0.005		<0.005	
Nickel	7440-02-0	mg/L	4/17/2017					0.00528				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Nickel	7440-02-0	mg/L	10/11/2017					0.00385J				
Nickel	7440-02-0	mg/L	4/20/2018					0.00438J				
Nickel	7440-02-0	mg/L	10/16/2018					0.00552				
Nickel	7440-02-0	mg/L	4/16/2019					0.00385J				
Nickel	7440-02-0	mg/L	10/1/2019					0.0036J				
Nickel	7440-02-0	mg/L	3/30/2020					0.00472J				
Nickel	7440-02-0	mg/L	10/7/2020					0.00368J				
Nickel	7440-02-0	mg/L	4/13/2021					0.0047				
Nickel	7440-02-0	mg/L	4/29/2025					0.00351				
Nitrate (NO3)	14797-55-8	mg/L	4/6/2015				<0.1	0.0614J	2.98			
Nitrate (NO3)	14797-55-8	mg/L	10/5/2015				<0.1	<0.1	2.93			
Nitrate (NO3)	14797-55-8	mg/L	4/4/2016				<0.1	<0.1	3.42			
Nitrate (NO3)	14797-55-8	mg/L	10/17/2016				0.0984J	<0.1	3.73			
Nitrate as N	14797-55-8	mg/L	4/29/2025					<0.200				
Nitrobenzene	98-95-3	ug/L	4/14/2009				<10	<10				
Nitrobenzene	98-95-3	ug/L	5/10/2010				<10	<10				
Nitrobenzene	98-95-3	ug/L	12/7/2010						<10			
Nitrobenzene	98-95-3	ug/L	10/5/2015					<10.2				
Nitrobenzene	98-95-3	ug/L	3/30/2020					<10.4				
Nitrobenzene	98-95-3	ug/L	4/29/2025					<10.0				
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	4/14/2009				<30	<30				
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	5/10/2010				<10	<10				
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	12/7/2010						<10			
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	10/5/2015					<10.2				
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	3/30/2020					<10.4				
O-Toluidine	95-53-4	ug/L	4/14/2009				<10	<10				
O-Toluidine	95-53-4	ug/L	5/10/2010				<10	<10				
O-Toluidine	95-53-4	ug/L	12/7/2010						<10			
O-Toluidine	95-53-4	ug/L	10/5/2015					<10.2				
O-Toluidine	95-53-4	ug/L	3/30/2020					<10.4				
PCB-1016	12674-11-2	ug/L	4/14/2009				<0.8	<0.8				
PCB-1016	12674-11-2	ug/L	5/10/2010				<0.8	<0.8				
PCB-1016	12674-11-2	ug/L	12/7/2010						<0.8			
PCB-1016	12674-11-2	ug/L	10/5/2015					<0.825				
PCB-1016	12674-11-2	ug/L	3/30/2020					<0.825				
PCB-1016	12674-11-2	ug/L	4/29/2025					<1.81				
PCB-1221	11104-28-2	ug/L	4/14/2009				<0.8	<0.8				
PCB-1221	11104-28-2	ug/L	5/10/2010				<0.8	<0.8				
PCB-1221	11104-28-2	ug/L	12/7/2010						<0.8			
PCB-1221	11104-28-2	ug/L	10/5/2015					<0.825				
PCB-1221	11104-28-2	ug/L	3/30/2020					<0.825				
PCB-1221	11104-28-2	ug/L	4/29/2025					<1.81				
PCB-1232	11141-16-5	ug/L	4/14/2009				<0.8	<0.8				
PCB-1232	11141-16-5	ug/L	5/10/2010				<0.8	<0.8				
PCB-1232	11141-16-5	ug/L	12/7/2010						<0.8			
PCB-1232	11141-16-5	ug/L	10/5/2015					<0.825				
PCB-1232	11141-16-5	ug/L	3/30/2020					<0.825				
PCB-1232	11141-16-5	ug/L	4/29/2025					<1.81				
PCB-1242	53469-21-9	ug/L	4/14/2009				<0.8	<0.8				
PCB-1242	53469-21-9	ug/L	5/10/2010				<0.8	<0.8				
PCB-1242	53469-21-9	ug/L	12/7/2010						<0.8			
PCB-1242	53469-21-9	ug/L	10/5/2015					<0.825				
PCB-1242	53469-21-9	ug/L	3/30/2020					<0.825				
PCB-1242	53469-21-9	ug/L	4/29/2025					<1.81				
PCB-1248	12672-29-6	ug/L	4/14/2009				<0.8	<0.8				
PCB-1248	12672-29-6	ug/L	5/10/2010				<0.8	<0.8				
PCB-1248	12672-29-6	ug/L	12/7/2010						<0.8			
PCB-1248	12672-29-6	ug/L	10/5/2015					<0.825				
PCB-1248	12672-29-6	ug/L	3/30/2020					<0.825				
PCB-1248	12672-29-6	ug/L	4/29/2025					<1.81				
PCB-1254	11097-69-1	ug/L	4/14/2009				<0.8	<0.8				
PCB-1254	11097-69-1	ug/L	5/10/2010				<0.8	<0.8				
PCB-1254	11097-69-1	ug/L	12/7/2010						<0.8			

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
PCB-1254	11097-69-1	ug/L	10/5/2015					<0.825				
PCB-1254	11097-69-1	ug/L	3/30/2020					<0.825				
PCB-1254	11097-69-1	ug/L	4/29/2025					<1.81				
PCB-1260	11096-82-5	ug/L	4/14/2009				<0.8	<0.8				
PCB-1260	11096-82-5	ug/L	5/10/2010				<0.8	<0.8				
PCB-1260	11096-82-5	ug/L	12/7/2010						<0.8			
PCB-1260	11096-82-5	ug/L	10/5/2015					<0.825				
PCB-1260	11096-82-5	ug/L	3/30/2020					<0.825				
PCB-1260	11096-82-5	ug/L	4/29/2025					<1.81				
Parathion-Ethyl	56-38-2	ug/L	4/14/2009				<10	<10				
Parathion-Ethyl	56-38-2	ug/L	5/10/2010				<10	<10				
Parathion-Ethyl	56-38-2	ug/L	12/7/2010						<10			
Parathion-Ethyl	56-38-2	ug/L	10/5/2015					<10.2				
Parathion-Ethyl	56-38-2	ug/L	3/30/2020					<10.4				
Parathion-Methyl	298-00-0	ug/L	4/14/2009				<10	<10				
Parathion-Methyl	298-00-0	ug/L	5/10/2010				<10	<10				
Parathion-Methyl	298-00-0	ug/L	12/7/2010						<10			
Parathion-Methyl	298-00-0	ug/L	10/5/2015					<10.2				
Parathion-Methyl	298-00-0	ug/L	3/30/2020					<10.4				
Pentachlorobenzene	608-93-5	ug/L	4/14/2009				<10	<10				
Pentachlorobenzene	608-93-5	ug/L	5/10/2010				<10	<10				
Pentachlorobenzene	608-93-5	ug/L	12/7/2010						<10			
Pentachlorobenzene	608-93-5	ug/L	10/5/2015					<10.2				
Pentachlorobenzene	608-93-5	ug/L	3/30/2020					<10.4				
Pentachlorobenzene	608-93-5	ug/L	4/29/2025					<10.0				
Pentachloronitrobenzene	82-68-8	ug/L	4/14/2009				<10	<10				
Pentachloronitrobenzene	82-68-8	ug/L	5/10/2010				<10	<10				
Pentachloronitrobenzene	82-68-8	ug/L	12/7/2010						<10			
Pentachloronitrobenzene	82-68-8	ug/L	10/5/2015					<10.2				
Pentachloronitrobenzene	82-68-8	ug/L	3/30/2020					<10.4				
Pentachloronitrobenzene	82-68-8	ug/L	4/29/2025					<10.0				
Pentachlorophenol	87-86-5	ug/L	4/29/2025					<10.0				
Pentachlorophenol [2C]	87-86-5	ug/L	4/14/2009				<10	<10				
Pentachlorophenol [2C]	87-86-5	ug/L	5/10/2010				<10	<10				
Pentachlorophenol [2C]	87-86-5	ug/L	12/7/2010						<10			
Pentachlorophenol [2C]	87-86-5	ug/L	10/5/2015					<10.2				
Pentachlorophenol [2C]	87-86-5	ug/L	3/30/2020					<10.4				
Phenacetin	62-44-2	ug/L	4/14/2009				<10	<10				
Phenacetin	62-44-2	ug/L	5/10/2010				<10	<10				
Phenacetin	62-44-2	ug/L	12/7/2010						<10			
Phenacetin	62-44-2	ug/L	10/5/2015					<10.2				
Phenacetin	62-44-2	ug/L	3/30/2020					<10.4				
Phenacetin	62-44-2	ug/L	4/29/2025					<10.0				
Phenanthrene	85-01-8	ug/L	4/14/2009				<10	<10				
Phenanthrene	85-01-8	ug/L	5/10/2010				<10	<10				
Phenanthrene	85-01-8	ug/L	12/7/2010						<10			
Phenanthrene	85-01-8	ug/L	10/5/2015					<10.2				
Phenanthrene	85-01-8	ug/L	3/30/2020					<10.4				
Phenanthrene	85-01-8	ug/L	4/29/2025					<10.0				
Phenol	108-95-2	ug/L	4/14/2009				<20	<20				
Phenol	108-95-2	ug/L	5/10/2010				<10	<10				
Phenol	108-95-2	ug/L	12/7/2010						<10			
Phenol	108-95-2	ug/L	10/5/2015					<10.2				
Phenol	108-95-2	ug/L	3/30/2020					<10.4				
Phenol	108-95-2	ug/L	4/29/2025					<10.0				
Phorate	298-02-2	ug/L	4/14/2009				<60	<60				
Phorate	298-02-2	ug/L	5/10/2010				<10	<10				
Phorate	298-02-2	ug/L	12/7/2010						<10			
Phorate	298-02-2	ug/L	10/5/2015					<10.2				
Phorate	298-02-2	ug/L	3/30/2020					<10.4				
Phorate	298-02-2	ug/L	4/29/2025					<10.0				
Potassium	7440-09-7	mg/L	6/2/2014				1.19	<1	<1			
Potassium	7440-09-7	mg/L	10/15/2014				1.13	<1	<1			

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Potassium	7440-09-7	mg/L	4/16/2019									1.37
Potassium	7440-09-7	mg/L	10/1/2019									1.19
Pronamide	23950-58-5	ug/L	4/14/2009				<10	<10				
Pronamide	23950-58-5	ug/L	5/10/2010				<10	<10				
Pronamide	23950-58-5	ug/L	12/7/2010						<10			
Pronamide	23950-58-5	ug/L	10/5/2015					<10.2				
Pronamide	23950-58-5	ug/L	3/30/2020					<10.4				
Pronamide	23950-58-5	ug/L	4/29/2025					<10.0				
Propionitrile	107-12-0	ug/L	4/14/2009				<10	<10				
Propionitrile	107-12-0	ug/L	5/10/2010				<10	<10				
Propionitrile	107-12-0	ug/L	12/7/2010						<10			
Propionitrile	107-12-0	ug/L	10/5/2015					<10				
Propionitrile	107-12-0	ug/L	3/30/2020					<100				
Propionitrile	107-12-0	ug/L	4/29/2025					<10.0				
Pyrene	129-00-0	ug/L	4/14/2009				<10	<10				
Pyrene	129-00-0	ug/L	5/10/2010				<10	<10				
Pyrene	129-00-0	ug/L	12/7/2010						<10			
Pyrene	129-00-0	ug/L	10/5/2015					<10.2				
Pyrene	129-00-0	ug/L	3/30/2020					<10.4				
Pyrene	129-00-0	ug/L	4/29/2025					<10.0				
Safrole	94-59-7	ug/L	4/14/2009				<10	<10				
Safrole	94-59-7	ug/L	5/10/2010				<10	<10				
Safrole	94-59-7	ug/L	12/7/2010						<10			
Safrole	94-59-7	ug/L	10/5/2015					<10.2				
Safrole	94-59-7	ug/L	3/30/2020					<10.4				
Safrole	94-59-7	ug/L	4/29/2025					<10.0				
Selenium	7782-49-2	mg/L	2/27/2008				<0.01	<0.01				
Selenium	7782-49-2	mg/L	5/12/2008				<0.01	<0.01				
Selenium	7782-49-2	mg/L	7/13/2008				<0.01	<0.01				
Selenium	7782-49-2	mg/L	9/14/2008				<0.01	<0.01				
Selenium	7782-49-2	mg/L	11/17/2008				<0.005	<0.005				
Selenium	7782-49-2	mg/L	4/14/2009				<0.01	<0.01				
Selenium	7782-49-2	mg/L	10/25/2009				<0.01	<0.01				
Selenium	7782-49-2	mg/L	5/10/2010				0.0058	<0.002				
Selenium	7782-49-2	mg/L	12/7/2010						<0.005			
Selenium	7782-49-2	mg/L	4/4/2011						<0.01			
Selenium	7782-49-2	mg/L	10/13/2011				<0.005	<0.005	<0.005			
Selenium	7782-49-2	mg/L	4/11/2012				<0.005	<0.005	<0.005			
Selenium	7782-49-2	mg/L	10/11/2012				<0.005	<0.005	<0.005			
Selenium	7782-49-2	mg/L	3/30/2013				<0.005	<0.005	<0.005			
Selenium	7782-49-2	mg/L	10/7/2013				<0.005	<0.005	<0.005			
Selenium	7782-49-2	mg/L	6/2/2014				<0.005	0.00165J	<0.005			
Selenium	7782-49-2	mg/L	10/15/2014				<0.005	<0.005	<0.005			
Selenium	7782-49-2	mg/L	4/6/2015					<0.005				
Selenium	7782-49-2	mg/L	10/5/2015					<0.005				
Selenium	7782-49-2	mg/L	4/4/2016					<0.005				
Selenium	7782-49-2	mg/L	10/17/2016					<0.005				
Selenium	7782-49-2	mg/L	4/17/2017					<0.005				
Selenium	7782-49-2	mg/L	10/11/2017					<0.005				
Selenium	7782-49-2	mg/L	4/20/2018					<0.005				
Selenium	7782-49-2	mg/L	10/16/2018					<0.0025				
Selenium	7782-49-2	mg/L	4/16/2019					<0.005				
Selenium	7782-49-2	mg/L	10/1/2019					<0.005				
Selenium	7782-49-2	mg/L	3/30/2020					<0.005				
Selenium	7782-49-2	mg/L	10/7/2020					0.00118J				
Selenium	7782-49-2	mg/L	4/13/2021					<0.004				
Selenium	7782-49-2	mg/L	4/29/2025					<0.00500				
Silver	7440-22-4	mg/L	2/27/2008				<0.01	<0.01				
Silver	7440-22-4	mg/L	5/12/2008				<0.01	<0.01				
Silver	7440-22-4	mg/L	7/13/2008				<0.01	<0.01				
Silver	7440-22-4	mg/L	9/14/2008				<0.01	<0.01				
Silver	7440-22-4	mg/L	11/17/2008				<0.02	<0.02				
Silver	7440-22-4	mg/L	4/14/2009				<0.01	<0.01				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Silver	7440-22-4	mg/L	10/25/2009				<0.025	<0.025				
Silver	7440-22-4	mg/L	5/10/2010				<0.02	<0.02				
Silver	7440-22-4	mg/L	12/7/2010						<0.02			
Silver	7440-22-4	mg/L	4/4/2011						<0.025			
Silver	7440-22-4	mg/L	10/13/2011				<0.02	<0.02	<0.02			
Silver	7440-22-4	mg/L	4/11/2012				<0.02	<0.02	<0.02			
Silver	7440-22-4	mg/L	10/11/2012				<0.02	<0.02	<0.02			
Silver	7440-22-4	mg/L	3/30/2013				<0.02	<0.02	<0.02			
Silver	7440-22-4	mg/L	10/7/2013				<0.02	<0.02	<0.02			
Silver	7440-22-4	mg/L	6/2/2014				<0.02	<0.02	<0.02			
Silver	7440-22-4	mg/L	10/15/2014				<0.02	<0.02	<0.02			
Silver	7440-22-4	mg/L	4/6/2015					<0.001				
Silver	7440-22-4	mg/L	10/5/2015					0.000149J				
Silver	7440-22-4	mg/L	4/4/2016					<0.001				
Silver	7440-22-4	mg/L	10/17/2016					<0.001				
Silver	7440-22-4	mg/L	4/17/2017					<0.001				
Silver	7440-22-4	mg/L	10/11/2017					0.000221J				
Silver	7440-22-4	mg/L	4/20/2018					<0.001				
Silver	7440-22-4	mg/L	10/16/2018					<0.0005				
Silver	7440-22-4	mg/L	4/16/2019					<0.001				
Silver	7440-22-4	mg/L	10/1/2019					<0.001				
Silver	7440-22-4	mg/L	3/30/2020					<0.001				
Silver	7440-22-4	mg/L	10/7/2020					<0.001				
Silver	7440-22-4	mg/L	4/13/2021					<0.004				
Silver	7440-22-4	mg/L	4/29/2025					<0.00100				
Silvex (2,4,5-TP)	93-72-1	ug/L	4/29/2025					<0.0552				
Sodium	7440-23-5	mg/L	6/2/2014				39.1	25.4	7.51			
Sodium	7440-23-5	mg/L	10/15/2014				38.7	22.6	8.16			
Sodium	7440-23-5	mg/L	4/16/2019									19.7
Sodium	7440-23-5	mg/L	10/1/2019									21.6
Styrene	100-42-5	ug/L	2/27/2008				<1	<1				
Styrene	100-42-5	ug/L	5/12/2008				<1	<1				
Styrene	100-42-5	ug/L	7/13/2008				<1	<1				
Styrene	100-42-5	ug/L	9/14/2008				<1	<1				
Styrene	100-42-5	ug/L	11/17/2008				<1	<1				
Styrene	100-42-5	ug/L	4/14/2009				<1	<1				
Styrene	100-42-5	ug/L	10/25/2009				<2	<2				
Styrene	100-42-5	ug/L	5/10/2010				<4	<4				
Styrene	100-42-5	ug/L	11/1/2010				<1	<1				
Styrene	100-42-5	ug/L	12/7/2010						<2			
Styrene	100-42-5	ug/L	10/13/2011				<1	<1	<1			
Styrene	100-42-5	ug/L	4/11/2012				<1	<1	<1			
Styrene	100-42-5	ug/L	10/11/2012				<1	<1	<1			
Styrene	100-42-5	ug/L	3/30/2013				<1	<1	<1			
Styrene	100-42-5	ug/L	10/7/2013				<1	<1				
Styrene	100-42-5	ug/L	6/2/2014				<1	<1	<1			
Styrene	100-42-5	ug/L	10/15/2014				<1	<1	<1			
Styrene	100-42-5	ug/L	4/6/2015					<1				
Styrene	100-42-5	ug/L	10/5/2015					<1				
Styrene	100-42-5	ug/L	4/4/2016					<1				
Styrene	100-42-5	ug/L	10/17/2016					<1				
Styrene	100-42-5	ug/L	4/17/2017					<1				
Styrene	100-42-5	ug/L	10/11/2017					<1				
Styrene	100-42-5	ug/L	4/20/2018					<1				
Styrene	100-42-5	ug/L	10/16/2018					<1				
Styrene	100-42-5	ug/L	4/16/2019					<1				
Styrene	100-42-5	ug/L	10/1/2019					<1				
Styrene	100-42-5	ug/L	3/30/2020					<10				
Styrene	100-42-5	ug/L	10/7/2020					<1				
Styrene	100-42-5	ug/L	4/13/2021					<1				
Styrene	100-42-5	ug/L	4/29/2025					<1.00				
Sulfate	14808-79-8	mg/L	6/2/2014				102	50.9	16.9			
Sulfate	14808-79-8	mg/L	10/15/2014				111	45.4	16.4			

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Sulfate	14808-79-8	mg/L	4/6/2015				113	38	16.9			
Sulfate	14808-79-8	mg/L	10/5/2015				113	31.3	15.7			
Sulfate	14808-79-8	mg/L	4/4/2016				115	30.7	15.3			
Sulfate	14808-79-8	mg/L	10/17/2016				116	31.4	14.4			
Sulfate	14808-79-8	mg/L	4/16/2019									24
Sulfate	14808-79-8	mg/L	10/1/2019									31.6
Sulfate	14808-79-8	mg/L	10/14/2022					30				
Sulfate	14808-79-8	mg/L	4/29/2025					46.0				
Sulfide	18496-25-8	mg/L	5/10/2010				<1	<1				
Sulfide	18496-25-8	mg/L	12/7/2010						<1			
Sulfide	18496-25-8	mg/L	10/5/2015					<1				
Sulfide	18496-25-8	mg/L	3/30/2020					<1	<1		2.34	
Sulfide	18496-25-8	mg/L	10/7/2020						<10		<10	
Sulfide	18496-25-8	mg/L	4/13/2021						<0.1		<0.1	
Sulfide	18496-25-8	mg/L	10/20/2021					<0.1			<0.1	
Sulfide	18496-25-8	mg/L	5/2/2022					0.15			<0.1	
Sulfide	18496-25-8	mg/L	10/14/2022					<0.1			0.029J	
Sulfide	18496-25-8	mg/L	5/1/2023					<1			<1	
Sulfide	18496-25-8	mg/L	10/16/2023					<1			<1	
Sulfide	18496-25-8	mg/L	4/29/2024					<1			<1	
Sulfide	18496-25-8	mg/L	10/9/2024					<1.00				
Sulfide	18496-25-8	mg/L	10/14/2024								<1.00	
Sulfide	18496-25-8	mg/L	4/29/2025					<1.00				
Sulfide	18496-25-8	mg/L	5/9/2025								0.349	
Tetrachloro-m-xylene	877-09-8	ug/L	4/29/2025					8.74; 8.74				
Tetrachloroethene	127-18-4	ug/L	2/27/2008				<1	4.93				
Tetrachloroethene	127-18-4	ug/L	5/12/2008				<1	6.02				
Tetrachloroethene	127-18-4	ug/L	7/13/2008				<1	6.15				
Tetrachloroethene	127-18-4	ug/L	9/14/2008				<1	7.06				
Tetrachloroethene	127-18-4	ug/L	11/17/2008				<1	6.25				
Tetrachloroethene	127-18-4	ug/L	4/14/2009				<1	9.28				
Tetrachloroethene	127-18-4	ug/L	7/7/2009					9.38				
Tetrachloroethene	127-18-4	ug/L	9/2/2009					12.8				
Tetrachloroethene	127-18-4	ug/L	10/25/2009				<1	13.3				
Tetrachloroethene	127-18-4	ug/L	1/2/2010					9.64				
Tetrachloroethene	127-18-4	ug/L	5/10/2010				<1	19.1				
Tetrachloroethene	127-18-4	ug/L	11/1/2010				<1	23.9				
Tetrachloroethene	127-18-4	ug/L	12/7/2010						<1			
Tetrachloroethene	127-18-4	ug/L	4/4/2011					26.4				
Tetrachloroethene	127-18-4	ug/L	10/13/2011				<1	25.4	<1			
Tetrachloroethene	127-18-4	ug/L	4/11/2012				<1	28.2	<1			
Tetrachloroethene	127-18-4	ug/L	10/11/2012				<1	26.3	<1			
Tetrachloroethene	127-18-4	ug/L	3/30/2013				<1	28.1	<1			
Tetrachloroethene	127-18-4	ug/L	10/7/2013				<1	26				
Tetrachloroethene	127-18-4	ug/L	6/2/2014				<1	35.1	<1			
Tetrachloroethene	127-18-4	ug/L	10/15/2014				<1	44.2	<1			
Tetrachloroethene	127-18-4	ug/L	4/6/2015					34.1				
Tetrachloroethene	127-18-4	ug/L	10/5/2015					29.7				
Tetrachloroethene	127-18-4	ug/L	4/4/2016				<1	28.8				
Tetrachloroethene	127-18-4	ug/L	10/17/2016				<1	39.5		<1		
Tetrachloroethene	127-18-4	ug/L	4/17/2017				<1	<1		<1		
Tetrachloroethene	127-18-4	ug/L	10/11/2017				<1	38.8		<1		
Tetrachloroethene	127-18-4	ug/L	4/20/2018					42				
Tetrachloroethene	127-18-4	ug/L	4/23/2018				<1					
Tetrachloroethene	127-18-4	ug/L	5/1/2018							<1		
Tetrachloroethene	127-18-4	ug/L	10/16/2018				<1	39.8		<1		
Tetrachloroethene	127-18-4	ug/L	4/16/2019				<1	45		<1		
Tetrachloroethene	127-18-4	ug/L	10/1/2019				<1	48.9		<1		
Tetrachloroethene	127-18-4	ug/L	3/30/2020				<1	42.7		<1		
Tetrachloroethene	127-18-4	ug/L	10/7/2020				<1	41.2		<1		
Tetrachloroethene	127-18-4	ug/L	4/13/2021				<1	46		<1		
Tetrachloroethene	127-18-4	ug/L	10/20/2021					34.6		<1		
Tetrachloroethene	127-18-4	ug/L	5/2/2022					40.6		<1		

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Tetrachloroethene	127-18-4	ug/L	10/14/2022					26.9		<1		
Tetrachloroethene	127-18-4	ug/L	5/1/2023					29.6		<1		
Tetrachloroethene	127-18-4	ug/L	10/16/2023					29.3		<1		
Tetrachloroethene	127-18-4	ug/L	4/29/2024					28.9		<1		
Tetrachloroethene	127-18-4	ug/L	10/9/2024					24.6				
Tetrachloroethene	127-18-4	ug/L	10/14/2024							<1.00		
Tetrachloroethene	127-18-4	ug/L	4/29/2025					29.7				
Tetrachloroethene	127-18-4	ug/L	5/8/2025							<1.00		
Thallium	7440-28-0	mg/L	2/27/2008				<0.002	<0.002				
Thallium	7440-28-0	mg/L	5/12/2008				<0.002	<0.002				
Thallium	7440-28-0	mg/L	7/13/2008				<0.002	<0.002				
Thallium	7440-28-0	mg/L	9/14/2008				<0.002	<0.002				
Thallium	7440-28-0	mg/L	11/17/2008				<0.002	<0.002				
Thallium	7440-28-0	mg/L	4/14/2009				<0.002	<0.002				
Thallium	7440-28-0	mg/L	10/25/2009				<0.002	<0.002				
Thallium	7440-28-0	mg/L	5/10/2010				<0.0004	<0.0004				
Thallium	7440-28-0	mg/L	11/1/2010				<0.002	<0.002				
Thallium	7440-28-0	mg/L	12/7/2010						<0.002			
Thallium	7440-28-0	mg/L	10/13/2011				<0.002	<0.002	<0.002			
Thallium	7440-28-0	mg/L	4/11/2012				<0.002	<0.002	<0.002			
Thallium	7440-28-0	mg/L	10/11/2012				<0.002	<0.002	<0.002			
Thallium	7440-28-0	mg/L	3/30/2013				<0.002	<0.002	<0.002			
Thallium	7440-28-0	mg/L	10/7/2013				<0.002	<0.002	<0.002			
Thallium	7440-28-0	mg/L	6/2/2014				<0.002	<0.002	<0.002			
Thallium	7440-28-0	mg/L	10/15/2014				<0.002	<0.002	<0.002			
Thallium	7440-28-0	mg/L	4/6/2015					<0.001				
Thallium	7440-28-0	mg/L	10/5/2015					0.000035J				
Thallium	7440-28-0	mg/L	4/4/2016					<0.001				
Thallium	7440-28-0	mg/L	10/17/2016					<0.001				
Thallium	7440-28-0	mg/L	4/17/2017					<0.001				
Thallium	7440-28-0	mg/L	10/11/2017					<0.001				
Thallium	7440-28-0	mg/L	4/20/2018					<0.001				
Thallium	7440-28-0	mg/L	10/16/2018					<0.002				
Thallium	7440-28-0	mg/L	4/16/2019					<0.001				
Thallium	7440-28-0	mg/L	10/1/2019					<0.001				
Thallium	7440-28-0	mg/L	3/30/2020					<0.001				
Thallium	7440-28-0	mg/L	10/7/2020					<0.001				
Thallium	7440-28-0	mg/L	4/13/2021					<0.002				
Thallium	7440-28-0	mg/L	4/29/2025					<0.00100				
Thionazin	297-97-2	ug/L	10/5/2015					<10.2				
Thionazin	297-97-2	ug/L	3/30/2020					<10.4				
Thionazin	297-97-2	ug/L	4/29/2025					<10.0				
Tin	7440-31-5	mg/L	4/14/2009				0.12	<0.1				
Tin	7440-31-5	mg/L	7/7/2009				<0.1					
Tin	7440-31-5	mg/L	9/2/2009				<0.1					
Tin	7440-31-5	mg/L	10/25/2009				<0.1					
Tin	7440-31-5	mg/L	1/2/2010				<0.1					
Tin	7440-31-5	mg/L	5/10/2010				<0.1	<0.1				
Tin	7440-31-5	mg/L	12/7/2010						<0.1			
Tin	7440-31-5	mg/L	4/11/2012				<0.1					
Tin	7440-31-5	mg/L	10/11/2012				<0.1					
Tin	7440-31-5	mg/L	3/30/2013				<0.1					
Tin	7440-31-5	mg/L	6/2/2014				<0.1					
Tin	7440-31-5	mg/L	10/15/2014				0.132					
Tin	7440-31-5	mg/L	10/5/2015					<0.005				
Tin	7440-31-5	mg/L	3/30/2020					<0.005				
Tin	7440-31-5	mg/L	4/29/2025					<0.00500				
Toluene	108-88-3	ug/L	2/27/2008				<1	<1				
Toluene	108-88-3	ug/L	5/12/2008				<1	<1				
Toluene	108-88-3	ug/L	7/13/2008				<1	<1				
Toluene	108-88-3	ug/L	9/14/2008				<1	<1				
Toluene	108-88-3	ug/L	11/17/2008				<1	<1				
Toluene	108-88-3	ug/L	4/14/2009				<1	<1				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Toluene	108-88-3	ug/L	10/25/2009				<1	<1				
Toluene	108-88-3	ug/L	5/10/2010				<1	<1				
Toluene	108-88-3	ug/L	11/1/2010				<1	<1				
Toluene	108-88-3	ug/L	12/7/2010						<1			
Toluene	108-88-3	ug/L	10/13/2011				<1	<1	<1			
Toluene	108-88-3	ug/L	4/11/2012				<1	<1	<1			
Toluene	108-88-3	ug/L	10/11/2012				<1	<1	<1			
Toluene	108-88-3	ug/L	3/30/2013				<1	<1	<1			
Toluene	108-88-3	ug/L	10/7/2013				<1	<1				
Toluene	108-88-3	ug/L	6/2/2014				<1	<1	<1			
Toluene	108-88-3	ug/L	10/15/2014				<1	<1	<1			
Toluene	108-88-3	ug/L	4/6/2015					<1				
Toluene	108-88-3	ug/L	10/5/2015					<1				
Toluene	108-88-3	ug/L	4/4/2016					<1				
Toluene	108-88-3	ug/L	10/17/2016					<1				
Toluene	108-88-3	ug/L	4/17/2017					<1				
Toluene	108-88-3	ug/L	10/11/2017					<1				
Toluene	108-88-3	ug/L	4/20/2018					<1				
Toluene	108-88-3	ug/L	10/16/2018					<1				
Toluene	108-88-3	ug/L	4/16/2019					<1				
Toluene	108-88-3	ug/L	10/1/2019					<1				
Toluene	108-88-3	ug/L	3/30/2020					<10				
Toluene	108-88-3	ug/L	10/7/2020					<1				
Toluene	108-88-3	ug/L	4/13/2021					<1				
Toluene	108-88-3	ug/L	4/29/2025					<1.00				
Total Organic Carbon	7440-44-0	mg/L	4/29/2025					2.93				
Total Organic Carbon	TOC	mg/L	4/6/2015				9.52	1.89	0.54J			
Total Organic Carbon	TOC	mg/L	10/5/2015				8.54	1.64	<1			
Total Organic Carbon	TOC	mg/L	4/4/2016				8.04	2.05	<1			
Total Organic Carbon	TOC	mg/L	10/17/2016				4.04	1.88	<1			
Total Suspended Solids	STL00161	mg/L	10/9/2024			19.5	39.8	4.00				
Total Suspended Solids	STL00161	mg/L	10/10/2024						2.38			48.0
Total Suspended Solids	STL00161	mg/L	10/14/2024	2.50							9.25	
Total Suspended Solids	STL00161	mg/L	10/15/2024		10.7							
Total Suspended Solids	STL00161	mg/L	4/24/2025				6.00		<1.88			80.0
Total Suspended Solids	STL00161	mg/L	4/29/2025					3.75				
Total Suspended Solids	STL00161	mg/L	4/30/2025			3.63						
Total Suspended Solids	STL00161	mg/L	5/9/2025	6.75	18.0						1.63	
Total Suspended Solids	TSS	mg/L	6/2/2014			208	9.5	<5	4.67J			
Total Suspended Solids	TSS	mg/L	10/15/2014			199	9.83	<1.88	76.8			
Total Suspended Solids	TSS	mg/L	4/6/2015				12.8	<2.5	3.33			
Total Suspended Solids	TSS	mg/L	10/5/2015				6	1.88	147			
Total Suspended Solids	TSS	mg/L	4/4/2016				5.88	19.1	2			
Total Suspended Solids	TSS	mg/L	10/11/2016					11.6				
Total Suspended Solids	TSS	mg/L	10/17/2016				7.88	2.75	1.88	1.13J	9.67	
Total Suspended Solids	TSS	mg/L	11/14/2016					5.5				
Total Suspended Solids	TSS	mg/L	4/17/2017				19	10.4	1.88	1.13J	15.4	
Total Suspended Solids	TSS	mg/L	10/11/2017	35.7	21.7	19.5	18	5.25	2.75	1J	11.5	
Total Suspended Solids	TSS	mg/L	4/20/2018					3.38				
Total Suspended Solids	TSS	mg/L	4/23/2018				25.5					
Total Suspended Solids	TSS	mg/L	4/24/2018			1.38J			1.25J			
Total Suspended Solids	TSS	mg/L	4/30/2018	4.38	13.9						37	
Total Suspended Solids	TSS	mg/L	5/1/2018							4.33J		
Total Suspended Solids	TSS	mg/L	10/16/2018	1.5J	11	7.25	19	2.5	2.38	2.88	20.7	68
Total Suspended Solids	TSS	mg/L	4/16/2019	2.63	26.5	2.63	12	3.5	0.875J	1.5J	21.3	56
Total Suspended Solids	TSS	mg/L	10/1/2019	0.75J	13.7	4	11.3	6.62	1.63J	1.25J	27.5	34.5
Total Suspended Solids	TSS	mg/L	3/30/2020	2.5	13.5	5.25	18	7.62	8.13	1.13J	20J	42
Total Suspended Solids	TSS	mg/L	10/7/2020	7.38	18.8	2.5	11.4	5.67	127	<1.88	17.3	42
Total Suspended Solids	TSS	mg/L	4/13/2021	<2	10	2	6	18	3	<2	18	51
Total Suspended Solids	TSS	mg/L	10/20/2021	34	17	6	26	17	0.9J		13	56
Total Suspended Solids	TSS	mg/L	5/2/2022	9	25	2	12	10	<2		12	72
Total Suspended Solids	TSS	mg/L	10/14/2022	<2	10	7	12	5	<2		6	56
Total Suspended Solids	TSS	mg/L	5/1/2023	8.88	13.3	2.5	17.8	5.88	<1.88		3.13	53

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Total Suspended Solids	TSS	mg/L	10/16/2023	5.25	10	5.25	14.5	2.5	1.13J		7.75	76
Total Suspended Solids	TSS	mg/L	4/29/2024	7.13	14.3	4.38	8.37	2.13	3.75		<1.88	76
Toxaphene	8001-35-2	ug/L	4/14/2009				<2	<2				
Toxaphene	8001-35-2	ug/L	5/10/2010				<2	<2				
Toxaphene	8001-35-2	ug/L	12/7/2010						<2			
Toxaphene	8001-35-2	ug/L	10/5/2015					<2.08				
Toxaphene	8001-35-2	ug/L	3/30/2020					<2.06				
Toxaphene	8001-35-2	ug/L	4/29/2025					<1.81				
Trichloroethene	79-01-6	ug/L	2/27/2008				<1	2.58				
Trichloroethene	79-01-6	ug/L	5/12/2008				<1	3.52				
Trichloroethene	79-01-6	ug/L	7/13/2008				<1	3.08				
Trichloroethene	79-01-6	ug/L	9/14/2008				<1	3.75				
Trichloroethene	79-01-6	ug/L	11/17/2008				<1	3.36				
Trichloroethene	79-01-6	ug/L	4/14/2009				<1	4.79				
Trichloroethene	79-01-6	ug/L	7/7/2009					4.55				
Trichloroethene	79-01-6	ug/L	9/2/2009					5.64				
Trichloroethene	79-01-6	ug/L	10/25/2009				<1	6.3				
Trichloroethene	79-01-6	ug/L	1/2/2010					7.24				
Trichloroethene	79-01-6	ug/L	5/10/2010				<1	8.59				
Trichloroethene	79-01-6	ug/L	11/1/2010				<1	11.6				
Trichloroethene	79-01-6	ug/L	12/7/2010						<1			
Trichloroethene	79-01-6	ug/L	4/4/2011					12.4				
Trichloroethene	79-01-6	ug/L	10/13/2011				<1	12.3	<1			
Trichloroethene	79-01-6	ug/L	4/11/2012				<1	13.5	<1			
Trichloroethene	79-01-6	ug/L	10/11/2012				<1	11.4	<1			
Trichloroethene	79-01-6	ug/L	3/30/2013				<1	15.1	<1			
Trichloroethene	79-01-6	ug/L	10/7/2013				<1	14				
Trichloroethene	79-01-6	ug/L	6/2/2014				<1	21.3	<1			
Trichloroethene	79-01-6	ug/L	10/15/2014				<1	25	<1			
Trichloroethene	79-01-6	ug/L	4/6/2015					21				
Trichloroethene	79-01-6	ug/L	10/5/2015					21.1				
Trichloroethene	79-01-6	ug/L	4/4/2016				<1	19.5				
Trichloroethene	79-01-6	ug/L	10/17/2016				<1	27.8		<1		
Trichloroethene	79-01-6	ug/L	4/17/2017				<1	<1		<1		
Trichloroethene	79-01-6	ug/L	10/11/2017				<1	30.3		<1		
Trichloroethene	79-01-6	ug/L	4/20/2018					31.6				
Trichloroethene	79-01-6	ug/L	4/23/2018				<1					
Trichloroethene	79-01-6	ug/L	5/1/2018							<1		
Trichloroethene	79-01-6	ug/L	10/16/2018				<1	29.2		<1		
Trichloroethene	79-01-6	ug/L	4/16/2019				<1	32.4		<1		
Trichloroethene	79-01-6	ug/L	10/1/2019				<1	36.3		<1		
Trichloroethene	79-01-6	ug/L	3/30/2020				<1	32.3		<1		
Trichloroethene	79-01-6	ug/L	10/7/2020				<1	35.1		<1		
Trichloroethene	79-01-6	ug/L	4/13/2021				<1	34.7		<1		
Trichloroethene	79-01-6	ug/L	10/20/2021					27.9		<1		
Trichloroethene	79-01-6	ug/L	5/2/2022					37.7		<1		
Trichloroethene	79-01-6	ug/L	10/14/2022					38.9		<1		
Trichloroethene	79-01-6	ug/L	5/1/2023					34.3		<1		
Trichloroethene	79-01-6	ug/L	10/16/2023					36.2		<1		
Trichloroethene	79-01-6	ug/L	4/29/2024					29.3		<1		
Trichloroethene	79-01-6	ug/L	10/9/2024					28.9				
Trichloroethene	79-01-6	ug/L	10/14/2024							<1.00		
Trichloroethene	79-01-6	ug/L	4/29/2025					28.1				
Trichloroethene	79-01-6	ug/L	5/8/2025							<1.00		
Trichlorofluoromethane	75-69-4	ug/L	2/27/2008				<4	21.3				
Trichlorofluoromethane	75-69-4	ug/L	5/12/2008				<4	25.1				
Trichlorofluoromethane	75-69-4	ug/L	7/13/2008				<4	16.1				
Trichlorofluoromethane	75-69-4	ug/L	9/14/2008				<4	24.4				
Trichlorofluoromethane	75-69-4	ug/L	11/17/2008				<4	17.8				
Trichlorofluoromethane	75-69-4	ug/L	4/14/2009				<4	26.7				
Trichlorofluoromethane	75-69-4	ug/L	7/7/2009					23.6				
Trichlorofluoromethane	75-69-4	ug/L	9/2/2009					26.1				
Trichlorofluoromethane	75-69-4	ug/L	10/25/2009				<4	29.9				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Trichlorofluoromethane	75-69-4	ug/L	1/2/2010					23.5				
Trichlorofluoromethane	75-69-4	ug/L	5/10/2010				<4	21.3				
Trichlorofluoromethane	75-69-4	ug/L	11/1/2010				<4	27				
Trichlorofluoromethane	75-69-4	ug/L	12/7/2010						<4			
Trichlorofluoromethane	75-69-4	ug/L	4/4/2011					15.6				
Trichlorofluoromethane	75-69-4	ug/L	10/13/2011				<4	18	<4			
Trichlorofluoromethane	75-69-4	ug/L	4/11/2012				<4	11.1	<4			
Trichlorofluoromethane	75-69-4	ug/L	10/11/2012				<4	11	<4			
Trichlorofluoromethane	75-69-4	ug/L	3/30/2013				<4	11.2	<4			
Trichlorofluoromethane	75-69-4	ug/L	10/7/2013				<4	9.23				
Trichlorofluoromethane	75-69-4	ug/L	6/2/2014				<4	10	<4			
Trichlorofluoromethane	75-69-4	ug/L	10/15/2014				<4	12.3	<4			
Trichlorofluoromethane	75-69-4	ug/L	4/6/2015					8.4				
Trichlorofluoromethane	75-69-4	ug/L	10/5/2015					6.56				
Trichlorofluoromethane	75-69-4	ug/L	4/4/2016					4.47				
Trichlorofluoromethane	75-69-4	ug/L	10/17/2016					9.95				
Trichlorofluoromethane	75-69-4	ug/L	4/17/2017					<4				
Trichlorofluoromethane	75-69-4	ug/L	10/11/2017					1.27J				
Trichlorofluoromethane	75-69-4	ug/L	4/20/2018					2.83J				
Trichlorofluoromethane	75-69-4	ug/L	10/16/2018					4.4				
Trichlorofluoromethane	75-69-4	ug/L	4/16/2019					<4				
Trichlorofluoromethane	75-69-4	ug/L	10/1/2019					<4				
Trichlorofluoromethane	75-69-4	ug/L	3/30/2020					<40				
Trichlorofluoromethane	75-69-4	ug/L	10/7/2020					<4				
Trichlorofluoromethane	75-69-4	ug/L	4/13/2021					2.9				
Trichlorofluoromethane	75-69-4	ug/L	4/29/2025					<4.00				
Vanadium	7440-62-2	mg/L	2/27/2008				0.0591	<0.05				
Vanadium	7440-62-2	mg/L	5/12/2008				<0.05	<0.05				
Vanadium	7440-62-2	mg/L	7/13/2008				<0.05	<0.05				
Vanadium	7440-62-2	mg/L	9/14/2008				<0.05	<0.05				
Vanadium	7440-62-2	mg/L	11/17/2008				<0.05	<0.05				
Vanadium	7440-62-2	mg/L	4/14/2009				<0.05	<0.05				
Vanadium	7440-62-2	mg/L	10/25/2009				<0.05	<0.05				
Vanadium	7440-62-2	mg/L	5/10/2010				<0.05	<0.05				
Vanadium	7440-62-2	mg/L	11/1/2010				<0.05	<0.05				
Vanadium	7440-62-2	mg/L	12/7/2010						<0.05			
Vanadium	7440-62-2	mg/L	10/13/2011				<0.05	<0.05	<0.05			
Vanadium	7440-62-2	mg/L	4/11/2012				<0.05	<0.05	<0.05			
Vanadium	7440-62-2	mg/L	10/11/2012				<0.05	<0.05	<0.05			
Vanadium	7440-62-2	mg/L	3/30/2013				<0.05	<0.05	<0.05			
Vanadium	7440-62-2	mg/L	10/7/2013				<0.05	<0.05	<0.05			
Vanadium	7440-62-2	mg/L	6/2/2014				<0.05	<0.05	<0.05			
Vanadium	7440-62-2	mg/L	10/15/2014				<0.05	<0.05	<0.05			
Vanadium	7440-62-2	mg/L	4/6/2015					<0.005				
Vanadium	7440-62-2	mg/L	10/5/2015					<0.005				
Vanadium	7440-62-2	mg/L	4/4/2016					<0.005				
Vanadium	7440-62-2	mg/L	10/17/2016					0.000673J				
Vanadium	7440-62-2	mg/L	4/17/2017					<0.005				
Vanadium	7440-62-2	mg/L	10/11/2017					<0.005				
Vanadium	7440-62-2	mg/L	4/20/2018					<0.005				
Vanadium	7440-62-2	mg/L	10/16/2018					0.0022J				
Vanadium	7440-62-2	mg/L	4/16/2019					<0.005				
Vanadium	7440-62-2	mg/L	10/1/2019					<0.005				
Vanadium	7440-62-2	mg/L	3/30/2020					<0.005				
Vanadium	7440-62-2	mg/L	10/7/2020					<0.005				
Vanadium	7440-62-2	mg/L	4/13/2021					<0.02				
Vanadium	7440-62-2	mg/L	4/29/2025					<0.00500				
Vinyl Acetate	108-05-4	ug/L	2/27/2008				<2	<2				
Vinyl Acetate	108-05-4	ug/L	5/12/2008				<2.5	<2.5				
Vinyl Acetate	108-05-4	ug/L	7/13/2008				<2	<2				
Vinyl Acetate	108-05-4	ug/L	9/14/2008				<2	<2				
Vinyl Acetate	108-05-4	ug/L	11/17/2008				<2	<2				
Vinyl Acetate	108-05-4	ug/L	4/14/2009				<2	<2				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Vinyl Acetate	108-05-4	ug/L	10/25/2009				<2	<2				
Vinyl Acetate	108-05-4	ug/L	5/10/2010				<2	<2				
Vinyl Acetate	108-05-4	ug/L	11/1/2010				<2	<2				
Vinyl Acetate	108-05-4	ug/L	12/7/2010						<2			
Vinyl Acetate	108-05-4	ug/L	10/13/2011				<2	<50	<10			
Vinyl Acetate	108-05-4	ug/L	4/11/2012				<2	<20	<2			
Vinyl Acetate	108-05-4	ug/L	10/11/2012				<10	<2	<10			
Vinyl Acetate	108-05-4	ug/L	3/30/2013				<2	<2	<2			
Vinyl Acetate	108-05-4	ug/L	10/7/2013				<2	<2				
Vinyl Acetate	108-05-4	ug/L	6/2/2014				<2	<2	<2			
Vinyl Acetate	108-05-4	ug/L	10/15/2014				<10	<10	<10			
Vinyl Acetate	108-05-4	ug/L	4/6/2015					<10				
Vinyl Acetate	108-05-4	ug/L	10/5/2015					<10				
Vinyl Acetate	108-05-4	ug/L	4/4/2016					<10				
Vinyl Acetate	108-05-4	ug/L	10/17/2016					<10				
Vinyl Acetate	108-05-4	ug/L	4/17/2017					<10				
Vinyl Acetate	108-05-4	ug/L	10/11/2017					<10				
Vinyl Acetate	108-05-4	ug/L	4/20/2018					<10				
Vinyl Acetate	108-05-4	ug/L	10/16/2018					<10				
Vinyl Acetate	108-05-4	ug/L	4/16/2019					<10				
Vinyl Acetate	108-05-4	ug/L	10/1/2019					<10				
Vinyl Acetate	108-05-4	ug/L	3/30/2020					<100				
Vinyl Acetate	108-05-4	ug/L	10/7/2020					<10				
Vinyl Acetate	108-05-4	ug/L	4/13/2021					<5				
Vinyl Chloride	75-01-4	ug/L	2/27/2008				<1	3.41				
Vinyl Chloride	75-01-4	ug/L	5/12/2008				<1	3.71				
Vinyl Chloride	75-01-4	ug/L	7/13/2008				<1	<1				
Vinyl Chloride	75-01-4	ug/L	9/14/2008				<1	<1				
Vinyl Chloride	75-01-4	ug/L	11/17/2008				<1	<1				
Vinyl Chloride	75-01-4	ug/L	4/14/2009				<1	2.36				
Vinyl Chloride	75-01-4	ug/L	7/7/2009					<1				
Vinyl Chloride	75-01-4	ug/L	9/2/2009					<1				
Vinyl Chloride	75-01-4	ug/L	10/25/2009				<1	1.41				
Vinyl Chloride	75-01-4	ug/L	1/2/2010					1.22				
Vinyl Chloride	75-01-4	ug/L	5/10/2010				<1	1.54				
Vinyl Chloride	75-01-4	ug/L	11/1/2010				<1	3.3				
Vinyl Chloride	75-01-4	ug/L	12/7/2010						<1			
Vinyl Chloride	75-01-4	ug/L	4/4/2011					3.17				
Vinyl Chloride	75-01-4	ug/L	10/13/2011				<1	1.37	<1			
Vinyl Chloride	75-01-4	ug/L	4/11/2012				<1	<1	<1			
Vinyl Chloride	75-01-4	ug/L	10/11/2012				<1	<1	<1			
Vinyl Chloride	75-01-4	ug/L	3/30/2013				<1	1.74	<1			
Vinyl Chloride	75-01-4	ug/L	10/7/2013				<1	6.56				
Vinyl Chloride	75-01-4	ug/L	6/2/2014				<1	2.76	<1			
Vinyl Chloride	75-01-4	ug/L	10/15/2014				<1	5.77	<1			
Vinyl Chloride	75-01-4	ug/L	4/6/2015					2.85				
Vinyl Chloride	75-01-4	ug/L	10/5/2015					6.12				
Vinyl Chloride	75-01-4	ug/L	4/4/2016					10.4				
Vinyl Chloride	75-01-4	ug/L	10/17/2016					16.8		<1		
Vinyl Chloride	75-01-4	ug/L	4/17/2017					<1		<1		
Vinyl Chloride	75-01-4	ug/L	10/11/2017					13.2		<1		
Vinyl Chloride	75-01-4	ug/L	4/20/2018					12.7				
Vinyl Chloride	75-01-4	ug/L	5/1/2018							<1		
Vinyl Chloride	75-01-4	ug/L	10/16/2018					13.7		<1		
Vinyl Chloride	75-01-4	ug/L	4/16/2019					13.5		<1		
Vinyl Chloride	75-01-4	ug/L	10/1/2019					20.5		<1		
Vinyl Chloride	75-01-4	ug/L	3/30/2020					15.4		<1		
Vinyl Chloride	75-01-4	ug/L	10/7/2020					22.2		<1		
Vinyl Chloride	75-01-4	ug/L	4/13/2021					22		<1		
Vinyl Chloride	75-01-4	ug/L	10/20/2021					28.9		<1		
Vinyl Chloride	75-01-4	ug/L	5/2/2022					32.2		<1		
Vinyl Chloride	75-01-4	ug/L	10/14/2022					25.2		<1		
Vinyl Chloride	75-01-4	ug/L	5/1/2023					24.2		<1		

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Vinyl Chloride	75-01-4	ug/L	10/16/2023					28.1		<1		
Vinyl Chloride	75-01-4	ug/L	4/29/2024					21.8		<1		
Vinyl acetate	108-05-4	ug/L	4/29/2025					<10.0				
Vinyl chloride	75-01-4	ug/L	10/9/2024					21.5				
Vinyl chloride	75-01-4	ug/L	10/14/2024							<1.00		
Vinyl chloride	75-01-4	ug/L	4/29/2025					24.3				
Vinyl chloride	75-01-4	ug/L	5/8/2025							<1.00		
Xylenes, Total	1330-20-7	ug/L	2/27/2008				<3	<3				
Xylenes, Total	1330-20-7	ug/L	5/12/2008				<3	<3				
Xylenes, Total	1330-20-7	ug/L	7/13/2008				<3	<3				
Xylenes, Total	1330-20-7	ug/L	9/14/2008				<3	<3				
Xylenes, Total	1330-20-7	ug/L	11/17/2008				<3	<3				
Xylenes, Total	1330-20-7	ug/L	4/14/2009				<3	<3				
Xylenes, Total	1330-20-7	ug/L	10/25/2009				<4	<6				
Xylenes, Total	1330-20-7	ug/L	5/10/2010				<12	<12				
Xylenes, Total	1330-20-7	ug/L	11/1/2010				<3	<3				
Xylenes, Total	1330-20-7	ug/L	12/7/2010						<3			
Xylenes, Total	1330-20-7	ug/L	10/13/2011				<3	<3	<3			
Xylenes, Total	1330-20-7	ug/L	4/11/2012				<3	<3	<3			
Xylenes, Total	1330-20-7	ug/L	10/11/2012				<3	<3	<3			
Xylenes, Total	1330-20-7	ug/L	3/30/2013				<3	<3	<3			
Xylenes, Total	1330-20-7	ug/L	10/7/2013				<3	<3				
Xylenes, Total	1330-20-7	ug/L	6/2/2014				<3	<3	<3			
Xylenes, Total	1330-20-7	ug/L	10/15/2014				<3	<3	<3			
Xylenes, Total	1330-20-7	ug/L	4/6/2015					<3				
Xylenes, Total	1330-20-7	ug/L	10/5/2015					<3				
Xylenes, Total	1330-20-7	ug/L	4/4/2016					<3				
Xylenes, Total	1330-20-7	ug/L	10/17/2016					<3				
Xylenes, Total	1330-20-7	ug/L	4/17/2017					<3				
Xylenes, Total	1330-20-7	ug/L	10/11/2017					<3				
Xylenes, Total	1330-20-7	ug/L	4/20/2018					<3				
Xylenes, Total	1330-20-7	ug/L	10/16/2018					<3				
Xylenes, Total	1330-20-7	ug/L	4/16/2019					<3				
Xylenes, Total	1330-20-7	ug/L	10/1/2019					<3				
Xylenes, Total	1330-20-7	ug/L	3/30/2020					<30				
Xylenes, Total	1330-20-7	ug/L	10/7/2020					<3				
Xylenes, Total	1330-20-7	ug/L	4/13/2021					<2				
Xylenes, Total	1330-20-7	ug/L	4/29/2025					<3.00				
Zinc	7440-66-6	mg/L	2/27/2008				0.116	<0.1				
Zinc	7440-66-6	mg/L	5/12/2008				0.187	<0.1				
Zinc	7440-66-6	mg/L	7/13/2008				0.15	<0.1				
Zinc	7440-66-6	mg/L	9/14/2008				<0.1	<0.1				
Zinc	7440-66-6	mg/L	11/17/2008				0.102	0.239				
Zinc	7440-66-6	mg/L	4/14/2009				<0.1	<0.1				
Zinc	7440-66-6	mg/L	10/25/2009				<0.1	<0.1				
Zinc	7440-66-6	mg/L	5/10/2010				0.0501	0.0884				
Zinc	7440-66-6	mg/L	12/7/2010						0.0876			
Zinc	7440-66-6	mg/L	1/10/2011						0.0752			
Zinc	7440-66-6	mg/L	4/4/2011						<0.1			
Zinc	7440-66-6	mg/L	10/13/2011				0.0217	<0.02	<0.02			
Zinc	7440-66-6	mg/L	4/11/2012				0.0513	<0.02	0.0693			
Zinc	7440-66-6	mg/L	10/11/2012				<0.02	<0.02	<0.02			
Zinc	7440-66-6	mg/L	3/30/2013				0.0562	0.0504	0.0309			
Zinc	7440-66-6	mg/L	10/7/2013				0.141	0.0979	0.135			
Zinc	7440-66-6	mg/L	6/2/2014				<0.08	<0.08	<0.02			
Zinc	7440-66-6	mg/L	10/15/2014				<0.02	<0.02	<0.02			
Zinc	7440-66-6	mg/L	4/6/2015					0.00883J				
Zinc	7440-66-6	mg/L	10/5/2015					<0.01				
Zinc	7440-66-6	mg/L	4/4/2016					<0.01				
Zinc	7440-66-6	mg/L	10/17/2016					<0.01				
Zinc	7440-66-6	mg/L	4/17/2017					<0.02				
Zinc	7440-66-6	mg/L	10/11/2017					<0.02				
Zinc	7440-66-6	mg/L	4/20/2018					<0.02				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
Zinc	7440-66-6	mg/L	10/16/2018					<0.02				
Zinc	7440-66-6	mg/L	4/16/2019					<0.02				
Zinc	7440-66-6	mg/L	10/1/2019					<0.02				
Zinc	7440-66-6	mg/L	3/30/2020					<0.02				
Zinc	7440-66-6	mg/L	10/7/2020					<0.02				
Zinc	7440-66-6	mg/L	4/13/2021					<0.02				
Zinc	7440-66-6	mg/L	4/29/2025					<0.0200				
alpha-BHC	319-84-6	ug/L	4/29/2025					<0.0904				
beta-BHC	319-85-7	ug/L	4/29/2025					<0.0904				
bis (2-chloroisopropyl) ether	108-60-1	ug/L	4/29/2025					<10.0				
cis-1,2-Dichloroethene	156-59-2	ug/L	2/27/2008				<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	5/12/2008				<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	7/13/2008				<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	9/14/2008				<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	11/17/2008				<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/14/2009				<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	10/25/2009				<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	5/10/2010				<1	1.63				
cis-1,2-Dichloroethene	156-59-2	ug/L	11/1/2010				<1	2.25				
cis-1,2-Dichloroethene	156-59-2	ug/L	12/7/2010						<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	10/13/2011				<1	2.07	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	4/11/2012				<1	2.22	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	10/11/2012				<1	1.86	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	3/30/2013				<1	2.9	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	10/7/2013				<1	4.95				
cis-1,2-Dichloroethene	156-59-2	ug/L	6/2/2014				<1	5.9	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	10/15/2014				<1	8.7	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	4/6/2015					8.69				
cis-1,2-Dichloroethene	156-59-2	ug/L	10/5/2015					11.4				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/4/2016					33.1				
cis-1,2-Dichloroethene	156-59-2	ug/L	10/17/2016					40.3				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/17/2017					<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	10/11/2017					75				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/20/2018					58.1				
cis-1,2-Dichloroethene	156-59-2	ug/L	10/16/2018					59.2				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/16/2019					99.2				
cis-1,2-Dichloroethene	156-59-2	ug/L	10/1/2019					176				
cis-1,2-Dichloroethene	156-59-2	ug/L	3/30/2020					124				
cis-1,2-Dichloroethene	156-59-2	ug/L	10/7/2020					167				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/13/2021					186				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/29/2025					254				
cis-1,3-Dichloropropene	10061-01-5	ug/L	2/27/2008				<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/12/2008				<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	7/13/2008				<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	9/14/2008				<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	11/17/2008				<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/14/2009				<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/25/2009				<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/10/2010				<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	11/1/2010				<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	12/7/2010						<10			
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/13/2011				<5	<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/11/2012				<5	<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/11/2012				<5	<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/30/2013				<5	<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/7/2013				<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	6/2/2014				<5	<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/15/2014				<5	<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/6/2015					<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/5/2015					<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/4/2016					<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/17/2016					<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/17/2017					<5				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/11/2017					<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/20/2018					<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/16/2018					<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/16/2019					<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/1/2019					<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/30/2020					<50				
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/7/2020					<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/13/2021					<1				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/29/2025					<5.00				
delta-BHC	319-86-8	ug/L	4/29/2025					<0.0904				
gamma-BHC (Lindane)	58-89-9	ug/L	4/29/2025					<0.0904				
m/p-Cresol	T-34MP	ug/L	4/14/2009				<10	<10				
m/p-Cresol	T-34MP	ug/L	5/10/2010				<10	<10				
m/p-Cresol	T-34MP	ug/L	12/7/2010						<10			
m/p-Cresol	T-34MP	ug/L	10/5/2015					<10.2				
m/p-Cresol	T-34MP	ug/L	3/30/2020					<10.4				
o,o',o''-Triethylphosphorothioate	126-68-1	ug/L	4/29/2025					<10.0				
o-Toluidine	95-53-4	ug/L	4/29/2025					<10.0				
p-Chloroaniline	106-47-8	ug/L	4/14/2009				<10	<10				
p-Chloroaniline	106-47-8	ug/L	5/10/2010				<10	<10				
p-Chloroaniline	106-47-8	ug/L	12/7/2010						<10			
p-Chloroaniline	106-47-8	ug/L	10/5/2015					<10.2				
p-Chloroaniline	106-47-8	ug/L	3/30/2020					<10.4				
p-Dimethylamino azobenzene	60-11-7	ug/L	4/29/2025					<10.0				
trans-1,2-Dichloroethene	156-60-5	ug/L	2/27/2008				<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	5/12/2008				<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	7/13/2008				<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	9/14/2008				<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	11/17/2008				<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/14/2009				<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	10/25/2009				<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	5/10/2010				<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	11/1/2010				<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	12/7/2010						<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	10/13/2011				<1	<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	4/11/2012				<1	<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	10/11/2012				<1	<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	3/30/2013				<1	<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	10/7/2013				<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	6/2/2014				<1	<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	10/15/2014				<1	<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	4/6/2015					<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	10/5/2015					0.343J				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/4/2016					0.633J				
trans-1,2-Dichloroethene	156-60-5	ug/L	10/17/2016					1.1				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/17/2017					<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	10/11/2017					0.841J				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/20/2018					0.894J				
trans-1,2-Dichloroethene	156-60-5	ug/L	10/16/2018					0.769J				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/16/2019					1.25				
trans-1,2-Dichloroethene	156-60-5	ug/L	10/1/2019					1.99				
trans-1,2-Dichloroethene	156-60-5	ug/L	3/30/2020					<10				
trans-1,2-Dichloroethene	156-60-5	ug/L	10/7/2020					1.98				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/13/2021					1.6				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/29/2025					1.48				
trans-1,3-Dichloropropene	10061-02-6	ug/L	2/27/2008				<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/12/2008				<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	7/13/2008				<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	9/14/2008				<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	11/17/2008				<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/14/2009				<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/25/2009				<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/10/2010				<5	<5				

Table 9A
Analytical Data Summary - CAMP Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-2C-97	MW-7C	MW-11D	MW-15A	MW-18A-07	MW-306A	MW-404	MW-407	MW-409
trans-1,3-Dichloropropene	10061-02-6	ug/L	11/1/2010				<10	<10				
trans-1,3-Dichloropropene	10061-02-6	ug/L	12/7/2010						<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/13/2011				<5	<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/11/2012				<5	<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/11/2012				<5	<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/30/2013				<5	<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/7/2013				<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	6/2/2014				<5	<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/15/2014				<5	<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/6/2015					<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/5/2015					<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/4/2016					<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/17/2016					<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/17/2017					<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/11/2017					<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/20/2018					<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/16/2018					<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/16/2019					<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/1/2019					<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/30/2020					<50				
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/7/2020					<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/13/2021					<1				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/29/2025					<5.00				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	2/27/2008				<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/12/2008				<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	7/13/2008				<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	9/14/2008				<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	11/17/2008				<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/14/2009				<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/25/2009				<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/10/2010				<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	11/1/2010				<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	12/7/2010						<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/13/2011				<10	<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/11/2012				<10	<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/11/2012				<10	<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/30/2013				<10	<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/7/2013				<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	6/2/2014				<10	<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/15/2014				<10	<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/6/2015					<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/5/2015					<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/4/2016					<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/17/2016					<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/17/2017					<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/11/2017					<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/20/2018					<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/16/2018					<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/16/2019					<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/1/2019					<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/30/2020					<100				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/7/2020					<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/13/2021					<5				
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	4/29/2025					<10.0				

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	2/27/2008	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/12/2008	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	7/13/2008	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	9/14/2008	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	11/17/2008	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/14/2009	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/25/2009	<2					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/10/2010	<4					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	11/1/2010	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	8/11/2011			<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/13/2011	<1		<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	12/5/2011			<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/11/2012	<1		<1	<1		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	6/25/2012			<1	<1		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	8/1/2012			<1	<1		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/11/2012	<1		<1	<1		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	12/13/2012				<1		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/30/2013	<1		<1	<1		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/7/2013				<1		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	6/2/2014	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/15/2014	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/6/2015	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/5/2015	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/4/2016	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/17/2016	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/17/2017	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/11/2017	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/25/2018	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/16/2018	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/16/2019	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/1/2019	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/30/2020	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/7/2020	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/13/2021	<1					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/9/2024		<1.00		<1.00		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/10/2024	<1.00		<1.00		<1.00	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/14/2024						<1.00
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/25/2025		<1.00				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/30/2025			<1.00	<1.00		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/5/2025					<1.00	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/6/2025	<1.00					
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/8/2025						<1.00
1,1,1-Trichloroethane	71-55-6	ug/L	2/27/2008	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	5/12/2008	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	7/13/2008	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	9/14/2008	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	11/17/2008	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	4/14/2009	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	10/25/2009	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	5/10/2010	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	11/1/2010	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	8/11/2011			<1			
1,1,1-Trichloroethane	71-55-6	ug/L	10/13/2011	<1		<1			
1,1,1-Trichloroethane	71-55-6	ug/L	12/5/2011			<1			
1,1,1-Trichloroethane	71-55-6	ug/L	4/11/2012	<1		<1	<1		
1,1,1-Trichloroethane	71-55-6	ug/L	6/25/2012			<1	<1		
1,1,1-Trichloroethane	71-55-6	ug/L	8/1/2012			<1	<1		

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
1,1,1-Trichloroethane	71-55-6	ug/L	10/11/2012	<1		<1	<1		
1,1,1-Trichloroethane	71-55-6	ug/L	12/13/2012				<1		
1,1,1-Trichloroethane	71-55-6	ug/L	3/30/2013	<1		<1	<1		
1,1,1-Trichloroethane	71-55-6	ug/L	10/7/2013				<1		
1,1,1-Trichloroethane	71-55-6	ug/L	6/2/2014	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	10/15/2014	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	4/6/2015	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	10/5/2015	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	4/4/2016	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	10/17/2016	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	4/17/2017	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	10/11/2017	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	4/25/2018	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	10/16/2018	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	4/16/2019	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	10/1/2019	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	3/30/2020	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	10/7/2020	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	4/13/2021	<1					
1,1,1-Trichloroethane	71-55-6	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/9/2024		<1.00		<1.00		
1,1,1-Trichloroethane	71-55-6	ug/L	10/10/2024	<1.00		<1.00		<1.00	
1,1,1-Trichloroethane	71-55-6	ug/L	10/14/2024						<1.00
1,1,1-Trichloroethane	71-55-6	ug/L	4/25/2025		<1.00				
1,1,1-Trichloroethane	71-55-6	ug/L	4/30/2025			<1.00	<1.00		
1,1,1-Trichloroethane	71-55-6	ug/L	5/5/2025					<1.00	
1,1,1-Trichloroethane	71-55-6	ug/L	5/6/2025	<1.00					
1,1,1-Trichloroethane	71-55-6	ug/L	5/8/2025						<1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	2/27/2008	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/12/2008	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	7/13/2008	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	9/14/2008	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	11/17/2008	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/14/2009	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/25/2009	<2					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/10/2010	<4					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	11/1/2010	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	8/11/2011			<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/13/2011	<1		<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	12/5/2011			<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/11/2012	<1		<1	<1		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	6/25/2012			<1	<1		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	8/1/2012			<1	<1		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/11/2012	<1		<1	<1		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	12/13/2012				<1		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/30/2013	<1		<1	<1		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/7/2013				<1		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	6/2/2014	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/15/2014	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/6/2015	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/5/2015	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/4/2016	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/17/2016	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/17/2017	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/11/2017	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/25/2018	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/16/2018	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/16/2019	<1					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/1/2019	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/30/2020	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/7/2020	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/13/2021	<1					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/9/2024		<1.00		<1.00		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/10/2024	<1.00		<1.00		<1.00	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/14/2024						<1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/25/2025		<1.00				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/30/2025			<1.00	<1.00		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/5/2025					<1.00	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/6/2025	<1.00					
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/8/2025						<1.00
1,1,2-Trichloroethane	79-00-5	ug/L	2/27/2008	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	5/12/2008	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	7/13/2008	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	9/14/2008	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	11/17/2008	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	4/14/2009	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	10/25/2009	<2					
1,1,2-Trichloroethane	79-00-5	ug/L	5/10/2010	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	11/1/2010	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	8/11/2011			<1			
1,1,2-Trichloroethane	79-00-5	ug/L	10/13/2011	<1		<1			
1,1,2-Trichloroethane	79-00-5	ug/L	12/5/2011			<1			
1,1,2-Trichloroethane	79-00-5	ug/L	4/11/2012	<1		<1	<1		
1,1,2-Trichloroethane	79-00-5	ug/L	6/25/2012			<1	<1		
1,1,2-Trichloroethane	79-00-5	ug/L	8/1/2012			<1	<1		
1,1,2-Trichloroethane	79-00-5	ug/L	10/11/2012	<1		<1	<1		
1,1,2-Trichloroethane	79-00-5	ug/L	12/13/2012				<1		
1,1,2-Trichloroethane	79-00-5	ug/L	3/30/2013	<1		<1	<1		
1,1,2-Trichloroethane	79-00-5	ug/L	10/7/2013				<1		
1,1,2-Trichloroethane	79-00-5	ug/L	6/2/2014	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	10/15/2014	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	4/6/2015	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	10/5/2015	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	4/4/2016	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	10/17/2016	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	4/17/2017	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	10/11/2017	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	4/25/2018	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	10/16/2018	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	4/16/2019	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	10/1/2019	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	3/30/2020	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	10/7/2020	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	4/13/2021	<1					
1,1,2-Trichloroethane	79-00-5	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/9/2024		<1.00		<1.00		
1,1,2-Trichloroethane	79-00-5	ug/L	10/10/2024	<1.00		<1.00		<1.00	
1,1,2-Trichloroethane	79-00-5	ug/L	10/14/2024						<1.00
1,1,2-Trichloroethane	79-00-5	ug/L	4/25/2025		<1.00				
1,1,2-Trichloroethane	79-00-5	ug/L	4/30/2025			<1.00	<1.00		

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
1,1,2-Trichloroethane	79-00-5	ug/L	5/5/2025					<1.00	
1,1,2-Trichloroethane	79-00-5	ug/L	5/6/2025	<1.00					
1,1,2-Trichloroethane	79-00-5	ug/L	5/8/2025						<1.00
1,1-Dichloroethane	75-34-3	ug/L	2/27/2008	<1	<1				
1,1-Dichloroethane	75-34-3	ug/L	5/12/2008	<1	<1				
1,1-Dichloroethane	75-34-3	ug/L	7/13/2008	<1	<1				
1,1-Dichloroethane	75-34-3	ug/L	9/14/2008	<1	<1				
1,1-Dichloroethane	75-34-3	ug/L	11/17/2008	<1	<1				
1,1-Dichloroethane	75-34-3	ug/L	4/14/2009	<1					
1,1-Dichloroethane	75-34-3	ug/L	10/25/2009	<1					
1,1-Dichloroethane	75-34-3	ug/L	5/10/2010	<1					
1,1-Dichloroethane	75-34-3	ug/L	11/1/2010	<1					
1,1-Dichloroethane	75-34-3	ug/L	8/11/2011			<1			
1,1-Dichloroethane	75-34-3	ug/L	10/13/2011	<1		<1			
1,1-Dichloroethane	75-34-3	ug/L	12/5/2011			<1			
1,1-Dichloroethane	75-34-3	ug/L	4/11/2012	<1		<1	<1		
1,1-Dichloroethane	75-34-3	ug/L	6/25/2012			<1	<1		
1,1-Dichloroethane	75-34-3	ug/L	8/1/2012			<1	<1		
1,1-Dichloroethane	75-34-3	ug/L	10/11/2012	<1		<1	<1		
1,1-Dichloroethane	75-34-3	ug/L	12/13/2012				<1		
1,1-Dichloroethane	75-34-3	ug/L	3/30/2013	<1		<1	<1		
1,1-Dichloroethane	75-34-3	ug/L	10/7/2013				<1		
1,1-Dichloroethane	75-34-3	ug/L	6/2/2014	<1					
1,1-Dichloroethane	75-34-3	ug/L	10/15/2014	<1					
1,1-Dichloroethane	75-34-3	ug/L	4/6/2015	<1					
1,1-Dichloroethane	75-34-3	ug/L	10/5/2015	<1					
1,1-Dichloroethane	75-34-3	ug/L	4/4/2016	<1					
1,1-Dichloroethane	75-34-3	ug/L	10/17/2016	<1					
1,1-Dichloroethane	75-34-3	ug/L	4/17/2017	<1					
1,1-Dichloroethane	75-34-3	ug/L	10/11/2017	<1					
1,1-Dichloroethane	75-34-3	ug/L	4/25/2018	0.234J					
1,1-Dichloroethane	75-34-3	ug/L	10/16/2018	<1					
1,1-Dichloroethane	75-34-3	ug/L	4/16/2019	<1					
1,1-Dichloroethane	75-34-3	ug/L	10/1/2019	<1					
1,1-Dichloroethane	75-34-3	ug/L	3/30/2020	<1					
1,1-Dichloroethane	75-34-3	ug/L	10/7/2020	<1					
1,1-Dichloroethane	75-34-3	ug/L	4/13/2021	<1					
1,1-Dichloroethane	75-34-3	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/9/2024		<1.00		<1.00		
1,1-Dichloroethane	75-34-3	ug/L	10/10/2024	<1.00		<1.00		<1.00	
1,1-Dichloroethane	75-34-3	ug/L	10/14/2024						<1.00
1,1-Dichloroethane	75-34-3	ug/L	4/25/2025		<1.00				
1,1-Dichloroethane	75-34-3	ug/L	4/30/2025			<1.00	<1.00		
1,1-Dichloroethane	75-34-3	ug/L	5/5/2025					<1.00	
1,1-Dichloroethane	75-34-3	ug/L	5/6/2025	<1.00					
1,1-Dichloroethane	75-34-3	ug/L	5/8/2025						<1.00
1,1-Dichloroethene	75-35-4	ug/L	2/27/2008	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	5/12/2008	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	7/13/2008	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	9/14/2008	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	11/17/2008	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	4/14/2009	<2					
1,1-Dichloroethene	75-35-4	ug/L	10/25/2009	<2					
1,1-Dichloroethene	75-35-4	ug/L	5/10/2010	<10					
1,1-Dichloroethene	75-35-4	ug/L	11/1/2010	<2					
1,1-Dichloroethene	75-35-4	ug/L	8/11/2011			<2			
1,1-Dichloroethene	75-35-4	ug/L	10/13/2011	<2		<2			
1,1-Dichloroethene	75-35-4	ug/L	12/5/2011			<2			

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
1,1-Dichloroethene	75-35-4	ug/L	4/11/2012	<2		<2	<2		
1,1-Dichloroethene	75-35-4	ug/L	6/25/2012			<2	<2		
1,1-Dichloroethene	75-35-4	ug/L	8/1/2012			<2	<2		
1,1-Dichloroethene	75-35-4	ug/L	10/11/2012	<2		<2	<2		
1,1-Dichloroethene	75-35-4	ug/L	12/13/2012				<2		
1,1-Dichloroethene	75-35-4	ug/L	3/30/2013	<2		<2	<2		
1,1-Dichloroethene	75-35-4	ug/L	10/7/2013				<2		
1,1-Dichloroethene	75-35-4	ug/L	6/2/2014	<2					
1,1-Dichloroethene	75-35-4	ug/L	10/15/2014	<2					
1,1-Dichloroethene	75-35-4	ug/L	4/6/2015	<2					
1,1-Dichloroethene	75-35-4	ug/L	10/5/2015	<2					
1,1-Dichloroethene	75-35-4	ug/L	4/4/2016	<2					
1,1-Dichloroethene	75-35-4	ug/L	10/17/2016	<2					
1,1-Dichloroethene	75-35-4	ug/L	4/17/2017	<2					
1,1-Dichloroethene	75-35-4	ug/L	10/11/2017	<2					
1,1-Dichloroethene	75-35-4	ug/L	4/25/2018	<2					
1,1-Dichloroethene	75-35-4	ug/L	10/16/2018	<2					
1,1-Dichloroethene	75-35-4	ug/L	4/16/2019	<2					
1,1-Dichloroethene	75-35-4	ug/L	10/1/2019	<2					
1,1-Dichloroethene	75-35-4	ug/L	3/30/2020	<2					
1,1-Dichloroethene	75-35-4	ug/L	10/7/2020	<2					
1,1-Dichloroethene	75-35-4	ug/L	4/13/2021	<1					
1,1-Dichloroethene	75-35-4	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	75-35-4	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	75-35-4	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	75-35-4	ug/L	5/1/2023	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/16/2023	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/29/2024	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/9/2024		<2.00		<2.00		
1,1-Dichloroethene	75-35-4	ug/L	10/10/2024	<2.00		<2.00		<2.00	
1,1-Dichloroethene	75-35-4	ug/L	10/14/2024						<2.00
1,1-Dichloroethene	75-35-4	ug/L	4/25/2025		<2.00				
1,1-Dichloroethene	75-35-4	ug/L	4/30/2025			<2.00	<2.00		
1,1-Dichloroethene	75-35-4	ug/L	5/5/2025					<2.00	
1,1-Dichloroethene	75-35-4	ug/L	5/6/2025	<2.00					
1,1-Dichloroethene	75-35-4	ug/L	5/8/2025						<2.00
1,1-Dichloropropene	563-58-6	ug/L	4/14/2009	<1					
1,1-Dichloropropene	563-58-6	ug/L	5/10/2010	<1					
1,1-Dichloropropene	563-58-6	ug/L	3/30/2013			<1	<1		
1,1-Dichloropropene	563-58-6	ug/L	10/5/2015	<1					
1,1-Dichloropropene	563-58-6	ug/L	3/30/2020	<1					
1,1-Dichloropropene	563-58-6	ug/L	4/25/2025		<1.00				
1,1-Dichloropropene	563-58-6	ug/L	5/6/2025	<1.00					
1,2,3-Trichloropropane	96-18-4	ug/L	2/27/2008	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	5/12/2008	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	7/13/2008	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	9/14/2008	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	11/17/2008	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	4/14/2009	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	10/25/2009	<2					
1,2,3-Trichloropropane	96-18-4	ug/L	5/10/2010	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	11/1/2010	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	8/11/2011			<1			
1,2,3-Trichloropropane	96-18-4	ug/L	10/13/2011	<1		<4			
1,2,3-Trichloropropane	96-18-4	ug/L	12/5/2011			<1			
1,2,3-Trichloropropane	96-18-4	ug/L	4/11/2012	<1		<1	<1		
1,2,3-Trichloropropane	96-18-4	ug/L	6/25/2012			<1	<1		
1,2,3-Trichloropropane	96-18-4	ug/L	8/1/2012			<1	<1		
1,2,3-Trichloropropane	96-18-4	ug/L	10/11/2012	<1		<1	<1		
1,2,3-Trichloropropane	96-18-4	ug/L	12/13/2012				<1		
1,2,3-Trichloropropane	96-18-4	ug/L	3/30/2013	<1		<1	<1		
1,2,3-Trichloropropane	96-18-4	ug/L	10/7/2013				<1		
1,2,3-Trichloropropane	96-18-4	ug/L	6/2/2014	<1					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
1,2,3-Trichloropropane	96-18-4	ug/L	10/15/2014	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	4/6/2015	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	10/5/2015	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	4/4/2016	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	10/17/2016	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	4/17/2017	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	10/11/2017	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	4/25/2018	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	10/16/2018	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	4/16/2019	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	10/1/2019	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	3/30/2020	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	10/7/2020	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	4/13/2021	<1					
1,2,3-Trichloropropane	96-18-4	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/9/2024		<1.00		<1.00		
1,2,3-Trichloropropane	96-18-4	ug/L	10/10/2024	<1.00		<1.00		<1.00	
1,2,3-Trichloropropane	96-18-4	ug/L	10/14/2024						<1.00
1,2,3-Trichloropropane	96-18-4	ug/L	4/25/2025		<1.00				
1,2,3-Trichloropropane	96-18-4	ug/L	4/30/2025			<1.00	<1.00		
1,2,3-Trichloropropane	96-18-4	ug/L	5/5/2025					<1.00	
1,2,3-Trichloropropane	96-18-4	ug/L	5/6/2025	<1.00					
1,2,3-Trichloropropane	96-18-4	ug/L	5/8/2025						<1.00
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/14/2009	<10					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/10/2010	<10					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	3/30/2013			<10	<10		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	10/5/2015	<10					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	3/30/2020	<10.4					
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/25/2025		<10.6				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/6/2025	<10.4					
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/14/2009	<5					
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/10/2010	<5					
1,2,4-Trichlorobenzene	120-82-1	ug/L	3/30/2013			<5	<5		
1,2,4-Trichlorobenzene	120-82-1	ug/L	10/5/2015	<5					
1,2,4-Trichlorobenzene	120-82-1	ug/L	3/30/2020	<5					
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/25/2025		<5.00				
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/6/2025	<5.00					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	2/27/2008	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/12/2008	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	7/13/2008	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	9/14/2008	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	11/17/2008	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/14/2009	<10					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/25/2009	<10					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/10/2010	<10					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	11/1/2010	<10					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	8/11/2011			<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/13/2011	<10		<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	12/5/2011			<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/11/2012	<10		<10	<10		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	6/25/2012			<10	<10		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	8/1/2012			<10	<10		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/11/2012	<10		<10	<10		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	12/13/2012				<10		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/30/2013	<10		<10	<10		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/7/2013				<10		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	6/2/2014	<0.12					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/15/2014	<0.12					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/6/2015	<0.5					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/5/2015	<0.5					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/4/2016	<0.5					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/17/2016	<0.5					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/17/2017	<0.5					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/11/2017	<0.5					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/25/2018	<0.5					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/16/2018	<1.2					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/16/2019	<1.2					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/1/2019	<1.2					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/30/2020	<1.2					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/7/2020	<1.2					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/13/2021	<0.02					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/20/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/2/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/14/2022	<0.02	<5; <0.02	<0.02; <5	<5; <0.02	<0.02	<0.02
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/1/2023	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/16/2023	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/29/2024	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/9/2024		<1.20		<1.20		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/10/2024	<1.20		<1.20		<1.20	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/14/2024						<1.20
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/25/2025		<1.20				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/30/2025			<1.20	<1.20		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/5/2025					<1.20	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/6/2025	<1.20					
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/8/2025						<1.20
1,2-Dibromoethane (EDB)	106-93-4	ug/L	2/27/2008	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/12/2008	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	7/13/2008	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	9/14/2008	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	11/17/2008	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/14/2009	<10					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/25/2009	<10					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/10/2010	<10					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	11/1/2010	<10					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	8/11/2011			<10			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/13/2011	<10		<10			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	12/5/2011			<10			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/11/2012	<10		<10	<10		
1,2-Dibromoethane (EDB)	106-93-4	ug/L	6/25/2012			<10	<10		
1,2-Dibromoethane (EDB)	106-93-4	ug/L	8/1/2012			<10	<10		
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/11/2012	<10		<10	<10		
1,2-Dibromoethane (EDB)	106-93-4	ug/L	12/13/2012				<10		
1,2-Dibromoethane (EDB)	106-93-4	ug/L	3/30/2013	<10		<10	<10		
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/7/2013				<10		
1,2-Dibromoethane (EDB)	106-93-4	ug/L	6/2/2014	<0.13					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/15/2014	<0.13					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/6/2015	<0.13					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/5/2015	<0.13					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/4/2016	<0.13					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/17/2016	<0.13					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/17/2017	<0.13					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/11/2017	<0.13					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/25/2018	<0.13					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/16/2018	<0.34					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/16/2019	<0.34					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/1/2019	<0.34					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	3/30/2020	<0.34					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/7/2020	<0.34					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/13/2021	<0.02					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/20/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/2/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/14/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/1/2023	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/16/2023	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/29/2024	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/9/2024		<0.340		<0.340		
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/10/2024	<0.340		<0.340		<0.340	
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/14/2024						<0.340
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/25/2025		<0.340				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/30/2025			<0.340	<0.340		
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/5/2025					<0.340	
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/6/2025	<0.340					
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/8/2025						<0.340
1,2-Dichlorobenzene	95-50-1	ug/L	2/27/2008	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	5/12/2008	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	7/13/2008	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	9/14/2008	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	11/17/2008	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	4/14/2009	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	10/25/2009	<2					
1,2-Dichlorobenzene	95-50-1	ug/L	5/10/2010	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	11/1/2010	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	8/11/2011			<1			
1,2-Dichlorobenzene	95-50-1	ug/L	10/13/2011	<1		<1			
1,2-Dichlorobenzene	95-50-1	ug/L	12/5/2011			<1			
1,2-Dichlorobenzene	95-50-1	ug/L	4/11/2012	<1		<1	<1		
1,2-Dichlorobenzene	95-50-1	ug/L	6/25/2012			<1	<1		
1,2-Dichlorobenzene	95-50-1	ug/L	8/1/2012			<1	<1		
1,2-Dichlorobenzene	95-50-1	ug/L	10/11/2012	<1		<1	<1		
1,2-Dichlorobenzene	95-50-1	ug/L	12/13/2012				<1		
1,2-Dichlorobenzene	95-50-1	ug/L	3/30/2013	<1		<1	<1		
1,2-Dichlorobenzene	95-50-1	ug/L	10/7/2013				<1		
1,2-Dichlorobenzene	95-50-1	ug/L	6/2/2014	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	10/15/2014	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	4/6/2015	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	10/5/2015	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	4/4/2016	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	10/17/2016	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	4/17/2017	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	10/11/2017	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	4/25/2018	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	10/16/2018	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	4/16/2019	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	10/1/2019	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	3/30/2020	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	10/7/2020	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	4/13/2021	<1					
1,2-Dichlorobenzene	95-50-1	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/9/2024		<1.00		<1.00		
1,2-Dichlorobenzene	95-50-1	ug/L	10/10/2024	<1.00		<1.00		<1.00	
1,2-Dichlorobenzene	95-50-1	ug/L	10/14/2024						<1.00
1,2-Dichlorobenzene	95-50-1	ug/L	4/25/2025		<1.00				
1,2-Dichlorobenzene	95-50-1	ug/L	4/30/2025			<1.00	<1.00		
1,2-Dichlorobenzene	95-50-1	ug/L	5/5/2025					<1.00	
1,2-Dichlorobenzene	95-50-1	ug/L	5/6/2025	<1.00					
1,2-Dichlorobenzene	95-50-1	ug/L	5/8/2025						<1.00
1,2-Dichloroethane	107-06-2	ug/L	2/27/2008	<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	5/12/2008	<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	7/13/2008	<1	<1				

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
1,2-Dichloroethane	107-06-2	ug/L	9/14/2008	<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	11/17/2008	<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	4/14/2009	<1					
1,2-Dichloroethane	107-06-2	ug/L	10/25/2009	<2					
1,2-Dichloroethane	107-06-2	ug/L	5/10/2010	<1					
1,2-Dichloroethane	107-06-2	ug/L	11/1/2010	<1					
1,2-Dichloroethane	107-06-2	ug/L	8/11/2011			<1			
1,2-Dichloroethane	107-06-2	ug/L	10/13/2011	<1		<1			
1,2-Dichloroethane	107-06-2	ug/L	12/5/2011			<1			
1,2-Dichloroethane	107-06-2	ug/L	4/11/2012	<1		<1	<1		
1,2-Dichloroethane	107-06-2	ug/L	6/25/2012			<1	<1		
1,2-Dichloroethane	107-06-2	ug/L	8/1/2012			<1	<1		
1,2-Dichloroethane	107-06-2	ug/L	10/11/2012	<1		<1	<1		
1,2-Dichloroethane	107-06-2	ug/L	12/13/2012				<1		
1,2-Dichloroethane	107-06-2	ug/L	3/30/2013	<1		<1	<1		
1,2-Dichloroethane	107-06-2	ug/L	10/7/2013				<1		
1,2-Dichloroethane	107-06-2	ug/L	6/2/2014	<1					
1,2-Dichloroethane	107-06-2	ug/L	10/15/2014	<1					
1,2-Dichloroethane	107-06-2	ug/L	4/6/2015	<1					
1,2-Dichloroethane	107-06-2	ug/L	10/5/2015	<1					
1,2-Dichloroethane	107-06-2	ug/L	4/4/2016	<1					
1,2-Dichloroethane	107-06-2	ug/L	10/17/2016	<1					
1,2-Dichloroethane	107-06-2	ug/L	4/17/2017	<1; 0.196J					
1,2-Dichloroethane	107-06-2	ug/L	10/11/2017	<1					
1,2-Dichloroethane	107-06-2	ug/L	4/25/2018	<1					
1,2-Dichloroethane	107-06-2	ug/L	10/16/2018	<1					
1,2-Dichloroethane	107-06-2	ug/L	4/16/2019	<1					
1,2-Dichloroethane	107-06-2	ug/L	10/1/2019	<1					
1,2-Dichloroethane	107-06-2	ug/L	3/30/2020	<1					
1,2-Dichloroethane	107-06-2	ug/L	10/7/2020	<1					
1,2-Dichloroethane	107-06-2	ug/L	4/13/2021	<1					
1,2-Dichloroethane	107-06-2	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/9/2024		<1.00		<1.00		
1,2-Dichloroethane	107-06-2	ug/L	10/10/2024	<1.00		<1.00		<1.00	
1,2-Dichloroethane	107-06-2	ug/L	10/14/2024						<1.00
1,2-Dichloroethane	107-06-2	ug/L	4/25/2025		<1.00				
1,2-Dichloroethane	107-06-2	ug/L	4/30/2025			<1.00	<1.00		
1,2-Dichloroethane	107-06-2	ug/L	5/5/2025					<1.00	
1,2-Dichloroethane	107-06-2	ug/L	5/6/2025	<1.00					
1,2-Dichloroethane	107-06-2	ug/L	5/8/2025						<1.00
1,2-Dichloropropane	78-87-5	ug/L	2/27/2008	<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	5/12/2008	<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	7/13/2008	<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	9/14/2008	<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	11/17/2008	<1	<1				
1,2-Dichloropropane	78-87-5	ug/L	4/14/2009	<1					
1,2-Dichloropropane	78-87-5	ug/L	10/25/2009	<1					
1,2-Dichloropropane	78-87-5	ug/L	5/10/2010	<1					
1,2-Dichloropropane	78-87-5	ug/L	11/1/2010	<1					
1,2-Dichloropropane	78-87-5	ug/L	8/11/2011			<1			
1,2-Dichloropropane	78-87-5	ug/L	10/13/2011	<1		<1			
1,2-Dichloropropane	78-87-5	ug/L	12/5/2011			<1			
1,2-Dichloropropane	78-87-5	ug/L	4/11/2012	<1		<1	<1		
1,2-Dichloropropane	78-87-5	ug/L	6/25/2012			<1	<1		
1,2-Dichloropropane	78-87-5	ug/L	8/1/2012			<1	<1		
1,2-Dichloropropane	78-87-5	ug/L	10/11/2012	<1		<1	<1		
1,2-Dichloropropane	78-87-5	ug/L	12/13/2012				<1		
1,2-Dichloropropane	78-87-5	ug/L	3/30/2013	<1		<1	<1		

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
1,2-Dichloropropane	78-87-5	ug/L	10/7/2013				<1		
1,2-Dichloropropane	78-87-5	ug/L	6/2/2014	<1					
1,2-Dichloropropane	78-87-5	ug/L	10/15/2014	<1					
1,2-Dichloropropane	78-87-5	ug/L	4/6/2015	<1					
1,2-Dichloropropane	78-87-5	ug/L	10/5/2015	<1					
1,2-Dichloropropane	78-87-5	ug/L	4/4/2016	<1					
1,2-Dichloropropane	78-87-5	ug/L	10/17/2016	<1					
1,2-Dichloropropane	78-87-5	ug/L	4/17/2017	<1					
1,2-Dichloropropane	78-87-5	ug/L	10/11/2017	<1					
1,2-Dichloropropane	78-87-5	ug/L	4/25/2018	<1					
1,2-Dichloropropane	78-87-5	ug/L	10/16/2018	<1					
1,2-Dichloropropane	78-87-5	ug/L	4/16/2019	<1					
1,2-Dichloropropane	78-87-5	ug/L	10/1/2019	<1					
1,2-Dichloropropane	78-87-5	ug/L	3/30/2020	<1					
1,2-Dichloropropane	78-87-5	ug/L	10/7/2020	<1					
1,2-Dichloropropane	78-87-5	ug/L	4/13/2021	<1					
1,2-Dichloropropane	78-87-5	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/9/2024		<1.00		<1.00		
1,2-Dichloropropane	78-87-5	ug/L	10/10/2024	<1.00		<1.00		<1.00	
1,2-Dichloropropane	78-87-5	ug/L	10/14/2024						<1.00
1,2-Dichloropropane	78-87-5	ug/L	4/25/2025		<1.00				
1,2-Dichloropropane	78-87-5	ug/L	4/30/2025			<1.00	<1.00		
1,2-Dichloropropane	78-87-5	ug/L	5/5/2025					<1.00	
1,2-Dichloropropane	78-87-5	ug/L	5/6/2025	<1.00					
1,2-Dichloropropane	78-87-5	ug/L	5/8/2025						<1.00
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/14/2009	<10					
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/10/2010	<10					
1,3,5-Trinitrobenzene	99-35-4	ug/L	3/30/2013			<10	<10		
1,3,5-Trinitrobenzene	99-35-4	ug/L	10/5/2015	<10					
1,3,5-Trinitrobenzene	99-35-4	ug/L	3/30/2020	<10.4					
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/25/2025		<10.6				
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/6/2025	<10.4					
1,3-Dichlorobenzene	541-73-1	ug/L	4/14/2009	<1					
1,3-Dichlorobenzene	541-73-1	ug/L	5/10/2010	<1					
1,3-Dichlorobenzene	541-73-1	ug/L	3/30/2013			<1	<1		
1,3-Dichlorobenzene	541-73-1	ug/L	10/5/2015	<1					
1,3-Dichlorobenzene	541-73-1	ug/L	3/30/2020	<1					
1,3-Dichlorobenzene	541-73-1	ug/L	4/25/2025		<1.00				
1,3-Dichlorobenzene	541-73-1	ug/L	5/6/2025	<1.00					
1,3-Dichloropropane	142-28-9	ug/L	4/14/2009	<1					
1,3-Dichloropropane	142-28-9	ug/L	5/10/2010	<1					
1,3-Dichloropropane	142-28-9	ug/L	3/30/2013			<1	<1		
1,3-Dichloropropane	142-28-9	ug/L	10/5/2015	<1					
1,3-Dichloropropane	142-28-9	ug/L	3/30/2020	<1					
1,3-Dichloropropane	142-28-9	ug/L	4/25/2025		<1.00				
1,3-Dichloropropane	142-28-9	ug/L	5/6/2025	<1.00					
1,3-Dinitrobenzene	99-65-0	ug/L	4/14/2009	<10					
1,3-Dinitrobenzene	99-65-0	ug/L	5/10/2010	<10					
1,3-Dinitrobenzene	99-65-0	ug/L	3/30/2013			<10	<10		
1,3-Dinitrobenzene	99-65-0	ug/L	10/5/2015	<10					
1,3-Dinitrobenzene	99-65-0	ug/L	3/30/2020	<10.4					
1,3-Dinitrobenzene	99-65-0	ug/L	4/25/2025		<10.6				
1,3-Dinitrobenzene	99-65-0	ug/L	5/6/2025	<10.4					
1,4-Dichlorobenzene	106-46-7	ug/L	2/27/2008	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	5/12/2008	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	7/13/2008	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	9/14/2008	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	11/17/2008	<1	<1				

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
1,4-Dichlorobenzene	106-46-7	ug/L	4/14/2009	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	10/25/2009	<2					
1,4-Dichlorobenzene	106-46-7	ug/L	5/10/2010	<2					
1,4-Dichlorobenzene	106-46-7	ug/L	11/1/2010	<2					
1,4-Dichlorobenzene	106-46-7	ug/L	8/11/2011			<1			
1,4-Dichlorobenzene	106-46-7	ug/L	10/13/2011	<1		<1			
1,4-Dichlorobenzene	106-46-7	ug/L	12/5/2011			<1			
1,4-Dichlorobenzene	106-46-7	ug/L	4/11/2012	<1		<1	<1		
1,4-Dichlorobenzene	106-46-7	ug/L	6/25/2012			<1	<1		
1,4-Dichlorobenzene	106-46-7	ug/L	8/1/2012			<1	<1		
1,4-Dichlorobenzene	106-46-7	ug/L	10/11/2012	<1		<1	<1		
1,4-Dichlorobenzene	106-46-7	ug/L	12/13/2012				<1		
1,4-Dichlorobenzene	106-46-7	ug/L	3/30/2013	<1		<1	<1		
1,4-Dichlorobenzene	106-46-7	ug/L	10/7/2013				<1		
1,4-Dichlorobenzene	106-46-7	ug/L	6/2/2014	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	10/15/2014	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	4/6/2015	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	10/5/2015	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	4/4/2016	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	10/17/2016	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	4/17/2017	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	10/11/2017	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	4/25/2018	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	10/16/2018	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	4/16/2019	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	10/1/2019	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	3/30/2020	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	10/7/2020	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	4/13/2021	<1					
1,4-Dichlorobenzene	106-46-7	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/9/2024		<1.00		<1.00		
1,4-Dichlorobenzene	106-46-7	ug/L	10/10/2024	<1.00		<1.00		<1.00	
1,4-Dichlorobenzene	106-46-7	ug/L	10/14/2024						<1.00
1,4-Dichlorobenzene	106-46-7	ug/L	4/25/2025		<1.00				
1,4-Dichlorobenzene	106-46-7	ug/L	4/30/2025			<1.00	<1.00		
1,4-Dichlorobenzene	106-46-7	ug/L	5/5/2025					<1.00	
1,4-Dichlorobenzene	106-46-7	ug/L	5/6/2025	<1.00					
1,4-Dichlorobenzene	106-46-7	ug/L	5/8/2025						<1.00
1,4-Naphthoquinone	130-15-4	ug/L	4/14/2009	<10					
1,4-Naphthoquinone	130-15-4	ug/L	5/10/2010	<10					
1,4-Naphthoquinone	130-15-4	ug/L	3/30/2013			<10	<10		
1,4-Naphthoquinone	130-15-4	ug/L	10/5/2015	<10					
1,4-Naphthoquinone	130-15-4	ug/L	3/30/2020	<10.4					
1,4-Naphthoquinone	130-15-4	ug/L	4/25/2025		<10.6				
1,4-Naphthoquinone	130-15-4	ug/L	5/6/2025	<10.4					
1,4-Phenylenediamine	106-50-3	ug/L	4/14/2009	<10					
1,4-Phenylenediamine	106-50-3	ug/L	5/10/2010	<10					
1,4-Phenylenediamine	106-50-3	ug/L	3/30/2013			<10	<10		
1,4-Phenylenediamine	106-50-3	ug/L	10/5/2015	<10					
1,4-Phenylenediamine	106-50-3	ug/L	3/30/2020	<10.4					
1,4-phenylenediamine	106-50-3	ug/L	4/25/2025		<10.6				
1,4-phenylenediamine	106-50-3	ug/L	5/6/2025	<10.4					
1-Naphthylamine	134-32-7	ug/L	4/14/2009	<10					
1-Naphthylamine	134-32-7	ug/L	5/10/2010	<10					
1-Naphthylamine	134-32-7	ug/L	3/30/2013			<10	<10		
1-Naphthylamine	134-32-7	ug/L	10/5/2015	<10					
1-Naphthylamine	134-32-7	ug/L	3/30/2020	<10.4					
1-Naphthylamine	134-32-7	ug/L	4/25/2025		<10.6				

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
1-Naphthylamine	134-32-7	ug/L	5/6/2025	<10.4					
2,2-Dichloropropane	594-20-7	ug/L	4/14/2009	<4					
2,2-Dichloropropane	594-20-7	ug/L	5/10/2010	<4					
2,2-Dichloropropane	594-20-7	ug/L	3/30/2013			<4	<4		
2,2-Dichloropropane	594-20-7	ug/L	10/5/2015	<4					
2,2-Dichloropropane	594-20-7	ug/L	3/30/2020	<4					
2,2-Dichloropropane	594-20-7	ug/L	4/25/2025		<4.00				
2,2-Dichloropropane	594-20-7	ug/L	5/6/2025	<4.00					
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/14/2009	<10					
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/10/2010	<10					
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	3/30/2013			<10	<10		
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	10/5/2015	<10					
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	3/30/2020	<10.4					
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/25/2025		<10.6				
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/6/2025	<10.4					
2,4,5-T	93-76-5	ug/L	4/25/2025		<0.159				
2,4,5-T	93-76-5	ug/L	5/6/2025	<0.161					
2,4,5-T [2C]	93-76-5	ug/L	4/14/2009	<0.2					
2,4,5-T [2C]	93-76-5	ug/L	5/10/2010	<0.51					
2,4,5-T [2C]	93-76-5	ug/L	3/30/2013			<1	<1		
2,4,5-T [2C]	93-76-5	ug/L	10/5/2015	<1.01					
2,4,5-T [2C]	93-76-5	ug/L	3/30/2020	<1.04					
2,4,5-TP [Silvex]	93-72-1	ug/L	4/14/2009	<0.2					
2,4,5-TP [Silvex]	93-72-1	ug/L	5/10/2010	<0.51					
2,4,5-TP [Silvex]	93-72-1	ug/L	3/30/2013			<1	<1		
2,4,5-TP [Silvex]	93-72-1	ug/L	10/5/2015	<1.01					
2,4,5-TP [Silvex]	93-72-1	ug/L	3/30/2020	<1.04					
2,4,5-Trichlorophenol	95-95-4	ug/L	4/14/2009	<10					
2,4,5-Trichlorophenol	95-95-4	ug/L	5/10/2010	<10					
2,4,5-Trichlorophenol	95-95-4	ug/L	3/30/2013			<10	<10		
2,4,5-Trichlorophenol	95-95-4	ug/L	10/5/2015	<10					
2,4,5-Trichlorophenol	95-95-4	ug/L	3/30/2020	<10.4					
2,4,5-Trichlorophenol	95-95-4	ug/L	4/25/2025		<10.6				
2,4,5-Trichlorophenol	95-95-4	ug/L	5/6/2025	<10.4					
2,4,6-Trichlorophenol	88-06-2	ug/L	4/14/2009	<10					
2,4,6-Trichlorophenol	88-06-2	ug/L	5/10/2010	<10					
2,4,6-Trichlorophenol	88-06-2	ug/L	3/30/2013			<10	<10		
2,4,6-Trichlorophenol	88-06-2	ug/L	10/5/2015	<10					
2,4,6-Trichlorophenol	88-06-2	ug/L	3/30/2020	<10.4					
2,4,6-Trichlorophenol	88-06-2	ug/L	4/25/2025		<10.6				
2,4,6-Trichlorophenol	88-06-2	ug/L	5/6/2025	<10.4					
2,4-D	94-75-7	ug/L	4/25/2025		<0.635				
2,4-D	94-75-7	ug/L	5/6/2025	<0.645					
2,4-D [2C]	94-75-7	ug/L	4/14/2009	<1					
2,4-D [2C]	94-75-7	ug/L	5/10/2010	<1					
2,4-D [2C]	94-75-7	ug/L	3/30/2013			<1	<1		
2,4-D [2C]	94-75-7	ug/L	10/5/2015	<1.01					
2,4-D [2C]	94-75-7	ug/L	3/30/2020	<1.04					
2,4-Dichlorophenol	120-83-2	ug/L	4/14/2009	<10					
2,4-Dichlorophenol	120-83-2	ug/L	5/10/2010	<10					
2,4-Dichlorophenol	120-83-2	ug/L	3/30/2013			<10	<10		
2,4-Dichlorophenol	120-83-2	ug/L	10/5/2015	<10					
2,4-Dichlorophenol	120-83-2	ug/L	3/30/2020	<10.4					
2,4-Dichlorophenol	120-83-2	ug/L	4/25/2025		<10.6				
2,4-Dichlorophenol	120-83-2	ug/L	5/6/2025	<10.4					
2,4-Dimethylphenol	105-67-9	ug/L	4/14/2009	<10					
2,4-Dimethylphenol	105-67-9	ug/L	5/10/2010	<10					
2,4-Dimethylphenol	105-67-9	ug/L	3/30/2013			<10	<10		
2,4-Dimethylphenol	105-67-9	ug/L	10/5/2015	<10					
2,4-Dimethylphenol	105-67-9	ug/L	3/30/2020	<10.4					
2,4-Dimethylphenol	105-67-9	ug/L	4/25/2025		<10.6				
2,4-Dimethylphenol	105-67-9	ug/L	5/6/2025	<10.4					
2,4-Dinitrophenol	51-28-5	ug/L	4/14/2009	<20					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
2,4-Dinitrophenol	51-28-5	ug/L	5/10/2010	<20					
2,4-Dinitrophenol	51-28-5	ug/L	3/30/2013			<20	<20		
2,4-Dinitrophenol	51-28-5	ug/L	10/5/2015	<20					
2,4-Dinitrophenol	51-28-5	ug/L	3/30/2020	<20.8					
2,4-Dinitrophenol	51-28-5	ug/L	4/25/2025		<21.3				
2,4-Dinitrophenol	51-28-5	ug/L	5/6/2025	<20.8					
2,4-Dinitrotoluene	121-14-2	ug/L	4/14/2009	<10					
2,4-Dinitrotoluene	121-14-2	ug/L	5/10/2010	<10					
2,4-Dinitrotoluene	121-14-2	ug/L	3/30/2013			<10	<10		
2,4-Dinitrotoluene	121-14-2	ug/L	10/5/2015	<10					
2,4-Dinitrotoluene	121-14-2	ug/L	3/30/2020	<10.4					
2,4-Dinitrotoluene	121-14-2	ug/L	4/25/2025		<10.6				
2,4-Dinitrotoluene	121-14-2	ug/L	5/6/2025	<10.4					
2,6-Dichlorophenol	87-65-0	ug/L	4/14/2009	<10					
2,6-Dichlorophenol	87-65-0	ug/L	5/10/2010	<10					
2,6-Dichlorophenol	87-65-0	ug/L	3/30/2013			<10	<10		
2,6-Dichlorophenol	87-65-0	ug/L	10/5/2015	<10					
2,6-Dichlorophenol	87-65-0	ug/L	3/30/2020	<10.4					
2,6-Dichlorophenol	87-65-0	ug/L	4/25/2025		<10.6				
2,6-Dichlorophenol	87-65-0	ug/L	5/6/2025	<10.4					
2,6-Dinitrotoluene	606-20-2	ug/L	4/14/2009	<10					
2,6-Dinitrotoluene	606-20-2	ug/L	5/10/2010	<10					
2,6-Dinitrotoluene	606-20-2	ug/L	3/30/2013			<10	<10		
2,6-Dinitrotoluene	606-20-2	ug/L	10/5/2015	<10					
2,6-Dinitrotoluene	606-20-2	ug/L	3/30/2020	<10.4					
2,6-Dinitrotoluene	606-20-2	ug/L	4/25/2025		<10.6				
2,6-Dinitrotoluene	606-20-2	ug/L	5/6/2025	<10.4					
2-Acetylaminofluorene	53-96-3	ug/L	4/14/2009	<10					
2-Acetylaminofluorene	53-96-3	ug/L	5/10/2010	<10					
2-Acetylaminofluorene	53-96-3	ug/L	3/30/2013			<10	<10		
2-Acetylaminofluorene	53-96-3	ug/L	10/5/2015	<10					
2-Acetylaminofluorene	53-96-3	ug/L	3/30/2020	<10.4					
2-Acetylaminofluorene	53-96-3	ug/L	4/25/2025		<10.6				
2-Acetylaminofluorene	53-96-3	ug/L	5/6/2025	<10.4					
2-Butanone (MEK)	78-93-3	ug/L	2/27/2008	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	5/12/2008	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	7/13/2008	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	9/14/2008	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	11/17/2008	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	4/14/2009	<10					
2-Butanone (MEK)	78-93-3	ug/L	10/25/2009	<10					
2-Butanone (MEK)	78-93-3	ug/L	5/10/2010	<10					
2-Butanone (MEK)	78-93-3	ug/L	11/1/2010	<10					
2-Butanone (MEK)	78-93-3	ug/L	8/11/2011			<10			
2-Butanone (MEK)	78-93-3	ug/L	10/13/2011	<10		<10			
2-Butanone (MEK)	78-93-3	ug/L	12/5/2011			<10			
2-Butanone (MEK)	78-93-3	ug/L	4/11/2012	<10		<10	<10		
2-Butanone (MEK)	78-93-3	ug/L	6/25/2012			<10	<10		
2-Butanone (MEK)	78-93-3	ug/L	8/1/2012			<10	<10		
2-Butanone (MEK)	78-93-3	ug/L	10/11/2012	<10		<10	<10		
2-Butanone (MEK)	78-93-3	ug/L	12/13/2012				<10		
2-Butanone (MEK)	78-93-3	ug/L	3/30/2013	<10		<10	<10		
2-Butanone (MEK)	78-93-3	ug/L	10/7/2013				<10		
2-Butanone (MEK)	78-93-3	ug/L	6/2/2014	<10					
2-Butanone (MEK)	78-93-3	ug/L	10/15/2014	<10					
2-Butanone (MEK)	78-93-3	ug/L	4/6/2015	<10					
2-Butanone (MEK)	78-93-3	ug/L	10/5/2015	<10					
2-Butanone (MEK)	78-93-3	ug/L	4/4/2016	<10					
2-Butanone (MEK)	78-93-3	ug/L	10/17/2016	<10					
2-Butanone (MEK)	78-93-3	ug/L	4/17/2017	<10					
2-Butanone (MEK)	78-93-3	ug/L	10/11/2017	<10					
2-Butanone (MEK)	78-93-3	ug/L	4/25/2018	<10					
2-Butanone (MEK)	78-93-3	ug/L	10/16/2018	<10					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
2-Butanone (MEK)	78-93-3	ug/L	4/16/2019	<10					
2-Butanone (MEK)	78-93-3	ug/L	10/1/2019	<10					
2-Butanone (MEK)	78-93-3	ug/L	3/30/2020	<10					
2-Butanone (MEK)	78-93-3	ug/L	10/7/2020	<10					
2-Butanone (MEK)	78-93-3	ug/L	4/13/2021	<5					
2-Butanone (MEK)	78-93-3	ug/L	10/20/2021	<5	<5	<5	<5	<5	<5
2-Butanone (MEK)	78-93-3	ug/L	5/2/2022	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/14/2022	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/16/2023	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/29/2024	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/9/2024		<10.0		<10.0		
2-Butanone (MEK)	78-93-3	ug/L	10/10/2024	<10.0		<10.0		<10.0	
2-Butanone (MEK)	78-93-3	ug/L	10/14/2024						<10.0
2-Butanone (MEK)	78-93-3	ug/L	4/25/2025		<10.0				
2-Butanone (MEK)	78-93-3	ug/L	4/30/2025			<10.0	<10.0		
2-Butanone (MEK)	78-93-3	ug/L	5/5/2025					<10.0	
2-Butanone (MEK)	78-93-3	ug/L	5/6/2025	<10.0					
2-Butanone (MEK)	78-93-3	ug/L	5/8/2025						<10.0
2-Chloronaphthalene	91-58-7	ug/L	4/14/2009	<10					
2-Chloronaphthalene	91-58-7	ug/L	5/10/2010	<10					
2-Chloronaphthalene	91-58-7	ug/L	3/30/2013			<10	<10		
2-Chloronaphthalene	91-58-7	ug/L	10/5/2015	<10					
2-Chloronaphthalene	91-58-7	ug/L	3/30/2020	<10.4					
2-Chloronaphthalene	91-58-7	ug/L	4/25/2025		<10.6				
2-Chloronaphthalene	91-58-7	ug/L	5/6/2025	<10.4					
2-Chlorophenol	95-57-8	ug/L	4/14/2009	<10					
2-Chlorophenol	95-57-8	ug/L	5/10/2010	<10					
2-Chlorophenol	95-57-8	ug/L	3/30/2013			<10	<10		
2-Chlorophenol	95-57-8	ug/L	10/5/2015	<10					
2-Chlorophenol	95-57-8	ug/L	3/30/2020	<10.4					
2-Chlorophenol	95-57-8	ug/L	4/25/2025		<10.6				
2-Chlorophenol	95-57-8	ug/L	5/6/2025	<10.4					
2-Hexanone	591-78-6	ug/L	2/27/2008	<10	<10				
2-Hexanone	591-78-6	ug/L	5/12/2008	<10	<10				
2-Hexanone	591-78-6	ug/L	7/13/2008	<10	<10				
2-Hexanone	591-78-6	ug/L	9/14/2008	<10	<10				
2-Hexanone	591-78-6	ug/L	11/17/2008	<10	<10				
2-Hexanone	591-78-6	ug/L	4/14/2009	<10					
2-Hexanone	591-78-6	ug/L	10/25/2009	<10					
2-Hexanone	591-78-6	ug/L	5/10/2010	<10					
2-Hexanone	591-78-6	ug/L	11/1/2010	<10					
2-Hexanone	591-78-6	ug/L	8/11/2011			<10			
2-Hexanone	591-78-6	ug/L	10/13/2011	<10		<10			
2-Hexanone	591-78-6	ug/L	12/5/2011			<10			
2-Hexanone	591-78-6	ug/L	4/11/2012	<10		<10	<10		
2-Hexanone	591-78-6	ug/L	6/25/2012			<10	<10		
2-Hexanone	591-78-6	ug/L	8/1/2012			<10	<10		
2-Hexanone	591-78-6	ug/L	10/11/2012	<10		<10	<10		
2-Hexanone	591-78-6	ug/L	12/13/2012				<10		
2-Hexanone	591-78-6	ug/L	3/30/2013	<10		<10	<10		
2-Hexanone	591-78-6	ug/L	10/7/2013				<10		
2-Hexanone	591-78-6	ug/L	6/2/2014	<10					
2-Hexanone	591-78-6	ug/L	10/15/2014	<10					
2-Hexanone	591-78-6	ug/L	4/6/2015	<10					
2-Hexanone	591-78-6	ug/L	10/5/2015	<10					
2-Hexanone	591-78-6	ug/L	4/4/2016	<10					
2-Hexanone	591-78-6	ug/L	10/17/2016	<10					
2-Hexanone	591-78-6	ug/L	4/17/2017	<10					
2-Hexanone	591-78-6	ug/L	10/11/2017	<10					
2-Hexanone	591-78-6	ug/L	4/25/2018	<10					
2-Hexanone	591-78-6	ug/L	10/16/2018	<10					
2-Hexanone	591-78-6	ug/L	4/16/2019	<10					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
2-Hexanone	591-78-6	ug/L	10/1/2019	<10					
2-Hexanone	591-78-6	ug/L	3/30/2020	<10					
2-Hexanone	591-78-6	ug/L	10/7/2020	<10					
2-Hexanone	591-78-6	ug/L	4/13/2021	<5					
2-Hexanone	591-78-6	ug/L	10/20/2021	<5	<5	<5	<5	<5	<5
2-Hexanone	591-78-6	ug/L	5/2/2022	<5	<5	<5	<5	<5	<5
2-Hexanone	591-78-6	ug/L	10/14/2022	<5	<5	<5	<5	<5	<5
2-Hexanone	591-78-6	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/16/2023	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/29/2024	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/9/2024		<10.0		<10.0		
2-Hexanone	591-78-6	ug/L	10/10/2024	<10.0		<10.0		<10.0	
2-Hexanone	591-78-6	ug/L	10/14/2024						<10.0
2-Hexanone	591-78-6	ug/L	4/25/2025		<10.0				
2-Hexanone	591-78-6	ug/L	4/30/2025			<10.0	<10.0		
2-Hexanone	591-78-6	ug/L	5/5/2025					<10.0	
2-Hexanone	591-78-6	ug/L	5/6/2025	<10.0					
2-Hexanone	591-78-6	ug/L	5/8/2025						<10.0
2-Methylnaphthalene	91-57-6	ug/L	4/14/2009	<10					
2-Methylnaphthalene	91-57-6	ug/L	5/10/2010	<10					
2-Methylnaphthalene	91-57-6	ug/L	3/30/2013			<10	<10		
2-Methylnaphthalene	91-57-6	ug/L	10/5/2015	<10					
2-Methylnaphthalene	91-57-6	ug/L	3/30/2020	<10.4					
2-Methylnaphthalene	91-57-6	ug/L	4/25/2025		<10.6				
2-Methylnaphthalene	91-57-6	ug/L	5/6/2025	<10.4					
2-Methylphenol	95-48-7	ug/L	4/14/2009	<10					
2-Methylphenol	95-48-7	ug/L	5/10/2010	<10					
2-Methylphenol	95-48-7	ug/L	3/30/2013			<10	<10		
2-Methylphenol	95-48-7	ug/L	10/5/2015	<10					
2-Methylphenol	95-48-7	ug/L	3/30/2020	<10.4					
2-Methylphenol	95-48-7	ug/L	4/25/2025		<10.6				
2-Methylphenol	95-48-7	ug/L	5/6/2025	<10.4					
2-Naphthylamine	91-59-8	ug/L	4/14/2009	<10					
2-Naphthylamine	91-59-8	ug/L	5/10/2010	<10					
2-Naphthylamine	91-59-8	ug/L	3/30/2013			<10	<10		
2-Naphthylamine	91-59-8	ug/L	10/5/2015	<10					
2-Naphthylamine	91-59-8	ug/L	3/30/2020	<10.4					
2-Naphthylamine	91-59-8	ug/L	4/25/2025		<10.6				
2-Naphthylamine	91-59-8	ug/L	5/6/2025	<10.4					
2-Nitroaniline	88-74-4	ug/L	4/14/2009	<10					
2-Nitroaniline	88-74-4	ug/L	5/10/2010	<10					
2-Nitroaniline	88-74-4	ug/L	3/30/2013			<10	<10		
2-Nitroaniline	88-74-4	ug/L	10/5/2015	<10					
2-Nitroaniline	88-74-4	ug/L	3/30/2020	<10.4					
2-Nitroaniline	88-74-4	ug/L	4/25/2025		<10.6				
2-Nitroaniline	88-74-4	ug/L	5/6/2025	<10.4					
2-Nitrophenol	88-75-5	ug/L	4/14/2009	<10					
2-Nitrophenol	88-75-5	ug/L	5/10/2010	<10					
2-Nitrophenol	88-75-5	ug/L	3/30/2013			<10	<10		
2-Nitrophenol	88-75-5	ug/L	10/5/2015	<10					
2-Nitrophenol	88-75-5	ug/L	3/30/2020	<10.4					
2-Nitrophenol	88-75-5	ug/L	4/25/2025		<10.6				
2-Nitrophenol	88-75-5	ug/L	5/6/2025	<10.4					
3,3'-Dichlorobenzidine	91-94-1	ug/L	4/25/2025		<10.6				
3,3'-Dichlorobenzidine	91-94-1	ug/L	5/6/2025	<10.4					
3,3'-Dimethylbenzidine	119-93-7	ug/L	4/25/2025		<10.6				
3,3'-Dimethylbenzidine	119-93-7	ug/L	5/6/2025	<10.4					
3,3-Dichlorobenzidine	91-94-1	ug/L	4/14/2009	<85					
3,3-Dichlorobenzidine	91-94-1	ug/L	5/10/2010	<10					
3,3-Dichlorobenzidine	91-94-1	ug/L	3/30/2013			<50	<50		
3,3-Dichlorobenzidine	91-94-1	ug/L	10/5/2015	<50					
3,3-Dichlorobenzidine	91-94-1	ug/L	3/30/2020	<10.4					
3,3-Dimethylbenzidine	119-93-7	ug/L	4/14/2009	<20					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
3,3-Dimethylbenzidine	119-93-7	ug/L	5/10/2010	<10					
3,3-Dimethylbenzidine	119-93-7	ug/L	3/30/2013			<10	<10		
3,3-Dimethylbenzidine	119-93-7	ug/L	10/5/2015	<10					
3,3-Dimethylbenzidine	119-93-7	ug/L	3/30/2020	<10.4					
3-Methylcholanthrene	56-49-5	ug/L	4/14/2009	<10					
3-Methylcholanthrene	56-49-5	ug/L	5/10/2010	<10					
3-Methylcholanthrene	56-49-5	ug/L	3/30/2013			<10	<10		
3-Methylcholanthrene	56-49-5	ug/L	10/5/2015	<10					
3-Methylcholanthrene	56-49-5	ug/L	3/30/2020	<10.4					
3-Methylcholanthrene	56-49-5	ug/L	4/25/2025		<10.6				
3-Methylcholanthrene	56-49-5	ug/L	5/6/2025	<10.4					
3-Nitroaniline	99-09-2	ug/L	4/14/2009	<10					
3-Nitroaniline	99-09-2	ug/L	5/10/2010	<10					
3-Nitroaniline	99-09-2	ug/L	3/30/2013			<10	<10		
3-Nitroaniline	99-09-2	ug/L	10/5/2015	<10					
3-Nitroaniline	99-09-2	ug/L	3/30/2020	<10.4					
3-Nitroaniline	99-09-2	ug/L	4/25/2025		<10.6				
3-Nitroaniline	99-09-2	ug/L	5/6/2025	<10.4					
4,4'-DDD	72-54-8	ug/L	4/25/2025		<0.0964				
4,4'-DDD	72-54-8	ug/L	5/6/2025	<0.0904					
4,4'-DDE	72-55-9	ug/L	4/25/2025		<0.0964				
4,4'-DDE	72-55-9	ug/L	5/6/2025	<0.0904					
4,4'-DDT	50-29-3	ug/L	4/25/2025		<0.0964				
4,4'-DDT	50-29-3	ug/L	5/6/2025	<0.0904					
4,4`-DDD	72-54-8	ug/L	4/14/2009	<0.032					
4,4`-DDD	72-54-8	ug/L	5/10/2010	<0.032					
4,4`-DDD	72-54-8	ug/L	3/30/2013			<0.032	<0.032		
4,4`-DDD	72-54-8	ug/L	10/5/2015	<0.032					
4,4`-DDD	72-54-8	ug/L	3/30/2020	<0.0333					
4,4`-DDE	72-55-9	ug/L	4/14/2009	<0.032					
4,4`-DDE	72-55-9	ug/L	5/10/2010	<0.032					
4,4`-DDE	72-55-9	ug/L	3/30/2013			<0.032	<0.032		
4,4`-DDE	72-55-9	ug/L	10/5/2015	<0.032					
4,4`-DDE	72-55-9	ug/L	3/30/2020	<0.0333					
4,4`-DDT	50-29-3	ug/L	4/14/2009	<0.032					
4,4`-DDT	50-29-3	ug/L	5/10/2010	<0.032					
4,4`-DDT	50-29-3	ug/L	3/30/2013			<0.032	<0.032		
4,4`-DDT	50-29-3	ug/L	10/5/2015	<0.032					
4,4`-DDT	50-29-3	ug/L	3/30/2020	<0.0333					
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/14/2009	<10					
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/10/2010	<10					
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	3/30/2013			<10	<10		
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	10/5/2015	<10					
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	3/30/2020	<10.4					
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/25/2025		<10.6				
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/6/2025	<10.4					
4-Aminobiphenyl	92-67-1	ug/L	4/14/2009	<20					
4-Aminobiphenyl	92-67-1	ug/L	5/10/2010	<10					
4-Aminobiphenyl	92-67-1	ug/L	3/30/2013			<10	<10		
4-Aminobiphenyl	92-67-1	ug/L	10/5/2015	<10					
4-Aminobiphenyl	92-67-1	ug/L	3/30/2020	<10.4					
4-Aminobiphenyl	92-67-1	ug/L	4/25/2025		<10.6				
4-Aminobiphenyl	92-67-1	ug/L	5/6/2025	<10.4					
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/14/2009	<10					
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/10/2010	<10					
4-Bromophenyl phenyl ether	101-55-3	ug/L	3/30/2013			<10	<10		
4-Bromophenyl phenyl ether	101-55-3	ug/L	10/5/2015	<10					
4-Bromophenyl phenyl ether	101-55-3	ug/L	3/30/2020	<10.4					
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/25/2025		<10.6				
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/6/2025	<10.4					
4-Chloro-3-methylphenol	59-50-7	ug/L	4/14/2009	<10					
4-Chloro-3-methylphenol	59-50-7	ug/L	5/10/2010	<10					
4-Chloro-3-methylphenol	59-50-7	ug/L	3/30/2013			<10	<10		

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
4-Chloro-3-methylphenol	59-50-7	ug/L	10/5/2015	<10					
4-Chloro-3-methylphenol	59-50-7	ug/L	3/30/2020	<10.4					
4-Chloro-3-methylphenol	59-50-7	ug/L	4/25/2025		<10.6				
4-Chloro-3-methylphenol	59-50-7	ug/L	5/6/2025	<10.4					
4-Chloroaniline	106-47-8	ug/L	4/25/2025		<10.6				
4-Chloroaniline	106-47-8	ug/L	5/6/2025	<10.4					
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/14/2009	<10					
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/10/2010	<10					
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	3/30/2013			<10	<10		
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	10/5/2015	<10					
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	3/30/2020	<10.4					
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/25/2025		<10.6				
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/6/2025	<10.4					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	2/27/2008	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/12/2008	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	7/13/2008	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	9/14/2008	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	11/17/2008	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/14/2009	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/25/2009	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/10/2010	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	11/1/2010	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	8/11/2011			<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/13/2011	<10		<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	12/5/2011			<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/11/2012	<10		<10	<10		
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	6/25/2012			<10	<10		
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	8/1/2012			<10	<10		
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/11/2012	<10		<10	<10		
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	12/13/2012				<10		
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	3/30/2013	<10		<10	<10		
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/7/2013				<10		
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	6/2/2014	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/15/2014	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/6/2015	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/5/2015	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/4/2016	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/17/2016	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/17/2017	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/11/2017	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/25/2018	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/16/2018	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/16/2019	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/1/2019	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	3/30/2020	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/7/2020	<10					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/13/2021	<5					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/20/2021	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/2/2022	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/14/2022	<5	<5	<5	<5	<5	1.1J
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/16/2023	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/29/2024	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/9/2024		<10.0		<10.0		
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/10/2024	<10.0		<10.0		<10.0	
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/14/2024						<10.0
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/25/2025		<10.0				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/30/2025			<10.0	<10.0		
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/5/2025					<10.0	
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/6/2025	<10.0					
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/8/2025						<10.0
4-Nitroaniline	100-01-6	ug/L	4/14/2009	<10					
4-Nitroaniline	100-01-6	ug/L	5/10/2010	<10					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
4-Nitroaniline	100-01-6	ug/L	3/30/2013			<10	<10		
4-Nitroaniline	100-01-6	ug/L	10/5/2015	<10					
4-Nitroaniline	100-01-6	ug/L	3/30/2020	<10.4					
4-Nitroaniline	100-01-6	ug/L	4/25/2025		<10.6				
4-Nitroaniline	100-01-6	ug/L	5/6/2025	<10.4					
4-Nitrophenol	100-02-7	ug/L	4/14/2009	<10					
4-Nitrophenol	100-02-7	ug/L	5/10/2010	<10					
4-Nitrophenol	100-02-7	ug/L	3/30/2013			<10	<10		
4-Nitrophenol	100-02-7	ug/L	10/5/2015	<10					
4-Nitrophenol	100-02-7	ug/L	3/30/2020	<10.4					
4-Nitrophenol	100-02-7	ug/L	4/25/2025		<10.6				
4-Nitrophenol	100-02-7	ug/L	5/6/2025	<10.4					
5-Nitro-o-toluidine	99-55-8	ug/L	4/14/2009	<10					
5-Nitro-o-toluidine	99-55-8	ug/L	5/10/2010	<10					
5-Nitro-o-toluidine	99-55-8	ug/L	3/30/2013			<10	<10		
5-Nitro-o-toluidine	99-55-8	ug/L	10/5/2015	<10					
5-Nitro-o-toluidine	99-55-8	ug/L	3/30/2020	<10.4					
5-Nitro-o-toluidine	99-55-8	ug/L	4/25/2025		<10.6				
5-Nitro-o-toluidine	99-55-8	ug/L	5/6/2025	<10.4					
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	4/25/2025		<10.6				
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	5/6/2025	<10.4					
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	4/14/2009	<10					
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	5/10/2010	<10					
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	3/30/2013			<10	<10		
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	10/5/2015	<10					
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	3/30/2020	<10.4					
Acenaphthene	83-32-9	ug/L	4/14/2009	<10					
Acenaphthene	83-32-9	ug/L	5/10/2010	<10					
Acenaphthene	83-32-9	ug/L	3/30/2013			<10	<10		
Acenaphthene	83-32-9	ug/L	10/5/2015	<10					
Acenaphthene	83-32-9	ug/L	3/30/2020	<10.4					
Acenaphthene	83-32-9	ug/L	4/25/2025		<10.6				
Acenaphthene	83-32-9	ug/L	5/6/2025	<10.4					
Acenaphthylene	208-96-8	ug/L	4/14/2009	<10					
Acenaphthylene	208-96-8	ug/L	5/10/2010	<10					
Acenaphthylene	208-96-8	ug/L	3/30/2013			<10	<10		
Acenaphthylene	208-96-8	ug/L	10/5/2015	<10					
Acenaphthylene	208-96-8	ug/L	3/30/2020	<10.4					
Acenaphthylene	208-96-8	ug/L	4/25/2025		<10.6				
Acenaphthylene	208-96-8	ug/L	5/6/2025	<10.4					
Acetone	67-64-1	ug/L	2/27/2008	<10	<10				
Acetone	67-64-1	ug/L	5/12/2008	<10	<10				
Acetone	67-64-1	ug/L	7/13/2008	<10	<10				
Acetone	67-64-1	ug/L	9/14/2008	<10	<10				
Acetone	67-64-1	ug/L	11/17/2008	<10	<10				
Acetone	67-64-1	ug/L	4/14/2009	<10					
Acetone	67-64-1	ug/L	10/25/2009	<10					
Acetone	67-64-1	ug/L	5/10/2010	<10					
Acetone	67-64-1	ug/L	11/1/2010	<10					
Acetone	67-64-1	ug/L	8/11/2011			<10			
Acetone	67-64-1	ug/L	10/13/2011	<10		<10			
Acetone	67-64-1	ug/L	12/5/2011			<10			
Acetone	67-64-1	ug/L	4/11/2012	<10		<10	<10		
Acetone	67-64-1	ug/L	6/25/2012			<10	<10		
Acetone	67-64-1	ug/L	8/1/2012			<10	<10		
Acetone	67-64-1	ug/L	10/11/2012	<10		<10	<10		
Acetone	67-64-1	ug/L	12/13/2012				<10		
Acetone	67-64-1	ug/L	3/30/2013	<10		<10	<10		
Acetone	67-64-1	ug/L	10/7/2013				<10		
Acetone	67-64-1	ug/L	6/2/2014	<10					
Acetone	67-64-1	ug/L	10/15/2014	<10					
Acetone	67-64-1	ug/L	4/6/2015	<10					
Acetone	67-64-1	ug/L	10/5/2015	<10					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Acetone	67-64-1	ug/L	4/4/2016	<10					
Acetone	67-64-1	ug/L	10/17/2016	<10					
Acetone	67-64-1	ug/L	4/17/2017	<10					
Acetone	67-64-1	ug/L	10/11/2017	3.87J					
Acetone	67-64-1	ug/L	4/25/2018	2.92J					
Acetone	67-64-1	ug/L	10/16/2018	<10					
Acetone	67-64-1	ug/L	4/16/2019	<10					
Acetone	67-64-1	ug/L	10/1/2019	<10					
Acetone	67-64-1	ug/L	3/30/2020	<10					
Acetone	67-64-1	ug/L	10/7/2020	<10					
Acetone	67-64-1	ug/L	4/13/2021	<10					
Acetone	67-64-1	ug/L	10/20/2021	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	5/2/2022	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/14/2022	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/16/2023	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	4/29/2024	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/9/2024		<10.0		<10.0		
Acetone	67-64-1	ug/L	10/10/2024	<10.0		<10.0		<10.0	
Acetone	67-64-1	ug/L	10/14/2024						<10.0
Acetone	67-64-1	ug/L	4/25/2025		<10.0				
Acetone	67-64-1	ug/L	4/30/2025			<10.0	<10.0		
Acetone	67-64-1	ug/L	5/5/2025					<10.0	
Acetone	67-64-1	ug/L	5/6/2025	<10.0					
Acetone	67-64-1	ug/L	5/8/2025						<10.0
Acetonitrile	75-05-8	mg/L	4/14/2009	<10					
Acetonitrile	75-05-8	mg/L	5/10/2010	<10					
Acetonitrile	75-05-8	mg/L	3/30/2013			<10	<10		
Acetonitrile	75-05-8	mg/L	10/5/2015	<10					
Acetonitrile	75-05-8	mg/L	3/30/2020	<10					
Acetonitrile	75-05-8	mg/L	4/25/2025		<10.0				
Acetonitrile	75-05-8	mg/L	5/6/2025	<10.0					
Acetophenone	98-86-2	ug/L	4/14/2009	<10					
Acetophenone	98-86-2	ug/L	5/10/2010	<10					
Acetophenone	98-86-2	ug/L	3/30/2013			<10	<10		
Acetophenone	98-86-2	ug/L	10/5/2015	<10					
Acetophenone	98-86-2	ug/L	3/30/2020	<10.4					
Acetophenone	98-86-2	ug/L	4/25/2025		<10.6				
Acetophenone	98-86-2	ug/L	5/6/2025	<10.4					
Acrolein	107-02-8	ug/L	4/14/2009	<10					
Acrolein	107-02-8	ug/L	5/10/2010	<10					
Acrolein	107-02-8	ug/L	3/30/2013			<10	<10		
Acrolein	107-02-8	ug/L	10/5/2015	<10					
Acrolein	107-02-8	ug/L	3/30/2020	<10					
Acrolein	107-02-8	ug/L	4/25/2025		<10.0				
Acrolein	107-02-8	ug/L	5/6/2025	<10.0					
Acrylonitrile	107-13-1	ug/L	2/27/2008	<10	<10				
Acrylonitrile	107-13-1	ug/L	5/12/2008	<10	<10				
Acrylonitrile	107-13-1	ug/L	7/13/2008	<10	<10				
Acrylonitrile	107-13-1	ug/L	9/14/2008	<10	<10				
Acrylonitrile	107-13-1	ug/L	11/17/2008	<10	<10				
Acrylonitrile	107-13-1	ug/L	4/14/2009	<10					
Acrylonitrile	107-13-1	ug/L	10/25/2009	<10					
Acrylonitrile	107-13-1	ug/L	5/10/2010	<10					
Acrylonitrile	107-13-1	ug/L	11/1/2010	<10					
Acrylonitrile	107-13-1	ug/L	8/11/2011			<10			
Acrylonitrile	107-13-1	ug/L	10/13/2011	<10		<10			
Acrylonitrile	107-13-1	ug/L	12/5/2011			<10			
Acrylonitrile	107-13-1	ug/L	4/11/2012	<10		<10	<10		
Acrylonitrile	107-13-1	ug/L	6/25/2012			<10	<10		
Acrylonitrile	107-13-1	ug/L	8/1/2012			<10	<10		
Acrylonitrile	107-13-1	ug/L	10/11/2012	<10		<10	<10		
Acrylonitrile	107-13-1	ug/L	12/13/2012				<10		

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Acrylonitrile	107-13-1	ug/L	3/30/2013	<10		<10	<10		
Acrylonitrile	107-13-1	ug/L	10/7/2013				<10		
Acrylonitrile	107-13-1	ug/L	6/2/2014	<10					
Acrylonitrile	107-13-1	ug/L	10/15/2014	<10					
Acrylonitrile	107-13-1	ug/L	4/6/2015	<10					
Acrylonitrile	107-13-1	ug/L	10/5/2015	<10					
Acrylonitrile	107-13-1	ug/L	4/4/2016	<10					
Acrylonitrile	107-13-1	ug/L	10/17/2016	<10					
Acrylonitrile	107-13-1	ug/L	4/17/2017	<5					
Acrylonitrile	107-13-1	ug/L	10/11/2017	<5					
Acrylonitrile	107-13-1	ug/L	4/25/2018	<5					
Acrylonitrile	107-13-1	ug/L	10/16/2018	<5					
Acrylonitrile	107-13-1	ug/L	4/16/2019	<5					
Acrylonitrile	107-13-1	ug/L	10/1/2019	<5					
Acrylonitrile	107-13-1	ug/L	3/30/2020	<5					
Acrylonitrile	107-13-1	ug/L	10/7/2020	<5					
Acrylonitrile	107-13-1	ug/L	4/13/2021	<5					
Acrylonitrile	107-13-1	ug/L	10/20/2021	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	5/2/2022	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/14/2022	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/16/2023	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	4/29/2024	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/9/2024		<5.00		<5.00		
Acrylonitrile	107-13-1	ug/L	10/10/2024	<5.00		<5.00		<5.00	
Acrylonitrile	107-13-1	ug/L	10/14/2024						<5.00
Acrylonitrile	107-13-1	ug/L	4/25/2025		<5.00				
Acrylonitrile	107-13-1	ug/L	4/30/2025			<5.00	<5.00		
Acrylonitrile	107-13-1	ug/L	5/5/2025					<5.00	
Acrylonitrile	107-13-1	ug/L	5/6/2025	<5.00					
Acrylonitrile	107-13-1	ug/L	5/8/2025						<5.00
Aldrin	309-00-2	ug/L	4/14/2009	<0.032					
Aldrin	309-00-2	ug/L	5/10/2010	<0.032					
Aldrin	309-00-2	ug/L	3/30/2013			<0.032	<0.032		
Aldrin	309-00-2	ug/L	10/5/2015	<0.032					
Aldrin	309-00-2	ug/L	3/30/2020	<0.0333					
Aldrin	309-00-2	ug/L	4/25/2025		<0.0964				
Aldrin	309-00-2	ug/L	5/6/2025	<0.0904					
Alkalinity, Phenol [CaCO3]	PALK	mg/L	6/2/2014	<5					
Alkalinity, Phenol [CaCO3]	PALK	mg/L	10/15/2014	<5		<5			
Alkalinity, Total [CaCO3]	TALK	mg/L	6/2/2014	475					
Alkalinity, Total [CaCO3]	TALK	mg/L	10/15/2014	526		205			
Allyl Chloride	107-05-1	ug/L	4/14/2009	<2					
Allyl Chloride	107-05-1	ug/L	5/10/2010	<2					
Allyl Chloride	107-05-1	ug/L	3/30/2013			<2	<2		
Allyl Chloride	107-05-1	ug/L	10/5/2015	<2					
Allyl Chloride	107-05-1	ug/L	3/30/2020	<2					
Allyl chloride	107-05-1	ug/L	4/25/2025		<2.00				
Allyl chloride	107-05-1	ug/L	5/6/2025	<2.00					
Alpha-BHC	319-84-6	ug/L	4/14/2009	<0.032					
Alpha-BHC	319-84-6	ug/L	5/10/2010	<0.032					
Alpha-BHC	319-84-6	ug/L	3/30/2013			<0.032	<0.032		
Alpha-BHC	319-84-6	ug/L	10/5/2015	<0.032					
Alpha-BHC	319-84-6	ug/L	3/30/2020	<0.0333					
Ammonia as N	7664-41-7	mg/L	4/6/2015	0.315	<0.2	<0.2	<0.2		
Ammonia as N	7664-41-7	mg/L	10/5/2015	0.335	<0.2	<0.2	<0.2		
Ammonia as N	7664-41-7	mg/L	4/4/2016	0.313	<0.2	<0.2	<0.2		
Ammonia as N	7664-41-7	mg/L	10/17/2016	0.404	<0.2	<0.2	<0.2		
Anthracene	120-12-7	ug/L	4/14/2009	<10					
Anthracene	120-12-7	ug/L	5/10/2010	<10					
Anthracene	120-12-7	ug/L	3/30/2013			<10	<10		
Anthracene	120-12-7	ug/L	10/5/2015	<10					
Anthracene	120-12-7	ug/L	3/30/2020	<10.4					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Anthracene	120-12-7	ug/L	4/25/2025		<10.6				
Anthracene	120-12-7	ug/L	5/6/2025	<10.4					
Antimony	7440-36-0	mg/L	2/27/2008	<0.006	<0.006				
Antimony	7440-36-0	mg/L	5/12/2008	<0.006	<0.006				
Antimony	7440-36-0	mg/L	7/13/2008	<0.006	<0.006				
Antimony	7440-36-0	mg/L	9/14/2008	<0.006	<0.006				
Antimony	7440-36-0	mg/L	11/17/2008	<0.006	<0.006				
Antimony	7440-36-0	mg/L	4/14/2009	<0.006					
Antimony	7440-36-0	mg/L	10/25/2009	<0.006					
Antimony	7440-36-0	mg/L	5/10/2010	<0.002					
Antimony	7440-36-0	mg/L	11/1/2010	<0.006					
Antimony	7440-36-0	mg/L	8/11/2011			<0.006			
Antimony	7440-36-0	mg/L	10/13/2011			<0.006			
Antimony	7440-36-0	mg/L	12/5/2011			<0.006			
Antimony	7440-36-0	mg/L	4/11/2012	<0.006		<0.006	<0.006		
Antimony	7440-36-0	mg/L	6/25/2012			<0.006	<0.006		
Antimony	7440-36-0	mg/L	8/1/2012			<0.006	<0.006		
Antimony	7440-36-0	mg/L	10/11/2012	<0.006		<0.006	<0.006		
Antimony	7440-36-0	mg/L	12/13/2012				<0.006		
Antimony	7440-36-0	mg/L	3/30/2013	<0.006		<0.006	<0.006		
Antimony	7440-36-0	mg/L	10/7/2013	<0.006		<0.006	<0.006		
Antimony	7440-36-0	mg/L	6/2/2014	<0.006					
Antimony	7440-36-0	mg/L	10/15/2014	<0.006					
Antimony	7440-36-0	mg/L	4/6/2015	<0.001					
Antimony	7440-36-0	mg/L	10/5/2015	<0.001					
Antimony	7440-36-0	mg/L	4/4/2016	<0.001					
Antimony	7440-36-0	mg/L	10/17/2016	<0.001					
Antimony	7440-36-0	mg/L	4/17/2017	<0.001					
Antimony	7440-36-0	mg/L	10/11/2017	<0.001					
Antimony	7440-36-0	mg/L	4/25/2018	<0.001					
Antimony	7440-36-0	mg/L	10/16/2018	<0.003					
Antimony	7440-36-0	mg/L	4/16/2019	<0.001					
Antimony	7440-36-0	mg/L	10/1/2019	<0.001					
Antimony	7440-36-0	mg/L	3/30/2020	<0.001					
Antimony	7440-36-0	mg/L	10/7/2020	0.000586J					
Antimony	7440-36-0	mg/L	4/13/2021	<0.002					
Antimony	7440-36-0	mg/L	10/20/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	5/2/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	10/14/2022	<0.002	<0.002	<0.002	<0.002	0.0005J	<0.002
Antimony	7440-36-0	mg/L	5/1/2023	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	10/16/2023	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	4/29/2024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	10/9/2024		<0.00200		<0.00200		
Antimony	7440-36-0	mg/L	10/10/2024	<0.00200		<0.00200		<0.00200	
Antimony	7440-36-0	mg/L	10/14/2024						<0.00200
Antimony	7440-36-0	mg/L	4/25/2025		<0.00200				
Antimony	7440-36-0	mg/L	4/30/2025			<0.00200	<0.00200		
Antimony	7440-36-0	mg/L	5/5/2025					<0.00200	
Antimony	7440-36-0	mg/L	5/6/2025	<0.00200					
Antimony	7440-36-0	mg/L	5/8/2025						<0.00200
Arsenic	7440-38-2	mg/L	2/27/2008	<0.001	<0.001				
Arsenic	7440-38-2	mg/L	5/12/2008	<0.001	<0.001				
Arsenic	7440-38-2	mg/L	7/13/2008	<0.001	<0.001				
Arsenic	7440-38-2	mg/L	9/14/2008	<0.001	<0.001				
Arsenic	7440-38-2	mg/L	11/17/2008	<0.001	<0.001				
Arsenic	7440-38-2	mg/L	4/14/2009	<0.001					
Arsenic	7440-38-2	mg/L	10/25/2009	0.0013					
Arsenic	7440-38-2	mg/L	5/10/2010	0.0029					
Arsenic	7440-38-2	mg/L	8/11/2011			<0.001			
Arsenic	7440-38-2	mg/L	10/13/2011			<0.001			
Arsenic	7440-38-2	mg/L	12/5/2011			<0.001			
Arsenic	7440-38-2	mg/L	4/11/2012	<0.002		<0.001	<0.001		
Arsenic	7440-38-2	mg/L	6/25/2012			<0.001	<0.001		

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Arsenic	7440-38-2	mg/L	8/1/2012			<0.001	<0.001		
Arsenic	7440-38-2	mg/L	10/11/2012	<0.001		<0.001	<0.002		
Arsenic	7440-38-2	mg/L	12/13/2012				<0.001		
Arsenic	7440-38-2	mg/L	3/30/2013	<0.001		<0.001	<0.001		
Arsenic	7440-38-2	mg/L	10/7/2013	<0.001		<0.001	<0.001		
Arsenic	7440-38-2	mg/L	6/2/2014	<0.001	0.00028J		<0.001		
Arsenic	7440-38-2	mg/L	10/15/2014	<0.001	<0.001		<0.001		
Arsenic	7440-38-2	mg/L	4/6/2015	<0.002	<0.002	<0.002			
Arsenic	7440-38-2	mg/L	10/5/2015	<0.002	<0.002	<0.002			
Arsenic	7440-38-2	mg/L	4/4/2016	<0.002	<0.002	<0.002			
Arsenic	7440-38-2	mg/L	10/17/2016	<0.002	<0.002	<0.002			
Arsenic	7440-38-2	mg/L	4/17/2017	<0.002	<0.002	<0.002			
Arsenic	7440-38-2	mg/L	10/11/2017	<0.002	<0.002	<0.002			
Arsenic	7440-38-2	mg/L	4/24/2018		<0.002				
Arsenic	7440-38-2	mg/L	4/25/2018	0.00126J		<0.002			
Arsenic	7440-38-2	mg/L	10/16/2018	0.000568J	<0.002	<0.002		<0.002	
Arsenic	7440-38-2	mg/L	4/16/2019	<0.002	<0.002	<0.002		<0.002	
Arsenic	7440-38-2	mg/L	10/1/2019	<0.002	<0.002	<0.002		<0.002	
Arsenic	7440-38-2	mg/L	3/30/2020	<0.002	<0.002	<0.002		<0.002	
Arsenic	7440-38-2	mg/L	10/7/2020	<0.002	<0.002	<0.002		<0.002	
Arsenic	7440-38-2	mg/L	4/13/2021	<0.004	<0.004	<0.004		<0.004	
Arsenic	7440-38-2	mg/L	10/20/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Arsenic	7440-38-2	mg/L	5/2/2022	<0.004	0.0009J	<0.004	<0.004	<0.004	<0.004
Arsenic	7440-38-2	mg/L	10/14/2022	<0.004	0.0012J	<0.004	0.001J	0.0018J	0.0014J
Arsenic	7440-38-2	mg/L	5/1/2023	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	10/16/2023	<0.002	<0.002	<0.002	<0.002	<0.002	0.000693J
Arsenic	7440-38-2	mg/L	4/29/2024	0.00255	<0.002	<0.002	<0.002	<0.002	<0.002
Arsenic	7440-38-2	mg/L	10/9/2024		<0.00200		<0.00200		
Arsenic	7440-38-2	mg/L	10/10/2024	<0.00200		<0.00200		<0.00200	
Arsenic	7440-38-2	mg/L	10/14/2024						<0.00200
Arsenic	7440-38-2	mg/L	4/25/2025		<0.00200				
Arsenic	7440-38-2	mg/L	4/30/2025			<0.00200	<0.00200		
Arsenic	7440-38-2	mg/L	5/5/2025					<0.00200	
Arsenic	7440-38-2	mg/L	5/6/2025	0.00148					
Arsenic	7440-38-2	mg/L	5/8/2025						<0.00200
Barium	7440-39-3	mg/L	2/27/2008	0.376	0.138				
Barium	7440-39-3	mg/L	5/12/2008	0.356	0.104				
Barium	7440-39-3	mg/L	7/13/2008	0.327	0.0972				
Barium	7440-39-3	mg/L	9/14/2008	0.341	0.114				
Barium	7440-39-3	mg/L	11/17/2008	0.368	0.13				
Barium	7440-39-3	mg/L	4/14/2009	0.363					
Barium	7440-39-3	mg/L	7/7/2009	0.159					
Barium	7440-39-3	mg/L	9/2/2009	0.358					
Barium	7440-39-3	mg/L	10/25/2009	0.376					
Barium	7440-39-3	mg/L	1/2/2010	0.385					
Barium	7440-39-3	mg/L	5/10/2010	0.38					
Barium	7440-39-3	mg/L	11/1/2010	0.348					
Barium	7440-39-3	mg/L	8/11/2011			0.0547			
Barium	7440-39-3	mg/L	10/13/2011			0.061			
Barium	7440-39-3	mg/L	12/5/2011			0.156			
Barium	7440-39-3	mg/L	2/6/2012			0.06			
Barium	7440-39-3	mg/L	4/11/2012	0.41		0.059	0.163		
Barium	7440-39-3	mg/L	6/25/2012			0.0789	0.164		
Barium	7440-39-3	mg/L	8/1/2012			0.0875	0.194		
Barium	7440-39-3	mg/L	10/11/2012	0.445		0.0522	0.259		
Barium	7440-39-3	mg/L	12/13/2012				0.247		
Barium	7440-39-3	mg/L	3/30/2013	0.441		0.0662	0.159		
Barium	7440-39-3	mg/L	10/7/2013	0.45; 0.455		0.0691	0.191		
Barium	7440-39-3	mg/L	6/2/2014	0.345; 0.358					
Barium	7440-39-3	mg/L	10/15/2014	0.454					
Barium	7440-39-3	mg/L	4/6/2015	0.443					
Barium	7440-39-3	mg/L	10/5/2015	0.494					
Barium	7440-39-3	mg/L	4/4/2016	0.515					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Barium	7440-39-3	mg/L	10/17/2016	0.471					
Barium	7440-39-3	mg/L	4/17/2017	0.566; 0.55					
Barium	7440-39-3	mg/L	10/11/2017	0.493					
Barium	7440-39-3	mg/L	4/25/2018	0.599					
Barium	7440-39-3	mg/L	10/16/2018	0.522					
Barium	7440-39-3	mg/L	4/16/2019	0.554; 0.681					
Barium	7440-39-3	mg/L	10/1/2019	0.578					
Barium	7440-39-3	mg/L	3/30/2020	0.539					
Barium	7440-39-3	mg/L	10/7/2020	0.578					
Barium	7440-39-3	mg/L	4/13/2021	0.517					
Barium	7440-39-3	mg/L	10/20/2021	0.55	0.131	0.2	0.173	0.182	0.114
Barium	7440-39-3	mg/L	5/2/2022	0.55; 0.572	0.13	0.0999	0.174	0.168	0.099
Barium	7440-39-3	mg/L	10/14/2022	0.527	0.164	0.146	0.185	0.194	0.0993
Barium	7440-39-3	mg/L	5/1/2023	0.644	0.131; 0.125	0.107	0.195	0.183	0.0989
Barium	7440-39-3	mg/L	10/16/2023	0.557	0.138	0.119	0.178	0.167	0.106
Barium	7440-39-3	mg/L	4/29/2024	0.521	0.15	0.0891	0.164	0.157	0.0923
Barium	7440-39-3	mg/L	10/9/2024		0.148		0.171		
Barium	7440-39-3	mg/L	10/10/2024	0.630		0.124		0.177	
Barium	7440-39-3	mg/L	10/14/2024						0.0925
Barium	7440-39-3	mg/L	4/25/2025		0.146				
Barium	7440-39-3	mg/L	4/30/2025			0.0995	0.157		
Barium	7440-39-3	mg/L	5/5/2025					0.176	
Barium	7440-39-3	mg/L	5/6/2025	0.553					
Barium	7440-39-3	mg/L	5/8/2025						0.0862
Benzene	71-43-2	ug/L	2/27/2008	<0.5	<0.5				
Benzene	71-43-2	ug/L	5/12/2008	<0.5	<0.5				
Benzene	71-43-2	ug/L	7/13/2008	<0.5	<0.5				
Benzene	71-43-2	ug/L	9/14/2008	<0.5	<0.5				
Benzene	71-43-2	ug/L	11/17/2008	<0.5	<0.5				
Benzene	71-43-2	ug/L	4/14/2009	<0.5					
Benzene	71-43-2	ug/L	10/25/2009	<0.5					
Benzene	71-43-2	ug/L	5/10/2010	<0.5					
Benzene	71-43-2	ug/L	11/1/2010	<0.5					
Benzene	71-43-2	ug/L	8/11/2011			<0.5			
Benzene	71-43-2	ug/L	10/13/2011	<0.5		<0.5			
Benzene	71-43-2	ug/L	12/5/2011			<0.5			
Benzene	71-43-2	ug/L	4/11/2012	<0.5		<0.5	<0.5		
Benzene	71-43-2	ug/L	6/25/2012			<0.5	<0.5		
Benzene	71-43-2	ug/L	8/1/2012			<0.5	<0.5		
Benzene	71-43-2	ug/L	10/11/2012	<0.5		<0.5	<0.5		
Benzene	71-43-2	ug/L	12/13/2012				<0.5		
Benzene	71-43-2	ug/L	3/30/2013	<0.5		<0.5	<0.5		
Benzene	71-43-2	ug/L	10/7/2013				<0.5		
Benzene	71-43-2	ug/L	6/2/2014	<0.5					
Benzene	71-43-2	ug/L	10/15/2014	<0.5					
Benzene	71-43-2	ug/L	4/6/2015	<0.5					
Benzene	71-43-2	ug/L	10/5/2015	<0.5					
Benzene	71-43-2	ug/L	4/4/2016	<0.5					
Benzene	71-43-2	ug/L	10/17/2016	<0.5					
Benzene	71-43-2	ug/L	4/17/2017	<0.5					
Benzene	71-43-2	ug/L	10/11/2017	<0.5					
Benzene	71-43-2	ug/L	4/25/2018	<0.5					
Benzene	71-43-2	ug/L	10/16/2018	<0.5					
Benzene	71-43-2	ug/L	4/16/2019	<0.5					
Benzene	71-43-2	ug/L	10/1/2019	<0.5					
Benzene	71-43-2	ug/L	3/30/2020	<0.5					
Benzene	71-43-2	ug/L	10/7/2020	<0.5					
Benzene	71-43-2	ug/L	4/13/2021	<1					
Benzene	71-43-2	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Benzene	71-43-2	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Benzene	71-43-2	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Benzene	71-43-2	ug/L	5/1/2023	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	10/16/2023	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Benzene	71-43-2	ug/L	4/29/2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzene	71-43-2	ug/L	10/9/2024		<0.500		<0.500		
Benzene	71-43-2	ug/L	10/10/2024	<0.500		<0.500		<0.500	
Benzene	71-43-2	ug/L	10/14/2024						<0.500
Benzene	71-43-2	ug/L	4/25/2025		<0.500				
Benzene	71-43-2	ug/L	4/30/2025			<0.500	<0.500		
Benzene	71-43-2	ug/L	5/5/2025					<0.500	
Benzene	71-43-2	ug/L	5/6/2025	<0.500					
Benzene	71-43-2	ug/L	5/8/2025						<0.500
Benzo [k] fluoranthene	207-08-9	ug/L	4/14/2009	<10					
Benzo [k] fluoranthene	207-08-9	ug/L	5/10/2010	<10					
Benzo [k] fluoranthene	207-08-9	ug/L	3/30/2013			<10	<10		
Benzo [k] fluoranthene	207-08-9	ug/L	10/5/2015	<10					
Benzo [k] fluoranthene	207-08-9	ug/L	3/30/2020	<10.4					
Benzo[a]anthracene	56-55-3	ug/L	4/14/2009	<10					
Benzo[a]anthracene	56-55-3	ug/L	5/10/2010	<10					
Benzo[a]anthracene	56-55-3	ug/L	3/30/2013			<10	<10		
Benzo[a]anthracene	56-55-3	ug/L	10/5/2015	<10					
Benzo[a]anthracene	56-55-3	ug/L	3/30/2020	<10.4					
Benzo[a]anthracene	56-55-3	ug/L	4/25/2025		<10.6				
Benzo[a]anthracene	56-55-3	ug/L	5/6/2025	<10.4					
Benzo[a]pyrene	50-32-8	ug/L	4/14/2009	<10					
Benzo[a]pyrene	50-32-8	ug/L	5/10/2010	<10					
Benzo[a]pyrene	50-32-8	ug/L	3/30/2013			<10	<10		
Benzo[a]pyrene	50-32-8	ug/L	10/5/2015	<10					
Benzo[a]pyrene	50-32-8	ug/L	3/30/2020	<10.4					
Benzo[a]pyrene	50-32-8	ug/L	4/25/2025		<10.6				
Benzo[a]pyrene	50-32-8	ug/L	5/6/2025	<10.4					
Benzo[b]fluoranthene	205-99-2	ug/L	4/14/2009	<10					
Benzo[b]fluoranthene	205-99-2	ug/L	5/10/2010	<10					
Benzo[b]fluoranthene	205-99-2	ug/L	3/30/2013			<10	<10		
Benzo[b]fluoranthene	205-99-2	ug/L	10/5/2015	<10					
Benzo[b]fluoranthene	205-99-2	ug/L	3/30/2020	<10.4					
Benzo[b]fluoranthene	205-99-2	ug/L	4/25/2025		<10.6				
Benzo[b]fluoranthene	205-99-2	ug/L	5/6/2025	<10.4					
Benzo[g,h,i]perylene	191-24-2	ug/L	4/14/2009	<10					
Benzo[g,h,i]perylene	191-24-2	ug/L	5/10/2010	<10					
Benzo[g,h,i]perylene	191-24-2	ug/L	3/30/2013			<10	<10		
Benzo[g,h,i]perylene	191-24-2	ug/L	10/5/2015	<10					
Benzo[g,h,i]perylene	191-24-2	ug/L	3/30/2020	<10.4					
Benzo[g,h,i]perylene	191-24-2	ug/L	4/25/2025		<10.6				
Benzo[g,h,i]perylene	191-24-2	ug/L	5/6/2025	<10.4					
Benzo[k]fluoranthene	207-08-9	ug/L	4/25/2025		<10.6				
Benzo[k]fluoranthene	207-08-9	ug/L	5/6/2025	<10.4					
Benzyl alcohol	100-51-6	ug/L	4/14/2009	<10					
Benzyl alcohol	100-51-6	ug/L	5/10/2010	<10					
Benzyl alcohol	100-51-6	ug/L	3/30/2013			<10	<10		
Benzyl alcohol	100-51-6	ug/L	10/5/2015	<10					
Benzyl alcohol	100-51-6	ug/L	3/30/2020	<10.4					
Benzyl alcohol	100-51-6	ug/L	4/25/2025		<10.6				
Benzyl alcohol	100-51-6	ug/L	5/6/2025	<10.4					
Beryllium	7440-41-7	mg/L	2/27/2008	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	5/12/2008	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	7/13/2008	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	9/14/2008	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	11/17/2008	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	4/14/2009	<0.001					
Beryllium	7440-41-7	mg/L	10/25/2009	<0.001					
Beryllium	7440-41-7	mg/L	5/10/2010	<0.0004					
Beryllium	7440-41-7	mg/L	11/1/2010	<0.001					
Beryllium	7440-41-7	mg/L	8/11/2011			<0.001			
Beryllium	7440-41-7	mg/L	10/13/2011			<0.001			
Beryllium	7440-41-7	mg/L	12/5/2011			<0.001			

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Beryllium	7440-41-7	mg/L	4/11/2012	<0.001		<0.001	<0.001		
Beryllium	7440-41-7	mg/L	6/25/2012			<0.001	<0.001		
Beryllium	7440-41-7	mg/L	8/1/2012			<0.001	<0.001		
Beryllium	7440-41-7	mg/L	10/11/2012	<0.001		<0.001	<0.001		
Beryllium	7440-41-7	mg/L	12/13/2012				<0.001		
Beryllium	7440-41-7	mg/L	3/30/2013	<0.001		<0.001	<0.001		
Beryllium	7440-41-7	mg/L	10/7/2013	<0.001		<0.001	<0.001		
Beryllium	7440-41-7	mg/L	6/2/2014	<0.001					
Beryllium	7440-41-7	mg/L	10/15/2014	<0.001					
Beryllium	7440-41-7	mg/L	4/6/2015	<0.001					
Beryllium	7440-41-7	mg/L	10/5/2015	<0.001					
Beryllium	7440-41-7	mg/L	4/4/2016	<0.001					
Beryllium	7440-41-7	mg/L	10/17/2016	<0.001					
Beryllium	7440-41-7	mg/L	4/17/2017	<0.001					
Beryllium	7440-41-7	mg/L	10/11/2017	<0.001					
Beryllium	7440-41-7	mg/L	4/25/2018	<0.001					
Beryllium	7440-41-7	mg/L	10/16/2018	<0.001					
Beryllium	7440-41-7	mg/L	4/16/2019	<0.001					
Beryllium	7440-41-7	mg/L	10/1/2019	<0.001					
Beryllium	7440-41-7	mg/L	3/30/2020	<0.001					
Beryllium	7440-41-7	mg/L	10/7/2020	<0.001					
Beryllium	7440-41-7	mg/L	4/13/2021	<0.004					
Beryllium	7440-41-7	mg/L	10/20/2021	0.0001J	<0.004	<0.004	0.0002J	<0.004	<0.004
Beryllium	7440-41-7	mg/L	5/2/2022	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Beryllium	7440-41-7	mg/L	10/14/2022	<0.004	<0.004	<0.004	<0.004	0.0001J	<0.004
Beryllium	7440-41-7	mg/L	5/1/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/16/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/29/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/9/2024		<0.00100		<0.00100		
Beryllium	7440-41-7	mg/L	10/10/2024	<0.00100		<0.00100		<0.00100	
Beryllium	7440-41-7	mg/L	10/14/2024						<0.00100
Beryllium	7440-41-7	mg/L	4/25/2025		<0.00100				
Beryllium	7440-41-7	mg/L	4/30/2025			<0.00100	<0.00100		
Beryllium	7440-41-7	mg/L	5/5/2025					<0.00100	
Beryllium	7440-41-7	mg/L	5/6/2025	<0.00100					
Beryllium	7440-41-7	mg/L	5/8/2025						<0.00100
Beta-BHC	319-85-7	ug/L	4/14/2009	<0.032					
Beta-BHC	319-85-7	ug/L	5/10/2010	<0.032					
Beta-BHC	319-85-7	ug/L	3/30/2013			<0.032	<0.032		
Beta-BHC	319-85-7	ug/L	10/5/2015	<0.032					
Beta-BHC	319-85-7	ug/L	3/30/2020	<0.0333					
Bicarbonate	BICARB	mg/L	6/2/2014	475					
Bicarbonate	BICARB	mg/L	10/15/2014	526		205			
Bis(2-chloroethoxy)methane	111-91-1	ug/L	4/25/2025		<10.6				
Bis(2-chloroethoxy)methane	111-91-1	ug/L	5/6/2025	<10.4					
Bis(2-chloroethyl)ether	111-44-4	ug/L	4/25/2025		<10.6				
Bis(2-chloroethyl)ether	111-44-4	ug/L	5/6/2025	<10.4					
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	4/25/2025		<10.6				
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5/6/2025	<10.4					
Bis[2-chloroethoxy]methane	111-91-1	ug/L	4/14/2009	<10					
Bis[2-chloroethoxy]methane	111-91-1	ug/L	5/10/2010	<10					
Bis[2-chloroethoxy]methane	111-91-1	ug/L	3/30/2013			<10	<10		
Bis[2-chloroethoxy]methane	111-91-1	ug/L	10/5/2015	<10					
Bis[2-chloroethoxy]methane	111-91-1	ug/L	3/30/2020	<10.4					
Bis[2-chloroethyl]ether	111-44-4	ug/L	4/14/2009	<10					
Bis[2-chloroethyl]ether	111-44-4	ug/L	5/10/2010	<10					
Bis[2-chloroethyl]ether	111-44-4	ug/L	3/30/2013			<10	<10		
Bis[2-chloroethyl]ether	111-44-4	ug/L	10/5/2015	<10					
Bis[2-chloroethyl]ether	111-44-4	ug/L	3/30/2020	<10.4					
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	4/14/2009	<10					
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	5/10/2010	<10					
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	3/30/2013			<10	<10		
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	10/5/2015	<10					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	3/30/2020	<10.4					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/14/2009	<10					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	5/10/2010	<10					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	3/30/2013			<10	<10		
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/5/2015	<10					
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	3/30/2020	<10.4					
Bromochloromethane	74-97-5	ug/L	2/27/2008	<5	<5				
Bromochloromethane	74-97-5	ug/L	5/12/2008	<5	<5				
Bromochloromethane	74-97-5	ug/L	7/13/2008	<5	<5				
Bromochloromethane	74-97-5	ug/L	9/14/2008	<5	<5				
Bromochloromethane	74-97-5	ug/L	11/17/2008	<5	<5				
Bromochloromethane	74-97-5	ug/L	4/14/2009	<5					
Bromochloromethane	74-97-5	ug/L	10/25/2009	<5					
Bromochloromethane	74-97-5	ug/L	5/10/2010	<5					
Bromochloromethane	74-97-5	ug/L	11/1/2010	<5					
Bromochloromethane	74-97-5	ug/L	8/11/2011			<5			
Bromochloromethane	74-97-5	ug/L	10/13/2011	<5		<5			
Bromochloromethane	74-97-5	ug/L	12/5/2011			<5			
Bromochloromethane	74-97-5	ug/L	4/11/2012	<5		<5	<5		
Bromochloromethane	74-97-5	ug/L	6/25/2012			<5	<5		
Bromochloromethane	74-97-5	ug/L	8/1/2012			<5	<5		
Bromochloromethane	74-97-5	ug/L	10/11/2012	<5		<5	<5		
Bromochloromethane	74-97-5	ug/L	12/13/2012				<5		
Bromochloromethane	74-97-5	ug/L	3/30/2013	<5		<5	<5		
Bromochloromethane	74-97-5	ug/L	10/7/2013				<5		
Bromochloromethane	74-97-5	ug/L	6/2/2014	<5					
Bromochloromethane	74-97-5	ug/L	10/15/2014	<5					
Bromochloromethane	74-97-5	ug/L	4/6/2015	<5					
Bromochloromethane	74-97-5	ug/L	10/5/2015	<5					
Bromochloromethane	74-97-5	ug/L	4/4/2016	<5					
Bromochloromethane	74-97-5	ug/L	10/17/2016	<5					
Bromochloromethane	74-97-5	ug/L	4/17/2017	<5					
Bromochloromethane	74-97-5	ug/L	10/11/2017	<5					
Bromochloromethane	74-97-5	ug/L	4/25/2018	<5					
Bromochloromethane	74-97-5	ug/L	10/16/2018	<5					
Bromochloromethane	74-97-5	ug/L	4/16/2019	<5					
Bromochloromethane	74-97-5	ug/L	10/1/2019	<5					
Bromochloromethane	74-97-5	ug/L	3/30/2020	<5					
Bromochloromethane	74-97-5	ug/L	10/7/2020	<5					
Bromochloromethane	74-97-5	ug/L	4/13/2021	<1					
Bromochloromethane	74-97-5	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Bromochloromethane	74-97-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Bromochloromethane	74-97-5	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Bromochloromethane	74-97-5	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/16/2023	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/29/2024	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/9/2024		<5.00		<5.00		
Bromochloromethane	74-97-5	ug/L	10/10/2024	<5.00		<5.00		<5.00	
Bromochloromethane	74-97-5	ug/L	10/14/2024						<5.00
Bromochloromethane	74-97-5	ug/L	4/25/2025		<5.00				
Bromochloromethane	74-97-5	ug/L	4/30/2025			<5.00	<5.00		
Bromochloromethane	74-97-5	ug/L	5/5/2025					<5.00	
Bromochloromethane	74-97-5	ug/L	5/6/2025	<5.00					
Bromochloromethane	74-97-5	ug/L	5/8/2025						<5.00
Bromodichloromethane	75-27-4	ug/L	2/27/2008	<1	<1				
Bromodichloromethane	75-27-4	ug/L	5/12/2008	<1	<1				
Bromodichloromethane	75-27-4	ug/L	7/13/2008	<1	<1				
Bromodichloromethane	75-27-4	ug/L	9/14/2008	<1	<1				
Bromodichloromethane	75-27-4	ug/L	11/17/2008	<1	<1				
Bromodichloromethane	75-27-4	ug/L	4/14/2009	<1					
Bromodichloromethane	75-27-4	ug/L	10/25/2009	<2					
Bromodichloromethane	75-27-4	ug/L	5/10/2010	<1					
Bromodichloromethane	75-27-4	ug/L	11/1/2010	<1					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Bromodichloromethane	75-27-4	ug/L	8/11/2011			<1			
Bromodichloromethane	75-27-4	ug/L	10/13/2011	<1		<1			
Bromodichloromethane	75-27-4	ug/L	12/5/2011			<1			
Bromodichloromethane	75-27-4	ug/L	4/11/2012	<1		<1	<1		
Bromodichloromethane	75-27-4	ug/L	6/25/2012			<1	<1		
Bromodichloromethane	75-27-4	ug/L	8/1/2012			<1	<1		
Bromodichloromethane	75-27-4	ug/L	10/11/2012	<1		<1	<1		
Bromodichloromethane	75-27-4	ug/L	12/13/2012				<1		
Bromodichloromethane	75-27-4	ug/L	3/30/2013	<1		<1	<1		
Bromodichloromethane	75-27-4	ug/L	10/7/2013				<1		
Bromodichloromethane	75-27-4	ug/L	6/2/2014	<1					
Bromodichloromethane	75-27-4	ug/L	10/15/2014	<1					
Bromodichloromethane	75-27-4	ug/L	4/6/2015	<1					
Bromodichloromethane	75-27-4	ug/L	10/5/2015	<1					
Bromodichloromethane	75-27-4	ug/L	4/4/2016	<1					
Bromodichloromethane	75-27-4	ug/L	10/17/2016	<1					
Bromodichloromethane	75-27-4	ug/L	4/17/2017	<1					
Bromodichloromethane	75-27-4	ug/L	10/11/2017	<1					
Bromodichloromethane	75-27-4	ug/L	4/25/2018	<1					
Bromodichloromethane	75-27-4	ug/L	10/16/2018	<1					
Bromodichloromethane	75-27-4	ug/L	4/16/2019	<1					
Bromodichloromethane	75-27-4	ug/L	10/1/2019	<1					
Bromodichloromethane	75-27-4	ug/L	3/30/2020	<1					
Bromodichloromethane	75-27-4	ug/L	10/7/2020	<1					
Bromodichloromethane	75-27-4	ug/L	4/13/2021	<1					
Bromodichloromethane	75-27-4	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/9/2024		<1.00		<1.00		
Bromodichloromethane	75-27-4	ug/L	10/10/2024	<1.00		<1.00		<1.00	
Bromodichloromethane	75-27-4	ug/L	10/14/2024						<1.00
Bromodichloromethane	75-27-4	ug/L	4/25/2025		<1.00				
Bromodichloromethane	75-27-4	ug/L	4/30/2025			<1.00	<1.00		
Bromodichloromethane	75-27-4	ug/L	5/5/2025					<1.00	
Bromodichloromethane	75-27-4	ug/L	5/6/2025	<1.00					
Bromodichloromethane	75-27-4	ug/L	5/8/2025						<1.00
Bromoform	75-25-2	ug/L	2/27/2008	<5	<5				
Bromoform	75-25-2	ug/L	5/12/2008	<5	<5				
Bromoform	75-25-2	ug/L	7/13/2008	<5	<5				
Bromoform	75-25-2	ug/L	9/14/2008	<5	<5				
Bromoform	75-25-2	ug/L	11/17/2008	<5	<5				
Bromoform	75-25-2	ug/L	4/14/2009	<5					
Bromoform	75-25-2	ug/L	10/25/2009	<10					
Bromoform	75-25-2	ug/L	5/10/2010	<20					
Bromoform	75-25-2	ug/L	11/1/2010	<10					
Bromoform	75-25-2	ug/L	8/11/2011			<5			
Bromoform	75-25-2	ug/L	10/13/2011	<5		<5			
Bromoform	75-25-2	ug/L	12/5/2011			<5			
Bromoform	75-25-2	ug/L	4/11/2012	<5		<5	<5		
Bromoform	75-25-2	ug/L	6/25/2012			<5	<5		
Bromoform	75-25-2	ug/L	8/1/2012			<5	<5		
Bromoform	75-25-2	ug/L	10/11/2012	<5		<5	<5		
Bromoform	75-25-2	ug/L	12/13/2012				<5		
Bromoform	75-25-2	ug/L	3/30/2013	<5		<5	<5		
Bromoform	75-25-2	ug/L	10/7/2013				<5		
Bromoform	75-25-2	ug/L	6/2/2014	<5					
Bromoform	75-25-2	ug/L	10/15/2014	<5					
Bromoform	75-25-2	ug/L	4/6/2015	<5					
Bromoform	75-25-2	ug/L	10/5/2015	<5					
Bromoform	75-25-2	ug/L	4/4/2016	<5					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Bromoform	75-25-2	ug/L	10/17/2016	<5					
Bromoform	75-25-2	ug/L	4/17/2017	<5					
Bromoform	75-25-2	ug/L	10/11/2017	<5					
Bromoform	75-25-2	ug/L	4/25/2018	<5					
Bromoform	75-25-2	ug/L	10/16/2018	<5					
Bromoform	75-25-2	ug/L	4/16/2019	<5					
Bromoform	75-25-2	ug/L	10/1/2019	<5					
Bromoform	75-25-2	ug/L	3/30/2020	<5					
Bromoform	75-25-2	ug/L	10/7/2020	<5					
Bromoform	75-25-2	ug/L	4/13/2021	<1					
Bromoform	75-25-2	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Bromoform	75-25-2	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Bromoform	75-25-2	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Bromoform	75-25-2	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/16/2023	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/29/2024	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/9/2024		<5.00		<5.00		
Bromoform	75-25-2	ug/L	10/10/2024	<5.00		<5.00		<5.00	
Bromoform	75-25-2	ug/L	10/14/2024						<5.00
Bromoform	75-25-2	ug/L	4/25/2025		<5.00				
Bromoform	75-25-2	ug/L	4/30/2025			<5.00	<5.00		
Bromoform	75-25-2	ug/L	5/5/2025					<5.00	
Bromoform	75-25-2	ug/L	5/6/2025	<5.00					
Bromoform	75-25-2	ug/L	5/8/2025						<5.00
Bromomethane	74-83-9	ug/L	2/27/2008	<4	<4				
Bromomethane	74-83-9	ug/L	5/12/2008	<4	<4				
Bromomethane	74-83-9	ug/L	7/13/2008	<4	<4				
Bromomethane	74-83-9	ug/L	9/14/2008	<4	<4				
Bromomethane	74-83-9	ug/L	11/17/2008	<4	<4				
Bromomethane	74-83-9	ug/L	4/14/2009	<4					
Bromomethane	74-83-9	ug/L	10/25/2009	<4					
Bromomethane	74-83-9	ug/L	5/10/2010	<5					
Bromomethane	74-83-9	ug/L	11/1/2010	<4					
Bromomethane	74-83-9	ug/L	8/11/2011			<4			
Bromomethane	74-83-9	ug/L	10/13/2011	<4		<4			
Bromomethane	74-83-9	ug/L	12/5/2011			<4			
Bromomethane	74-83-9	ug/L	4/11/2012	<4		<4	<4		
Bromomethane	74-83-9	ug/L	6/25/2012			<4	<4		
Bromomethane	74-83-9	ug/L	8/1/2012			<4	<4		
Bromomethane	74-83-9	ug/L	10/11/2012	<4		<4	<4		
Bromomethane	74-83-9	ug/L	12/13/2012				<4		
Bromomethane	74-83-9	ug/L	3/30/2013	<4		<4	<4		
Bromomethane	74-83-9	ug/L	10/7/2013				<4		
Bromomethane	74-83-9	ug/L	6/2/2014	<4					
Bromomethane	74-83-9	ug/L	10/15/2014	<4					
Bromomethane	74-83-9	ug/L	4/6/2015	<4					
Bromomethane	74-83-9	ug/L	10/5/2015	<4					
Bromomethane	74-83-9	ug/L	4/4/2016	<4					
Bromomethane	74-83-9	ug/L	10/17/2016	<4					
Bromomethane	74-83-9	ug/L	4/17/2017	0.383J; 0.59J					
Bromomethane	74-83-9	ug/L	10/11/2017	<4					
Bromomethane	74-83-9	ug/L	4/25/2018	<4					
Bromomethane	74-83-9	ug/L	10/16/2018	<4					
Bromomethane	74-83-9	ug/L	4/16/2019	<4					
Bromomethane	74-83-9	ug/L	10/1/2019	<4					
Bromomethane	74-83-9	ug/L	3/30/2020	<4					
Bromomethane	74-83-9	ug/L	10/7/2020	<4					
Bromomethane	74-83-9	ug/L	4/13/2021	<1					
Bromomethane	74-83-9	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Bromomethane	74-83-9	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Bromomethane	74-83-9	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Bromomethane	74-83-9	ug/L	5/1/2023	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/16/2023	<4	<4	<4	<4	<4	<4

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Bromomethane	74-83-9	ug/L	4/29/2024	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/9/2024		<4.00		<4.00		
Bromomethane	74-83-9	ug/L	10/10/2024	<4.00		<4.00		<4.00	
Bromomethane	74-83-9	ug/L	10/14/2024						<4.00
Bromomethane	74-83-9	ug/L	4/25/2025		<4.00				
Bromomethane	74-83-9	ug/L	4/30/2025			<4.00	<4.00		
Bromomethane	74-83-9	ug/L	5/5/2025					<4.00	
Bromomethane	74-83-9	ug/L	5/6/2025	<4.00					
Bromomethane	74-83-9	ug/L	5/8/2025						<4.00
Butyl benzyl phthalate	85-68-7	ug/L	4/14/2009	<10					
Butyl benzyl phthalate	85-68-7	ug/L	5/10/2010	<10					
Butyl benzyl phthalate	85-68-7	ug/L	3/30/2013			<10	<10		
Butyl benzyl phthalate	85-68-7	ug/L	10/5/2015	<10					
Butyl benzyl phthalate	85-68-7	ug/L	3/30/2020	<10.4					
Butyl benzyl phthalate	85-68-7	ug/L	4/25/2025		<10.6				
Butyl benzyl phthalate	85-68-7	ug/L	5/6/2025	<10.4					
Cadmium	7440-43-9	mg/L	2/27/2008	<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	5/12/2008	<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	7/13/2008	<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	9/14/2008	<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	11/17/2008	<0.0005	<0.0005				
Cadmium	7440-43-9	mg/L	4/14/2009	<0.0025					
Cadmium	7440-43-9	mg/L	10/25/2009	<0.0025					
Cadmium	7440-43-9	mg/L	5/10/2010	<0.0004					
Cadmium	7440-43-9	mg/L	8/11/2011			<0.0025			
Cadmium	7440-43-9	mg/L	10/13/2011			<0.0005			
Cadmium	7440-43-9	mg/L	12/5/2011			<0.0005			
Cadmium	7440-43-9	mg/L	4/11/2012	<0.0005		<0.0005	<0.0005		
Cadmium	7440-43-9	mg/L	6/25/2012			<0.0005	<0.0005		
Cadmium	7440-43-9	mg/L	8/1/2012			<0.0005	<0.0005		
Cadmium	7440-43-9	mg/L	10/11/2012	<0.0005		<0.0005	<0.0005		
Cadmium	7440-43-9	mg/L	12/13/2012				<0.0005		
Cadmium	7440-43-9	mg/L	3/30/2013	<0.0005		<0.0005	<0.0005		
Cadmium	7440-43-9	mg/L	10/7/2013	<0.0005		<0.0005	<0.0005		
Cadmium	7440-43-9	mg/L	6/2/2014	<0.0005					
Cadmium	7440-43-9	mg/L	10/15/2014	<0.0005					
Cadmium	7440-43-9	mg/L	4/6/2015	<0.0005					
Cadmium	7440-43-9	mg/L	10/5/2015	<0.0005					
Cadmium	7440-43-9	mg/L	4/4/2016	0.000096J					
Cadmium	7440-43-9	mg/L	10/17/2016	<0.0005					
Cadmium	7440-43-9	mg/L	4/17/2017	<0.0005					
Cadmium	7440-43-9	mg/L	10/11/2017	<0.0005					
Cadmium	7440-43-9	mg/L	4/25/2018	<0.0005					
Cadmium	7440-43-9	mg/L	10/16/2018	<0.0005					
Cadmium	7440-43-9	mg/L	4/16/2019	<0.0005					
Cadmium	7440-43-9	mg/L	10/1/2019	<0.0001					
Cadmium	7440-43-9	mg/L	3/30/2020	<0.0001					
Cadmium	7440-43-9	mg/L	10/7/2020	<0.0001					
Cadmium	7440-43-9	mg/L	4/13/2021	<0.0008					
Cadmium	7440-43-9	mg/L	10/20/2021	0.0001J	0.0001J	<0.0008	0.0002J	0.0002J	<0.0008
Cadmium	7440-43-9	mg/L	5/2/2022	<0.0008	<0.0008	<0.0008	<0.0008	0.0001J	<0.0008
Cadmium	7440-43-9	mg/L	10/14/2022	<0.0008	<0.0008	<0.0008	<0.0008	0.0008	<0.0008
Cadmium	7440-43-9	mg/L	5/1/2023	<0.0002	<0.0002	<0.0002	<0.0002	0.000138J	<0.0002
Cadmium	7440-43-9	mg/L	10/16/2023	<0.0002	<0.0002	<0.0002	<0.0002	0.000246	<0.0002
Cadmium	7440-43-9	mg/L	4/29/2024	<0.0002	0.000334	<0.0002	<0.0002	0.00015J	<0.0002
Cadmium	7440-43-9	mg/L	10/9/2024		0.000166J		<0.000200		
Cadmium	7440-43-9	mg/L	10/10/2024	<0.000200		<0.000200		0.000359	
Cadmium	7440-43-9	mg/L	10/14/2024						<0.000200
Cadmium	7440-43-9	mg/L	4/25/2025		<0.000200				
Cadmium	7440-43-9	mg/L	4/30/2025			<0.000200	<0.000200		
Cadmium	7440-43-9	mg/L	5/5/2025					0.000131	
Cadmium	7440-43-9	mg/L	5/6/2025	<0.000200					
Cadmium	7440-43-9	mg/L	5/8/2025						<0.000200

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Calcium	7440-70-2	mg/L	6/2/2014	131; 135					
Calcium	7440-70-2	mg/L	10/15/2014	145		62.4			
Carbon Disulfide	75-15-0	ug/L	2/27/2008	<1	<1				
Carbon Disulfide	75-15-0	ug/L	5/12/2008	<1	<1				
Carbon Disulfide	75-15-0	ug/L	7/13/2008	<1	<1				
Carbon Disulfide	75-15-0	ug/L	9/14/2008	<1	<1				
Carbon Disulfide	75-15-0	ug/L	11/17/2008	<1	<1				
Carbon Disulfide	75-15-0	ug/L	4/14/2009	<1					
Carbon Disulfide	75-15-0	ug/L	10/25/2009	<5					
Carbon Disulfide	75-15-0	ug/L	5/10/2010	<1					
Carbon Disulfide	75-15-0	ug/L	11/1/2010	<1					
Carbon Disulfide	75-15-0	ug/L	8/11/2011			<1			
Carbon Disulfide	75-15-0	ug/L	10/13/2011	<1		<1			
Carbon Disulfide	75-15-0	ug/L	12/5/2011			<1			
Carbon Disulfide	75-15-0	ug/L	4/11/2012	<1		<1	<1		
Carbon Disulfide	75-15-0	ug/L	6/25/2012			<1	<1		
Carbon Disulfide	75-15-0	ug/L	8/1/2012			<1	<1		
Carbon Disulfide	75-15-0	ug/L	10/11/2012	<1		<1	<1		
Carbon Disulfide	75-15-0	ug/L	12/13/2012				<1		
Carbon Disulfide	75-15-0	ug/L	3/30/2013	<1		<1	<1		
Carbon Disulfide	75-15-0	ug/L	10/7/2013				<1		
Carbon Disulfide	75-15-0	ug/L	6/2/2014	<1					
Carbon Disulfide	75-15-0	ug/L	10/15/2014	<1					
Carbon Disulfide	75-15-0	ug/L	4/6/2015	<1					
Carbon Disulfide	75-15-0	ug/L	10/5/2015	<1					
Carbon Disulfide	75-15-0	ug/L	4/4/2016	<1					
Carbon Disulfide	75-15-0	ug/L	10/17/2016	<1					
Carbon Disulfide	75-15-0	ug/L	4/17/2017	<1					
Carbon Disulfide	75-15-0	ug/L	10/11/2017	<1					
Carbon Disulfide	75-15-0	ug/L	4/25/2018	<1					
Carbon Disulfide	75-15-0	ug/L	10/16/2018	<1					
Carbon Disulfide	75-15-0	ug/L	4/16/2019	<1					
Carbon Disulfide	75-15-0	ug/L	10/1/2019	<1					
Carbon Disulfide	75-15-0	ug/L	3/30/2020	<1					
Carbon Disulfide	75-15-0	ug/L	10/7/2020	<1					
Carbon Disulfide	75-15-0	ug/L	4/13/2021	<1					
Carbon Disulfide	75-15-0	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	ug/L	2/27/2008	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	5/12/2008	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	7/13/2008	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	9/14/2008	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	11/17/2008	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	4/14/2009	<2					
Carbon Tetrachloride	56-23-5	ug/L	10/25/2009	<2					
Carbon Tetrachloride	56-23-5	ug/L	5/10/2010	<4					
Carbon Tetrachloride	56-23-5	ug/L	11/1/2010	<5					
Carbon Tetrachloride	56-23-5	ug/L	8/11/2011			<2			
Carbon Tetrachloride	56-23-5	ug/L	10/13/2011	<2		<2			
Carbon Tetrachloride	56-23-5	ug/L	12/5/2011			<2			
Carbon Tetrachloride	56-23-5	ug/L	4/11/2012	<2		<2	<2		
Carbon Tetrachloride	56-23-5	ug/L	6/25/2012			<2	<2		
Carbon Tetrachloride	56-23-5	ug/L	8/1/2012			<2	<2		
Carbon Tetrachloride	56-23-5	ug/L	10/11/2012	<2		<2	<2		
Carbon Tetrachloride	56-23-5	ug/L	12/13/2012				<2		
Carbon Tetrachloride	56-23-5	ug/L	3/30/2013	7.84		<2	<2		
Carbon Tetrachloride	56-23-5	ug/L	10/7/2013				<2		
Carbon Tetrachloride	56-23-5	ug/L	6/2/2014	<2					
Carbon Tetrachloride	56-23-5	ug/L	10/15/2014	<2					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Carbon Tetrachloride	56-23-5	ug/L	4/6/2015	<2					
Carbon Tetrachloride	56-23-5	ug/L	10/5/2015	<2					
Carbon Tetrachloride	56-23-5	ug/L	4/4/2016	<2					
Carbon Tetrachloride	56-23-5	ug/L	10/17/2016	<2					
Carbon Tetrachloride	56-23-5	ug/L	4/17/2017	<2					
Carbon Tetrachloride	56-23-5	ug/L	10/11/2017	<2					
Carbon Tetrachloride	56-23-5	ug/L	4/25/2018	<2					
Carbon Tetrachloride	56-23-5	ug/L	10/16/2018	<2					
Carbon Tetrachloride	56-23-5	ug/L	4/16/2019	<2					
Carbon Tetrachloride	56-23-5	ug/L	10/1/2019	<2					
Carbon Tetrachloride	56-23-5	ug/L	3/30/2020	<2					
Carbon Tetrachloride	56-23-5	ug/L	10/7/2020	<2					
Carbon Tetrachloride	56-23-5	ug/L	4/13/2021	<1					
Carbon Tetrachloride	56-23-5	ug/L	10/20/2021	<1	<1	<1	0.4J	<1	<1
Carbon Tetrachloride	56-23-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	ug/L	10/14/2022	0.4J	<1	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	ug/L	5/1/2023	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/16/2023	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/29/2024	<2	<2	<2	<2	<2	<2
Carbon disulfide	75-15-0	ug/L	10/9/2024		<1.00		<1.00		
Carbon disulfide	75-15-0	ug/L	10/10/2024	<1.00		<1.00		<1.00	
Carbon disulfide	75-15-0	ug/L	10/14/2024						<1.00
Carbon disulfide	75-15-0	ug/L	4/25/2025		<1.00				
Carbon disulfide	75-15-0	ug/L	4/30/2025			<1.00	<1.00		
Carbon disulfide	75-15-0	ug/L	5/5/2025					<1.00	
Carbon disulfide	75-15-0	ug/L	5/6/2025	<1.00					
Carbon disulfide	75-15-0	ug/L	5/8/2025						<1.00
Carbon tetrachloride	56-23-5	ug/L	10/9/2024		<2.00		<2.00		
Carbon tetrachloride	56-23-5	ug/L	10/10/2024	<2.00		<2.00		<2.00	
Carbon tetrachloride	56-23-5	ug/L	10/14/2024						<2.00
Carbon tetrachloride	56-23-5	ug/L	4/25/2025		<2.00				
Carbon tetrachloride	56-23-5	ug/L	4/30/2025			<2.00	<2.00		
Carbon tetrachloride	56-23-5	ug/L	5/5/2025					<2.00	
Carbon tetrachloride	56-23-5	ug/L	5/6/2025	<2.00					
Carbon tetrachloride	56-23-5	ug/L	5/8/2025						<2.00
Carbonate	CARB	mg/L	6/2/2014	<5					
Carbonate	CARB	mg/L	10/15/2014	<5		<5			
Chlordane	57-74-9	ug/L	4/14/2009	<2					
Chlordane	57-74-9	ug/L	5/10/2010	<2					
Chlordane	57-74-9	ug/L	3/30/2013			<2	<2		
Chlordane	57-74-9	ug/L	10/5/2015	<2					
Chlordane	57-74-9	ug/L	3/30/2020	<2.08					
Chlordane (technical)	12789-03-6	ug/L	4/25/2025		<1.93				
Chlordane (technical)	12789-03-6	ug/L	5/6/2025	<1.81					
Chloride	16887-00-6	mg/L	6/2/2014	10.5					
Chloride	16887-00-6	mg/L	10/15/2014	14.8		15.7			
Chlorobenzene	108-90-7	ug/L	2/27/2008	<1	<1				
Chlorobenzene	108-90-7	ug/L	5/12/2008	<1	<1				
Chlorobenzene	108-90-7	ug/L	7/13/2008	<1	<1				
Chlorobenzene	108-90-7	ug/L	9/14/2008	<1	<1				
Chlorobenzene	108-90-7	ug/L	11/17/2008	<1	<1				
Chlorobenzene	108-90-7	ug/L	4/14/2009	<1					
Chlorobenzene	108-90-7	ug/L	10/25/2009	<2					
Chlorobenzene	108-90-7	ug/L	5/10/2010	<1					
Chlorobenzene	108-90-7	ug/L	11/1/2010	<1					
Chlorobenzene	108-90-7	ug/L	8/11/2011			<1			
Chlorobenzene	108-90-7	ug/L	10/13/2011	<1		<1			
Chlorobenzene	108-90-7	ug/L	12/5/2011			<1			
Chlorobenzene	108-90-7	ug/L	4/11/2012	<1		<1	<1		
Chlorobenzene	108-90-7	ug/L	6/25/2012			<1	<1		
Chlorobenzene	108-90-7	ug/L	8/1/2012			<1	<1		
Chlorobenzene	108-90-7	ug/L	10/11/2012	<1		<1	<1		
Chlorobenzene	108-90-7	ug/L	12/13/2012				<1		

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Chlorobenzene	108-90-7	ug/L	3/30/2013	<1		<1	<1		
Chlorobenzene	108-90-7	ug/L	10/7/2013				<1		
Chlorobenzene	108-90-7	ug/L	6/2/2014	<1					
Chlorobenzene	108-90-7	ug/L	10/15/2014	<1					
Chlorobenzene	108-90-7	ug/L	4/6/2015	<1					
Chlorobenzene	108-90-7	ug/L	10/5/2015	<1					
Chlorobenzene	108-90-7	ug/L	4/4/2016	<1					
Chlorobenzene	108-90-7	ug/L	10/17/2016	<1					
Chlorobenzene	108-90-7	ug/L	4/17/2017	<1					
Chlorobenzene	108-90-7	ug/L	10/11/2017	<1					
Chlorobenzene	108-90-7	ug/L	4/25/2018	<1					
Chlorobenzene	108-90-7	ug/L	10/16/2018	<1					
Chlorobenzene	108-90-7	ug/L	4/16/2019	<1					
Chlorobenzene	108-90-7	ug/L	10/1/2019	<1					
Chlorobenzene	108-90-7	ug/L	3/30/2020	<1					
Chlorobenzene	108-90-7	ug/L	10/7/2020	<1					
Chlorobenzene	108-90-7	ug/L	4/13/2021	<1					
Chlorobenzene	108-90-7	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/9/2024		<1.00		<1.00		
Chlorobenzene	108-90-7	ug/L	10/10/2024	<1.00		<1.00		<1.00	
Chlorobenzene	108-90-7	ug/L	10/14/2024						<1.00
Chlorobenzene	108-90-7	ug/L	4/25/2025		<1.00				
Chlorobenzene	108-90-7	ug/L	4/30/2025			<1.00	<1.00		
Chlorobenzene	108-90-7	ug/L	5/5/2025					<1.00	
Chlorobenzene	108-90-7	ug/L	5/6/2025	<1.00					
Chlorobenzene	108-90-7	ug/L	5/8/2025						<1.00
Chlorobenzilate	510-15-6	ug/L	4/14/2009	<10					
Chlorobenzilate	510-15-6	ug/L	5/10/2010	<10					
Chlorobenzilate	510-15-6	ug/L	3/30/2013			<10	<10		
Chlorobenzilate	510-15-6	ug/L	10/5/2015	<10					
Chlorobenzilate	510-15-6	ug/L	3/30/2020	<10.4					
Chlorobenzilate	510-15-6	ug/L	4/25/2025		<10.6				
Chlorobenzilate	510-15-6	ug/L	5/6/2025	<10.4					
Chlorodibromomethane	124-48-1	ug/L	2/27/2008	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	5/12/2008	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	7/13/2008	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	9/14/2008	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	11/17/2008	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	4/14/2009	<5					
Chlorodibromomethane	124-48-1	ug/L	10/25/2009	<5					
Chlorodibromomethane	124-48-1	ug/L	5/10/2010	<10					
Chlorodibromomethane	124-48-1	ug/L	11/1/2010	<5					
Chlorodibromomethane	124-48-1	ug/L	8/11/2011			<5			
Chlorodibromomethane	124-48-1	ug/L	10/13/2011	<5		<5			
Chlorodibromomethane	124-48-1	ug/L	12/5/2011			<5			
Chlorodibromomethane	124-48-1	ug/L	4/11/2012	<5		<5	<5		
Chlorodibromomethane	124-48-1	ug/L	6/25/2012			<5	<5		
Chlorodibromomethane	124-48-1	ug/L	8/1/2012			<5	<5		
Chlorodibromomethane	124-48-1	ug/L	10/11/2012	<5		<5	<5		
Chlorodibromomethane	124-48-1	ug/L	12/13/2012				<5		
Chlorodibromomethane	124-48-1	ug/L	3/30/2013	<5		<5	<5		
Chlorodibromomethane	124-48-1	ug/L	10/7/2013				<5		
Chlorodibromomethane	124-48-1	ug/L	6/2/2014	<5					
Chlorodibromomethane	124-48-1	ug/L	10/15/2014	<5					
Chlorodibromomethane	124-48-1	ug/L	4/6/2015	<5					
Chlorodibromomethane	124-48-1	ug/L	10/5/2015	<5					
Chlorodibromomethane	124-48-1	ug/L	4/4/2016	<5					
Chlorodibromomethane	124-48-1	ug/L	10/17/2016	<5					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Chlorodibromomethane	124-48-1	ug/L	4/17/2017	<5					
Chlorodibromomethane	124-48-1	ug/L	10/11/2017	<5					
Chlorodibromomethane	124-48-1	ug/L	4/25/2018	<5					
Chlorodibromomethane	124-48-1	ug/L	10/16/2018	<5					
Chlorodibromomethane	124-48-1	ug/L	4/16/2019	<5					
Chlorodibromomethane	124-48-1	ug/L	10/1/2019	<5					
Chlorodibromomethane	124-48-1	ug/L	3/30/2020	<5					
Chlorodibromomethane	124-48-1	ug/L	10/7/2020	<5					
Chlorodibromomethane	124-48-1	ug/L	4/13/2021	<1					
Chlorodibromomethane	124-48-1	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Chlorodibromomethane	124-48-1	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Chlorodibromomethane	124-48-1	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Chlorodibromomethane	124-48-1	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/16/2023	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/29/2024	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/9/2024		<5.00		<5.00		
Chlorodibromomethane	124-48-1	ug/L	10/10/2024	<5.00		<5.00		<5.00	
Chlorodibromomethane	124-48-1	ug/L	10/14/2024						<5.00
Chlorodibromomethane	124-48-1	ug/L	4/25/2025		<5.00				
Chlorodibromomethane	124-48-1	ug/L	4/30/2025			<5.00	<5.00		
Chlorodibromomethane	124-48-1	ug/L	5/5/2025					<5.00	
Chlorodibromomethane	124-48-1	ug/L	5/6/2025	<5.00					
Chlorodibromomethane	124-48-1	ug/L	5/8/2025						<5.00
Chloroethane	75-00-3	ug/L	2/27/2008	<4	<4				
Chloroethane	75-00-3	ug/L	5/12/2008	<4	<4				
Chloroethane	75-00-3	ug/L	7/13/2008	<4	<4				
Chloroethane	75-00-3	ug/L	9/14/2008	<4	<4				
Chloroethane	75-00-3	ug/L	11/17/2008	<4	<4				
Chloroethane	75-00-3	ug/L	4/14/2009	<4					
Chloroethane	75-00-3	ug/L	10/25/2009	<4					
Chloroethane	75-00-3	ug/L	5/10/2010	<4					
Chloroethane	75-00-3	ug/L	11/1/2010	<4					
Chloroethane	75-00-3	ug/L	8/11/2011			<4			
Chloroethane	75-00-3	ug/L	10/13/2011	<4		<4			
Chloroethane	75-00-3	ug/L	12/5/2011			<4			
Chloroethane	75-00-3	ug/L	4/11/2012	<4		<4	<4		
Chloroethane	75-00-3	ug/L	6/25/2012			<4	<4		
Chloroethane	75-00-3	ug/L	8/1/2012			<4	<4		
Chloroethane	75-00-3	ug/L	10/11/2012	<4		<4	<4		
Chloroethane	75-00-3	ug/L	12/13/2012				<4		
Chloroethane	75-00-3	ug/L	3/30/2013	<4		<4	<4		
Chloroethane	75-00-3	ug/L	10/7/2013				<4		
Chloroethane	75-00-3	ug/L	6/2/2014	<4					
Chloroethane	75-00-3	ug/L	10/15/2014	<4					
Chloroethane	75-00-3	ug/L	4/6/2015	<4					
Chloroethane	75-00-3	ug/L	10/5/2015	<4					
Chloroethane	75-00-3	ug/L	4/4/2016	<4					
Chloroethane	75-00-3	ug/L	10/17/2016	<4					
Chloroethane	75-00-3	ug/L	4/17/2017	<4					
Chloroethane	75-00-3	ug/L	10/11/2017	<4					
Chloroethane	75-00-3	ug/L	4/25/2018	<4					
Chloroethane	75-00-3	ug/L	10/16/2018	<4					
Chloroethane	75-00-3	ug/L	4/16/2019	<4					
Chloroethane	75-00-3	ug/L	10/1/2019	<4					
Chloroethane	75-00-3	ug/L	3/30/2020	<4					
Chloroethane	75-00-3	ug/L	10/7/2020	<4					
Chloroethane	75-00-3	ug/L	4/13/2021	<1					
Chloroethane	75-00-3	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Chloroethane	75-00-3	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Chloroethane	75-00-3	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Chloroethane	75-00-3	ug/L	5/1/2023	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/16/2023	<4	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/29/2024	<4	<4	<4	<4	<4	<4

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Chloroethane	75-00-3	ug/L	10/9/2024		<4.00		<4.00		
Chloroethane	75-00-3	ug/L	10/10/2024	<4.00		<4.00		<4.00	
Chloroethane	75-00-3	ug/L	10/14/2024						<4.00
Chloroethane	75-00-3	ug/L	4/25/2025		<4.00				
Chloroethane	75-00-3	ug/L	4/30/2025			<4.00	<4.00		
Chloroethane	75-00-3	ug/L	5/5/2025					<4.00	
Chloroethane	75-00-3	ug/L	5/6/2025	<4.00					
Chloroethane	75-00-3	ug/L	5/8/2025						<4.00
Chloroform	67-66-3	ug/L	2/27/2008	<1	<1				
Chloroform	67-66-3	ug/L	5/12/2008	<1	<1				
Chloroform	67-66-3	ug/L	7/13/2008	<1	<1				
Chloroform	67-66-3	ug/L	9/14/2008	<1	<1				
Chloroform	67-66-3	ug/L	11/17/2008	<1	<1				
Chloroform	67-66-3	ug/L	4/14/2009	<1					
Chloroform	67-66-3	ug/L	10/25/2009	<2					
Chloroform	67-66-3	ug/L	5/10/2010	<1					
Chloroform	67-66-3	ug/L	11/1/2010	<1					
Chloroform	67-66-3	ug/L	8/11/2011			<1			
Chloroform	67-66-3	ug/L	10/13/2011	<1		<1			
Chloroform	67-66-3	ug/L	12/5/2011			<1			
Chloroform	67-66-3	ug/L	4/11/2012	<1		<1	<1		
Chloroform	67-66-3	ug/L	6/25/2012			<1	<1		
Chloroform	67-66-3	ug/L	8/1/2012			<1	<1		
Chloroform	67-66-3	ug/L	10/11/2012	<1		<1	<1		
Chloroform	67-66-3	ug/L	12/13/2012				<1		
Chloroform	67-66-3	ug/L	3/30/2013	<1		<1	<1		
Chloroform	67-66-3	ug/L	10/7/2013				<1		
Chloroform	67-66-3	ug/L	6/2/2014	<1					
Chloroform	67-66-3	ug/L	10/15/2014	<1					
Chloroform	67-66-3	ug/L	4/6/2015	<1					
Chloroform	67-66-3	ug/L	10/5/2015	<1					
Chloroform	67-66-3	ug/L	4/4/2016	<1					
Chloroform	67-66-3	ug/L	10/17/2016	<1					
Chloroform	67-66-3	ug/L	4/17/2017	<1					
Chloroform	67-66-3	ug/L	10/11/2017	<1					
Chloroform	67-66-3	ug/L	4/25/2018	<1					
Chloroform	67-66-3	ug/L	10/16/2018	<3					
Chloroform	67-66-3	ug/L	4/16/2019	<3					
Chloroform	67-66-3	ug/L	10/1/2019	<3					
Chloroform	67-66-3	ug/L	3/30/2020	<3					
Chloroform	67-66-3	ug/L	10/7/2020	<3					
Chloroform	67-66-3	ug/L	4/13/2021	<1					
Chloroform	67-66-3	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	5/1/2023	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	10/16/2023	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	4/29/2024	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	10/9/2024		<3.00		<3.00		
Chloroform	67-66-3	ug/L	10/10/2024	<3.00		<3.00		<3.00	
Chloroform	67-66-3	ug/L	10/14/2024						<3.00
Chloroform	67-66-3	ug/L	4/25/2025		<3.00				
Chloroform	67-66-3	ug/L	4/30/2025			<3.00	<3.00		
Chloroform	67-66-3	ug/L	5/5/2025					<3.00	
Chloroform	67-66-3	ug/L	5/6/2025	<3.00					
Chloroform	67-66-3	ug/L	5/8/2025						<3.00
Chloromethane	74-87-3	ug/L	2/27/2008	<3	<3				
Chloromethane	74-87-3	ug/L	5/12/2008	<3	<3				
Chloromethane	74-87-3	ug/L	7/13/2008	<3	<3				
Chloromethane	74-87-3	ug/L	9/14/2008	<3	<3				
Chloromethane	74-87-3	ug/L	11/17/2008	<3	<3				
Chloromethane	74-87-3	ug/L	4/14/2009	<3					
Chloromethane	74-87-3	ug/L	10/25/2009	<3					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Chloromethane	74-87-3	ug/L	5/10/2010	<3					
Chloromethane	74-87-3	ug/L	11/1/2010	<3					
Chloromethane	74-87-3	ug/L	8/11/2011			<3			
Chloromethane	74-87-3	ug/L	10/13/2011	<3		<3			
Chloromethane	74-87-3	ug/L	12/5/2011			<3			
Chloromethane	74-87-3	ug/L	4/11/2012	<3		<3	<3		
Chloromethane	74-87-3	ug/L	6/25/2012			<3	<3		
Chloromethane	74-87-3	ug/L	8/1/2012			<3	<3		
Chloromethane	74-87-3	ug/L	10/11/2012	<3		<3	<3		
Chloromethane	74-87-3	ug/L	12/13/2012				<3		
Chloromethane	74-87-3	ug/L	3/30/2013	<3		<3	<3		
Chloromethane	74-87-3	ug/L	10/7/2013				<3		
Chloromethane	74-87-3	ug/L	6/2/2014	<3					
Chloromethane	74-87-3	ug/L	10/15/2014	<3					
Chloromethane	74-87-3	ug/L	4/6/2015	<3					
Chloromethane	74-87-3	ug/L	10/5/2015	<3					
Chloromethane	74-87-3	ug/L	4/4/2016	<3					
Chloromethane	74-87-3	ug/L	10/17/2016	<3					
Chloromethane	74-87-3	ug/L	4/17/2017	<3					
Chloromethane	74-87-3	ug/L	10/11/2017	<3					
Chloromethane	74-87-3	ug/L	4/25/2018	<3					
Chloromethane	74-87-3	ug/L	10/16/2018	<3					
Chloromethane	74-87-3	ug/L	4/16/2019	<3					
Chloromethane	74-87-3	ug/L	10/1/2019	<3					
Chloromethane	74-87-3	ug/L	3/30/2020	<3					
Chloromethane	74-87-3	ug/L	10/7/2020	<3					
Chloromethane	74-87-3	ug/L	4/13/2021	<1					
Chloromethane	74-87-3	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Chloromethane	74-87-3	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Chloromethane	74-87-3	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Chloromethane	74-87-3	ug/L	5/1/2023	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/16/2023	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/29/2024	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/9/2024		<3.00		<3.00		
Chloromethane	74-87-3	ug/L	10/10/2024	<3.00		<3.00		<3.00	
Chloromethane	74-87-3	ug/L	10/14/2024						<3.00
Chloromethane	74-87-3	ug/L	4/25/2025		<3.00				
Chloromethane	74-87-3	ug/L	4/30/2025			<3.00	<3.00		
Chloromethane	74-87-3	ug/L	5/5/2025					<3.00	
Chloromethane	74-87-3	ug/L	5/6/2025	<3.00					
Chloromethane	74-87-3	ug/L	5/8/2025						<3.00
Chloroprene	126-99-8	ug/L	4/14/2009	<1					
Chloroprene	126-99-8	ug/L	5/10/2010	<1					
Chloroprene	126-99-8	ug/L	3/30/2013			<1	<1		
Chloroprene	126-99-8	ug/L	10/5/2015	<1					
Chloroprene	126-99-8	ug/L	3/30/2020	<1					
Chloroprene	126-99-8	ug/L	4/25/2025		<1.00				
Chloroprene	126-99-8	ug/L	5/6/2025	<1.00					
Chromium	7440-47-3	mg/L	2/27/2008	<0.1	<0.1				
Chromium	7440-47-3	mg/L	5/12/2008	<0.1	<0.1				
Chromium	7440-47-3	mg/L	7/13/2008	<0.1	<0.1				
Chromium	7440-47-3	mg/L	9/14/2008	<0.1	<0.1				
Chromium	7440-47-3	mg/L	11/17/2008	<0.02	<0.02				
Chromium	7440-47-3	mg/L	4/14/2009	<0.1					
Chromium	7440-47-3	mg/L	10/25/2009	<0.1					
Chromium	7440-47-3	mg/L	5/10/2010	<0.02					
Chromium	7440-47-3	mg/L	8/11/2011			<0.1			
Chromium	7440-47-3	mg/L	10/13/2011			<0.02			
Chromium	7440-47-3	mg/L	12/5/2011			<0.02			
Chromium	7440-47-3	mg/L	4/11/2012	<0.02		<0.02	<0.02		
Chromium	7440-47-3	mg/L	6/25/2012			<0.02	<0.02		
Chromium	7440-47-3	mg/L	8/1/2012			<0.02	<0.02		
Chromium	7440-47-3	mg/L	10/11/2012	<0.02		<0.02	<0.02		

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Chromium	7440-47-3	mg/L	12/13/2012				<0.02		
Chromium	7440-47-3	mg/L	3/30/2013	<0.02		<0.02	<0.02		
Chromium	7440-47-3	mg/L	10/7/2013	<0.02		<0.02	<0.02		
Chromium	7440-47-3	mg/L	6/2/2014	<0.02					
Chromium	7440-47-3	mg/L	10/15/2014	<0.02					
Chromium	7440-47-3	mg/L	4/6/2015	<0.005					
Chromium	7440-47-3	mg/L	10/5/2015	<0.005					
Chromium	7440-47-3	mg/L	4/4/2016	<0.005					
Chromium	7440-47-3	mg/L	10/17/2016	<0.005					
Chromium	7440-47-3	mg/L	4/17/2017	<0.005					
Chromium	7440-47-3	mg/L	10/11/2017	<0.005					
Chromium	7440-47-3	mg/L	4/25/2018	<0.005					
Chromium	7440-47-3	mg/L	10/16/2018	<0.005					
Chromium	7440-47-3	mg/L	4/16/2019	<0.005					
Chromium	7440-47-3	mg/L	10/1/2019	<0.005					
Chromium	7440-47-3	mg/L	3/30/2020	<0.005					
Chromium	7440-47-3	mg/L	10/7/2020	<0.005					
Chromium	7440-47-3	mg/L	4/13/2021	<0.008					
Chromium	7440-47-3	mg/L	10/20/2021	<0.008	<0.008	<0.008	0.0006J	<0.008	<0.008
Chromium	7440-47-3	mg/L	5/2/2022	0.001J; 0.0006J	<0.008	<0.008	<0.008	<0.008	<0.008
Chromium	7440-47-3	mg/L	10/14/2022	<0.008	<0.008	<0.008	<0.008	0.0018J	<0.008
Chromium	7440-47-3	mg/L	5/1/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/16/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	4/29/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/9/2024		<0.00500		0.00607		
Chromium	7440-47-3	mg/L	10/10/2024	<0.00500		<0.00500		<0.00500	
Chromium	7440-47-3	mg/L	10/14/2024						<0.00500
Chromium	7440-47-3	mg/L	4/25/2025		<0.00500				
Chromium	7440-47-3	mg/L	4/30/2025			<0.00500	<0.00500		
Chromium	7440-47-3	mg/L	5/5/2025					<0.00500	
Chromium	7440-47-3	mg/L	5/6/2025	<0.00500					
Chromium	7440-47-3	mg/L	5/8/2025						<0.00500
Chrysene	218-01-9	ug/L	4/14/2009	<10					
Chrysene	218-01-9	ug/L	5/10/2010	<10					
Chrysene	218-01-9	ug/L	3/30/2013			<10	<10		
Chrysene	218-01-9	ug/L	10/5/2015	<10					
Chrysene	218-01-9	ug/L	3/30/2020	<10.4					
Chrysene	218-01-9	ug/L	4/25/2025		<10.6				
Chrysene	218-01-9	ug/L	5/6/2025	<10.4					
Cobalt	7440-48-4	mg/L	2/27/2008	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	5/12/2008	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	7/13/2008	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	9/14/2008	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	11/17/2008	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	4/14/2009	<0.02					
Cobalt	7440-48-4	mg/L	10/25/2009	<0.02					
Cobalt	7440-48-4	mg/L	5/10/2010	<0.02					
Cobalt	7440-48-4	mg/L	11/1/2010	<0.02					
Cobalt	7440-48-4	mg/L	8/11/2011			<0.02			
Cobalt	7440-48-4	mg/L	10/13/2011			<0.02			
Cobalt	7440-48-4	mg/L	12/5/2011			0.00415			
Cobalt	7440-48-4	mg/L	2/6/2012			<0.02			
Cobalt	7440-48-4	mg/L	4/11/2012	<0.02		<0.02	<0.02		
Cobalt	7440-48-4	mg/L	6/25/2012			<0.02	<0.02		
Cobalt	7440-48-4	mg/L	8/1/2012			<0.02	<0.02		
Cobalt	7440-48-4	mg/L	10/11/2012	0.00417		0.00173	<0.02		
Cobalt	7440-48-4	mg/L	12/13/2012				<0.00155		
Cobalt	7440-48-4	mg/L	3/30/2013	0.00223		<0.00132	0.00173		
Cobalt	7440-48-4	mg/L	10/7/2013	<0.007		<0.007	<0.007		
Cobalt	7440-48-4	mg/L	6/2/2014	<0.00241					
Cobalt	7440-48-4	mg/L	10/15/2014	<0.00241					
Cobalt	7440-48-4	mg/L	4/6/2015	0.000117J		0.000073J			
Cobalt	7440-48-4	mg/L	10/5/2015	0.000104J		0.000087J			

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Cobalt	7440-48-4	mg/L	4/4/2016	0.000115J		0.000162J			
Cobalt	7440-48-4	mg/L	10/17/2016	0.000082J		0.000142J			
Cobalt	7440-48-4	mg/L	4/17/2017	0.000073J; 0.000064J		0.000053J			
Cobalt	7440-48-4	mg/L	10/11/2017	0.00006J		0.000136J			
Cobalt	7440-48-4	mg/L	4/25/2018	0.0002J		<0.0005			
Cobalt	7440-48-4	mg/L	10/16/2018	<0.001		0.000123J			
Cobalt	7440-48-4	mg/L	4/16/2019	<0.0005; 0.000106J		0.000104J			
Cobalt	7440-48-4	mg/L	10/1/2019	<0.0005		<0.0005			0.000622
Cobalt	7440-48-4	mg/L	3/30/2020	<0.0005		0.000106J			0.00121
Cobalt	7440-48-4	mg/L	10/7/2020	<0.0005		<0.0005			0.00255
Cobalt	7440-48-4	mg/L	4/13/2021	<0.0004		<0.0004			0.0009
Cobalt	7440-48-4	mg/L	10/20/2021	0.0001J	<0.0004	0.0002J	0.0016	0.0004	0.002
Cobalt	7440-48-4	mg/L	5/2/2022	<0.0004; 0.0004	<0.0004	0.0003J	<0.0004	0.0003J	0.0006
Cobalt	7440-48-4	mg/L	10/14/2022	<0.0004	0.0016J	0.0062	0.0029	0.0189	0.0009
Cobalt	7440-48-4	mg/L	5/1/2023	0.000216J	<0.0005	<0.0005	<0.0005	<0.0005	0.0003J
Cobalt	7440-48-4	mg/L	10/16/2023	<0.0005	<0.0005	<0.0005	<0.0005	0.00109	0.000393J
Cobalt	7440-48-4	mg/L	4/29/2024	0.000348J	0.000299J	<0.0005	<0.0005	0.000179J	0.000273J
Cobalt	7440-48-4	mg/L	10/9/2024		<0.000500		0.000318J		
Cobalt	7440-48-4	mg/L	10/10/2024	<0.000500		<0.000500		0.000490J	
Cobalt	7440-48-4	mg/L	10/14/2024						0.000299J
Cobalt	7440-48-4	mg/L	4/25/2025		<0.000500				
Cobalt	7440-48-4	mg/L	4/30/2025			<0.000500	<0.000500		
Cobalt	7440-48-4	mg/L	5/5/2025					<0.000500	
Cobalt	7440-48-4	mg/L	5/6/2025	0.000353					
Cobalt	7440-48-4	mg/L	5/8/2025						<0.000500
Copper	7440-50-8	mg/L	2/27/2008	0.028	0.029				
Copper	7440-50-8	mg/L	5/12/2008	<0.025	0.037				
Copper	7440-50-8	mg/L	7/13/2008	<0.025	<0.025				
Copper	7440-50-8	mg/L	9/14/2008	<0.025	<0.025				
Copper	7440-50-8	mg/L	11/17/2008	<0.02	<0.02				
Copper	7440-50-8	mg/L	4/14/2009	<0.025					
Copper	7440-50-8	mg/L	10/25/2009	<0.025					
Copper	7440-50-8	mg/L	5/10/2010	<0.02					
Copper	7440-50-8	mg/L	8/11/2011			<0.025			
Copper	7440-50-8	mg/L	10/13/2011			<0.02			
Copper	7440-50-8	mg/L	12/5/2011			<0.02			
Copper	7440-50-8	mg/L	4/11/2012	<0.02		<0.02	<0.02		
Copper	7440-50-8	mg/L	6/25/2012			<0.02	<0.02		
Copper	7440-50-8	mg/L	8/1/2012			<0.02	<0.02		
Copper	7440-50-8	mg/L	10/11/2012	<0.02		<0.02	<0.02		
Copper	7440-50-8	mg/L	12/13/2012				<0.02		
Copper	7440-50-8	mg/L	3/30/2013	<0.02		<0.02	<0.02		
Copper	7440-50-8	mg/L	10/7/2013	<0.02		<0.02	<0.02		
Copper	7440-50-8	mg/L	6/2/2014	<0.02					
Copper	7440-50-8	mg/L	10/15/2014	<0.02					
Copper	7440-50-8	mg/L	4/6/2015	<0.002					
Copper	7440-50-8	mg/L	10/5/2015	<0.002					
Copper	7440-50-8	mg/L	4/4/2016	<0.005					
Copper	7440-50-8	mg/L	10/17/2016	<0.005					
Copper	7440-50-8	mg/L	4/17/2017	<0.005					
Copper	7440-50-8	mg/L	10/11/2017	<0.005					
Copper	7440-50-8	mg/L	4/25/2018	<0.005					
Copper	7440-50-8	mg/L	10/16/2018	0.000772J					
Copper	7440-50-8	mg/L	4/16/2019	<0.005					
Copper	7440-50-8	mg/L	10/1/2019	<0.005					
Copper	7440-50-8	mg/L	3/30/2020	<0.005					
Copper	7440-50-8	mg/L	10/7/2020	<0.005					
Copper	7440-50-8	mg/L	4/13/2021	<0.004					
Copper	7440-50-8	mg/L	10/20/2021	<0.004	<0.004	0.0016J	0.0031J	<0.004	0.0013J
Copper	7440-50-8	mg/L	5/2/2022	<0.004	0.0012J	<0.004	0.0011J	<0.004	0.0022J
Copper	7440-50-8	mg/L	10/14/2022	<0.004	<0.004	0.001J	0.0011J	0.0038J	0.0019J
Copper	7440-50-8	mg/L	5/1/2023	<0.005	0.00222J; <0.005	<0.005	<0.005	0.00369J	0.00196J
Copper	7440-50-8	mg/L	10/16/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Copper	7440-50-8	mg/L	4/29/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	10/9/2024		<0.00500		<0.00500		
Copper	7440-50-8	mg/L	10/10/2024	<0.00500		<0.00500		<0.00500	
Copper	7440-50-8	mg/L	10/14/2024						<0.00500
Copper	7440-50-8	mg/L	4/25/2025		<0.00500				
Copper	7440-50-8	mg/L	4/30/2025			<0.00500	<0.00500		
Copper	7440-50-8	mg/L	5/5/2025					<0.00500	
Copper	7440-50-8	mg/L	5/6/2025	0.00357					
Copper	7440-50-8	mg/L	5/8/2025						<0.00500
Cyanide	57-12-5	mg/L	4/14/2009	<0.01					
Cyanide	57-12-5	mg/L	5/10/2010	<0.01					
Cyanide	57-12-5	mg/L	3/30/2013			<0.01	<0.01		
Cyanide	57-12-5	mg/L	10/5/2015	<0.01					
Cyanide	57-12-5	mg/L	3/30/2020	<0.01					
Cyanide, Total	57-12-5	mg/L	4/25/2025		<0.0100				
Cyanide, Total	57-12-5	mg/L	5/6/2025	<0.0100					
DCAA	19719-28-9	ug/L	4/25/2025		1.26; 1.16				
DCAA	19719-28-9	ug/L	5/6/2025	2.16; 1.82					
Delta-BHC	319-86-8	ug/L	4/14/2009	<0.032					
Delta-BHC	319-86-8	ug/L	5/10/2010	<0.032					
Delta-BHC	319-86-8	ug/L	3/30/2013			<0.032	<0.032		
Delta-BHC	319-86-8	ug/L	10/5/2015	<0.032					
Delta-BHC	319-86-8	ug/L	3/30/2020	0.0028J					
Di-n-butyl phthalate	84-74-2	ug/L	4/14/2009	<10					
Di-n-butyl phthalate	84-74-2	ug/L	5/10/2010	<10					
Di-n-butyl phthalate	84-74-2	ug/L	3/30/2013			<10	<10		
Di-n-butyl phthalate	84-74-2	ug/L	10/5/2015	1.53J					
Di-n-butyl phthalate	84-74-2	ug/L	3/30/2020	<10.4					
Di-n-butyl phthalate	84-74-2	ug/L	4/25/2025		<10.6				
Di-n-butyl phthalate	84-74-2	ug/L	5/6/2025	<10.4					
Di-n-octyl phthalate	117-84-0	ug/L	4/14/2009	<10					
Di-n-octyl phthalate	117-84-0	ug/L	5/10/2010	<10					
Di-n-octyl phthalate	117-84-0	ug/L	3/30/2013			<20	<20		
Di-n-octyl phthalate	117-84-0	ug/L	10/5/2015	<20					
Di-n-octyl phthalate	117-84-0	ug/L	3/30/2020	<20.8					
Di-n-octyl phthalate	117-84-0	ug/L	4/25/2025		<21.3				
Di-n-octyl phthalate	117-84-0	ug/L	5/6/2025	<20.8					
Diallate	2303-16-4	ug/L	4/14/2009	<10					
Diallate	2303-16-4	ug/L	5/10/2010	<10					
Diallate	2303-16-4	ug/L	3/30/2013			<10	<10		
Diallate	2303-16-4	ug/L	10/5/2015	<10					
Diallate	2303-16-4	ug/L	3/30/2020	<10.4					
Diallate	2303-16-4	ug/L	4/25/2025		<10.6				
Diallate	2303-16-4	ug/L	5/6/2025	<10.4					
Dibenz [a,h] anthracene	53-70-3	ug/L	4/14/2009	<10					
Dibenz [a,h] anthracene	53-70-3	ug/L	5/10/2010	<10					
Dibenz [a,h] anthracene	53-70-3	ug/L	3/30/2013			<10	<10		
Dibenz [a,h] anthracene	53-70-3	ug/L	10/5/2015	<10					
Dibenz [a,h] anthracene	53-70-3	ug/L	3/30/2020	<10.4					
Dibenzo(a,h)anthracene	53-70-3	ug/L	4/25/2025		<10.6				
Dibenzo(a,h)anthracene	53-70-3	ug/L	5/6/2025	<10.4					
Dibenzofuran	132-64-9	ug/L	4/14/2009	<10					
Dibenzofuran	132-64-9	ug/L	5/10/2010	<10					
Dibenzofuran	132-64-9	ug/L	3/30/2013			<10	<10		
Dibenzofuran	132-64-9	ug/L	10/5/2015	<10					
Dibenzofuran	132-64-9	ug/L	3/30/2020	<10.4					
Dibenzofuran	132-64-9	ug/L	4/25/2025		<10.6				
Dibenzofuran	132-64-9	ug/L	5/6/2025	<10.4					
Dibromomethane	74-95-3	ug/L	2/27/2008	<1	<1				
Dibromomethane	74-95-3	ug/L	5/12/2008	<1	<1				
Dibromomethane	74-95-3	ug/L	7/13/2008	<1	<1				
Dibromomethane	74-95-3	ug/L	9/14/2008	<1	<1				
Dibromomethane	74-95-3	ug/L	11/17/2008	<1	<1				

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Dibromomethane	74-95-3	ug/L	4/14/2009	<1					
Dibromomethane	74-95-3	ug/L	10/25/2009	<2					
Dibromomethane	74-95-3	ug/L	5/10/2010	<1					
Dibromomethane	74-95-3	ug/L	11/1/2010	<1					
Dibromomethane	74-95-3	ug/L	8/11/2011			<1			
Dibromomethane	74-95-3	ug/L	10/13/2011	<1		<1			
Dibromomethane	74-95-3	ug/L	12/5/2011			<1			
Dibromomethane	74-95-3	ug/L	4/11/2012	<1		<1	<1		
Dibromomethane	74-95-3	ug/L	6/25/2012			<1	<1		
Dibromomethane	74-95-3	ug/L	8/1/2012			<1	<1		
Dibromomethane	74-95-3	ug/L	10/11/2012	<1		<1	<1		
Dibromomethane	74-95-3	ug/L	12/13/2012				<1		
Dibromomethane	74-95-3	ug/L	3/30/2013	<1		<1	<1		
Dibromomethane	74-95-3	ug/L	10/7/2013				<1		
Dibromomethane	74-95-3	ug/L	6/2/2014	<1					
Dibromomethane	74-95-3	ug/L	10/15/2014	<1					
Dibromomethane	74-95-3	ug/L	4/6/2015	<1					
Dibromomethane	74-95-3	ug/L	10/5/2015	<1					
Dibromomethane	74-95-3	ug/L	4/4/2016	<1					
Dibromomethane	74-95-3	ug/L	10/17/2016	<1					
Dibromomethane	74-95-3	ug/L	4/17/2017	<1					
Dibromomethane	74-95-3	ug/L	10/11/2017	<1					
Dibromomethane	74-95-3	ug/L	4/25/2018	<1					
Dibromomethane	74-95-3	ug/L	10/16/2018	<1					
Dibromomethane	74-95-3	ug/L	4/16/2019	<1					
Dibromomethane	74-95-3	ug/L	10/1/2019	<1					
Dibromomethane	74-95-3	ug/L	3/30/2020	<1					
Dibromomethane	74-95-3	ug/L	10/7/2020	<1					
Dibromomethane	74-95-3	ug/L	4/13/2021	<1					
Dibromomethane	74-95-3	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/9/2024		<1.00		<1.00		
Dibromomethane	74-95-3	ug/L	10/10/2024	<1.00		<1.00		<1.00	
Dibromomethane	74-95-3	ug/L	10/14/2024						<1.00
Dibromomethane	74-95-3	ug/L	4/25/2025		<1.00				
Dibromomethane	74-95-3	ug/L	4/30/2025			<1.00	<1.00		
Dibromomethane	74-95-3	ug/L	5/5/2025					<1.00	
Dibromomethane	74-95-3	ug/L	5/6/2025	<1.00					
Dibromomethane	74-95-3	ug/L	5/8/2025						<1.00
Dichlorodifluoromethane	75-71-8	ug/L	4/14/2009	<3					
Dichlorodifluoromethane	75-71-8	ug/L	5/10/2010	<4					
Dichlorodifluoromethane	75-71-8	ug/L	3/30/2013			<3	<3		
Dichlorodifluoromethane	75-71-8	ug/L	10/5/2015	<3					
Dichlorodifluoromethane	75-71-8	ug/L	3/30/2020	<3					
Dichlorodifluoromethane	75-71-8	ug/L	4/25/2025		<3.00				
Dichlorodifluoromethane	75-71-8	ug/L	5/6/2025	<3.00					
Dieldrin	60-57-1	ug/L	4/14/2009	<0.032					
Dieldrin	60-57-1	ug/L	5/10/2010	<0.032					
Dieldrin	60-57-1	ug/L	3/30/2013			<0.032	<0.032		
Dieldrin	60-57-1	ug/L	10/5/2015	<0.032					
Dieldrin	60-57-1	ug/L	3/30/2020	<0.0333					
Dieldrin	60-57-1	ug/L	4/25/2025		<0.0964				
Dieldrin	60-57-1	ug/L	5/6/2025	<0.0904					
Diethyl phthalate	84-66-2	ug/L	4/14/2009	<10					
Diethyl phthalate	84-66-2	ug/L	5/10/2010	<10					
Diethyl phthalate	84-66-2	ug/L	3/30/2013			<10	<10		
Diethyl phthalate	84-66-2	ug/L	10/5/2015	<10					
Diethyl phthalate	84-66-2	ug/L	3/30/2020	<10.4					
Diethyl phthalate	84-66-2	ug/L	4/25/2025		<10.6				

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Diethyl phthalate	84-66-2	ug/L	5/6/2025	<10.4					
Dimethoate	60-51-5	ug/L	4/14/2009	<10					
Dimethoate	60-51-5	ug/L	5/10/2010	<10					
Dimethoate	60-51-5	ug/L	3/30/2013			<10	<10		
Dimethoate	60-51-5	ug/L	10/5/2015	<10					
Dimethoate	60-51-5	ug/L	3/30/2020	<10.4					
Dimethoate	60-51-5	ug/L	4/25/2025		<10.6				
Dimethoate	60-51-5	ug/L	5/6/2025	<10.4					
Dimethyl phthalate	131-11-3	ug/L	4/14/2009	<10					
Dimethyl phthalate	131-11-3	ug/L	5/10/2010	<10					
Dimethyl phthalate	131-11-3	ug/L	3/30/2013			<10	<10		
Dimethyl phthalate	131-11-3	ug/L	10/5/2015	<10					
Dimethyl phthalate	131-11-3	ug/L	3/30/2020	<10.4					
Dimethyl phthalate	131-11-3	ug/L	4/25/2025		<10.6				
Dimethyl phthalate	131-11-3	ug/L	5/6/2025	<10.4					
Dimethylaminoazobenzene	60-11-7	ug/L	4/14/2009	<10					
Dimethylaminoazobenzene	60-11-7	ug/L	5/10/2010	<10					
Dimethylaminoazobenzene	60-11-7	ug/L	3/30/2013			<10	<10		
Dimethylaminoazobenzene	60-11-7	ug/L	10/5/2015	<10					
Dimethylaminoazobenzene	60-11-7	ug/L	3/30/2020	<10.4					
Dinoseb	88-85-7	ug/L	4/14/2009	<10					
Dinoseb	88-85-7	ug/L	5/10/2010	<10					
Dinoseb	88-85-7	ug/L	3/30/2013			<10	<10		
Dinoseb	88-85-7	ug/L	10/5/2015	<10					
Dinoseb	88-85-7	ug/L	3/30/2020	<10.4					
Dinoseb	88-85-7	ug/L	4/25/2025		<10.6				
Dinoseb	88-85-7	ug/L	5/6/2025	<10.4					
Diphenylamine	122-39-4	ug/L	4/14/2009	<10					
Diphenylamine	122-39-4	ug/L	5/10/2010	<10					
Diphenylamine	122-39-4	ug/L	3/30/2013			<10	<10		
Diphenylamine	122-39-4	ug/L	10/5/2015	<10					
Diphenylamine	122-39-4	ug/L	3/30/2020	<10.4					
Diphenylamine	122-39-4	ug/L	4/25/2025		<10.6				
Diphenylamine	122-39-4	ug/L	5/6/2025	<10.4					
Disulfoton	298-04-4	ug/L	4/14/2009	<70					
Disulfoton	298-04-4	ug/L	5/10/2010	<10					
Disulfoton	298-04-4	ug/L	3/30/2013			<10	<10		
Disulfoton	298-04-4	ug/L	10/5/2015	<10					
Disulfoton	298-04-4	ug/L	3/30/2020	<10.4					
Disulfoton	298-04-4	ug/L	4/25/2025		<10.6				
Disulfoton	298-04-4	ug/L	5/6/2025	<10.4					
Endosulfan I	959-98-8	ug/L	4/14/2009	<0.032					
Endosulfan I	959-98-8	ug/L	5/10/2010	<0.032					
Endosulfan I	959-98-8	ug/L	3/30/2013			<0.032	<0.032		
Endosulfan I	959-98-8	ug/L	10/5/2015	<0.032					
Endosulfan I	959-98-8	ug/L	3/30/2020	<0.0333					
Endosulfan I	959-98-8	ug/L	4/25/2025		<0.0964				
Endosulfan I	959-98-8	ug/L	5/6/2025	<0.0904					
Endosulfan II	33213-65-9	ug/L	4/14/2009	<0.032					
Endosulfan II	33213-65-9	ug/L	5/10/2010	<0.032					
Endosulfan II	33213-65-9	ug/L	3/30/2013			<0.032	<0.032		
Endosulfan II	33213-65-9	ug/L	10/5/2015	<0.032					
Endosulfan II	33213-65-9	ug/L	3/30/2020	<0.0333					
Endosulfan II	33213-65-9	ug/L	4/25/2025		<0.0964				
Endosulfan II	33213-65-9	ug/L	5/6/2025	<0.0904					
Endosulfan sulfate	1031-07-8	ug/L	4/14/2009	<0.032					
Endosulfan sulfate	1031-07-8	ug/L	5/10/2010	<0.032					
Endosulfan sulfate	1031-07-8	ug/L	3/30/2013			<0.032	<0.032		
Endosulfan sulfate	1031-07-8	ug/L	10/5/2015	<0.032					
Endosulfan sulfate	1031-07-8	ug/L	3/30/2020	<0.0333					
Endosulfan sulfate	1031-07-8	ug/L	4/25/2025		<0.0964				
Endosulfan sulfate	1031-07-8	ug/L	5/6/2025	<0.0904					
Endrin	72-20-8	ug/L	4/14/2009	<0.032					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Endrin	72-20-8	ug/L	5/10/2010	<0.032					
Endrin	72-20-8	ug/L	3/30/2013			<0.032	<0.032		
Endrin	72-20-8	ug/L	10/5/2015	<0.032					
Endrin	72-20-8	ug/L	3/30/2020	<0.0333					
Endrin	72-20-8	ug/L	4/25/2025		<0.0964				
Endrin	72-20-8	ug/L	5/6/2025	<0.0904					
Endrin aldehyde	7421-93-4	ug/L	4/14/2009	<0.032					
Endrin aldehyde	7421-93-4	ug/L	5/10/2010	<0.032					
Endrin aldehyde	7421-93-4	ug/L	3/30/2013			<0.032	<0.032		
Endrin aldehyde	7421-93-4	ug/L	10/5/2015	<0.032					
Endrin aldehyde	7421-93-4	ug/L	3/30/2020	<0.0333					
Endrin aldehyde	7421-93-4	ug/L	4/25/2025		<0.0964				
Endrin aldehyde	7421-93-4	ug/L	5/6/2025	<0.0904					
Ethyl Methacrylate	97-63-2	ug/L	4/14/2009	<2					
Ethyl Methacrylate	97-63-2	ug/L	5/10/2010	<4					
Ethyl Methacrylate	97-63-2	ug/L	3/30/2013			<2	<2		
Ethyl Methacrylate	97-63-2	ug/L	10/5/2015	<2					
Ethyl Methacrylate	97-63-2	ug/L	3/30/2020	<2					
Ethyl Methanesulfonate	62-50-0	ug/L	4/14/2009	<10					
Ethyl Methanesulfonate	62-50-0	ug/L	5/10/2010	<10					
Ethyl Methanesulfonate	62-50-0	ug/L	3/30/2013			<10	<10		
Ethyl Methanesulfonate	62-50-0	ug/L	10/5/2015	<10					
Ethyl Methanesulfonate	62-50-0	ug/L	3/30/2020	<10.4					
Ethyl Parathion	56-38-2	ug/L	4/25/2025		<10.6				
Ethyl Parathion	56-38-2	ug/L	5/6/2025	<10.4					
Ethyl methacrylate	97-63-2	ug/L	4/25/2025		<2.00				
Ethyl methacrylate	97-63-2	ug/L	5/6/2025	<2.00					
Ethyl methanesulfonate	62-50-0	ug/L	4/25/2025		<10.6				
Ethyl methanesulfonate	62-50-0	ug/L	5/6/2025	<10.4					
Ethylbenzene	100-41-4	ug/L	2/27/2008	<1	<1				
Ethylbenzene	100-41-4	ug/L	5/12/2008	<1	<1				
Ethylbenzene	100-41-4	ug/L	7/13/2008	<1	<1				
Ethylbenzene	100-41-4	ug/L	9/14/2008	<1	<1				
Ethylbenzene	100-41-4	ug/L	11/17/2008	<1	<1				
Ethylbenzene	100-41-4	ug/L	4/14/2009	<1					
Ethylbenzene	100-41-4	ug/L	10/25/2009	<2					
Ethylbenzene	100-41-4	ug/L	5/10/2010	<2					
Ethylbenzene	100-41-4	ug/L	11/1/2010	<1					
Ethylbenzene	100-41-4	ug/L	8/11/2011			<1			
Ethylbenzene	100-41-4	ug/L	10/13/2011	<1		<1			
Ethylbenzene	100-41-4	ug/L	12/5/2011			<1			
Ethylbenzene	100-41-4	ug/L	4/11/2012	<1		<1	<1		
Ethylbenzene	100-41-4	ug/L	6/25/2012			<1	<1		
Ethylbenzene	100-41-4	ug/L	8/1/2012			<1	<1		
Ethylbenzene	100-41-4	ug/L	10/11/2012	<1		<1	<1		
Ethylbenzene	100-41-4	ug/L	12/13/2012				<1		
Ethylbenzene	100-41-4	ug/L	3/30/2013	<1		<1	<1		
Ethylbenzene	100-41-4	ug/L	10/7/2013				<1		
Ethylbenzene	100-41-4	ug/L	6/2/2014	<1					
Ethylbenzene	100-41-4	ug/L	10/15/2014	<1					
Ethylbenzene	100-41-4	ug/L	4/6/2015	<1					
Ethylbenzene	100-41-4	ug/L	10/5/2015	<1					
Ethylbenzene	100-41-4	ug/L	4/4/2016	<1					
Ethylbenzene	100-41-4	ug/L	10/17/2016	<1					
Ethylbenzene	100-41-4	ug/L	4/17/2017	<1					
Ethylbenzene	100-41-4	ug/L	10/11/2017	<1					
Ethylbenzene	100-41-4	ug/L	4/25/2018	<1					
Ethylbenzene	100-41-4	ug/L	10/16/2018	<1					
Ethylbenzene	100-41-4	ug/L	4/16/2019	<1					
Ethylbenzene	100-41-4	ug/L	10/1/2019	<1					
Ethylbenzene	100-41-4	ug/L	3/30/2020	<1					
Ethylbenzene	100-41-4	ug/L	10/7/2020	<1					
Ethylbenzene	100-41-4	ug/L	4/13/2021	<1					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Ethylbenzene	100-41-4	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/9/2024		<1.00		<1.00		
Ethylbenzene	100-41-4	ug/L	10/10/2024	<1.00		<1.00		<1.00	
Ethylbenzene	100-41-4	ug/L	10/14/2024						<1.00
Ethylbenzene	100-41-4	ug/L	4/25/2025		<1.00				
Ethylbenzene	100-41-4	ug/L	4/30/2025			<1.00	<1.00		
Ethylbenzene	100-41-4	ug/L	5/5/2025					<1.00	
Ethylbenzene	100-41-4	ug/L	5/6/2025	<1.00					
Ethylbenzene	100-41-4	ug/L	5/8/2025						<1.00
Famphur	52-85-7	ug/L	4/14/2009	<20					
Famphur	52-85-7	ug/L	5/10/2010	<20					
Famphur	52-85-7	ug/L	3/30/2013			<20	<20		
Famphur	52-85-7	ug/L	10/5/2015	<20					
Famphur	52-85-7	ug/L	3/30/2020	<10.4					
Famphur	52-85-7	ug/L	4/25/2025		<10.6				
Famphur	52-85-7	ug/L	5/6/2025	<10.4					
Fluoranthene	206-44-0	ug/L	4/14/2009	<10					
Fluoranthene	206-44-0	ug/L	5/10/2010	<10					
Fluoranthene	206-44-0	ug/L	3/30/2013			<10	<10		
Fluoranthene	206-44-0	ug/L	10/5/2015	<10					
Fluoranthene	206-44-0	ug/L	3/30/2020	<10.4					
Fluoranthene	206-44-0	ug/L	4/25/2025		<10.6				
Fluoranthene	206-44-0	ug/L	5/6/2025	<10.4					
Fluorene	86-73-7	ug/L	4/14/2009	<10					
Fluorene	86-73-7	ug/L	5/10/2010	<10					
Fluorene	86-73-7	ug/L	3/30/2013			<10	<10		
Fluorene	86-73-7	ug/L	10/5/2015	<10					
Fluorene	86-73-7	ug/L	3/30/2020	<10.4					
Fluorene	86-73-7	ug/L	4/25/2025		<10.6				
Fluorene	86-73-7	ug/L	5/6/2025	<10.4					
Gamma-BHC [Lindane]	58-89-9	ug/L	4/14/2009	<0.032					
Gamma-BHC [Lindane]	58-89-9	ug/L	5/10/2010	<0.032					
Gamma-BHC [Lindane]	58-89-9	ug/L	3/30/2013			<0.032	<0.032		
Gamma-BHC [Lindane]	58-89-9	ug/L	10/5/2015	<0.032					
Gamma-BHC [Lindane]	58-89-9	ug/L	3/30/2020	<0.0333					
Heptachlor	76-44-8	ug/L	4/14/2009	<0.032					
Heptachlor	76-44-8	ug/L	5/10/2010	<0.032					
Heptachlor	76-44-8	ug/L	3/30/2013			<0.032	<0.032		
Heptachlor	76-44-8	ug/L	10/5/2015	<0.032					
Heptachlor	76-44-8	ug/L	3/30/2020	<0.0333					
Heptachlor	76-44-8	ug/L	4/25/2025		<0.0964				
Heptachlor	76-44-8	ug/L	5/6/2025	<0.0904					
Heptachlor Epoxide	1024-57-3	ug/L	4/14/2009	<0.032					
Heptachlor Epoxide	1024-57-3	ug/L	5/10/2010	<0.032					
Heptachlor Epoxide	1024-57-3	ug/L	3/30/2013			<0.032	<0.032		
Heptachlor Epoxide	1024-57-3	ug/L	10/5/2015	<0.032					
Heptachlor Epoxide	1024-57-3	ug/L	3/30/2020	<0.0333					
Heptachlor epoxide	1024-57-3	ug/L	4/25/2025		<0.0964				
Heptachlor epoxide	1024-57-3	ug/L	5/6/2025	<0.0904					
Hexachlorobenzene	118-74-1	ug/L	4/14/2009	<10					
Hexachlorobenzene	118-74-1	ug/L	5/10/2010	<10					
Hexachlorobenzene	118-74-1	ug/L	3/30/2013			<10	<10		
Hexachlorobenzene	118-74-1	ug/L	10/5/2015	<10					
Hexachlorobenzene	118-74-1	ug/L	3/30/2020	<10.4					
Hexachlorobenzene	118-74-1	ug/L	4/25/2025		<10.6				
Hexachlorobenzene	118-74-1	ug/L	5/6/2025	<10.4					
Hexachlorobutadiene	87-68-3	ug/L	4/14/2009	<10					
Hexachlorobutadiene	87-68-3	ug/L	5/10/2010	<10					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Hexachlorobutadiene	87-68-3	ug/L	3/30/2013			<10	<10		
Hexachlorobutadiene	87-68-3	ug/L	10/5/2015	<10					
Hexachlorobutadiene	87-68-3	ug/L	3/30/2020	<10.4					
Hexachlorobutadiene	87-68-3	ug/L	4/25/2025		<10.6				
Hexachlorobutadiene	87-68-3	ug/L	5/6/2025	<10.4					
Hexachlorocyclopentadiene	77-47-4	ug/L	4/14/2009	<10					
Hexachlorocyclopentadiene	77-47-4	ug/L	5/10/2010	<10					
Hexachlorocyclopentadiene	77-47-4	ug/L	3/30/2013			<20	<20		
Hexachlorocyclopentadiene	77-47-4	ug/L	10/5/2015	<20					
Hexachlorocyclopentadiene	77-47-4	ug/L	3/30/2020	<10.4					
Hexachlorocyclopentadiene	77-47-4	ug/L	4/25/2025		<10.6				
Hexachlorocyclopentadiene	77-47-4	ug/L	5/6/2025	<10.4					
Hexachloroethane	67-72-1	ug/L	4/14/2009	<10					
Hexachloroethane	67-72-1	ug/L	5/10/2010	<10					
Hexachloroethane	67-72-1	ug/L	3/30/2013			<10	<10		
Hexachloroethane	67-72-1	ug/L	10/5/2015	<10					
Hexachloroethane	67-72-1	ug/L	3/30/2020	<10.4					
Hexachloroethane	67-72-1	ug/L	4/25/2025		<10.6				
Hexachloroethane	67-72-1	ug/L	5/6/2025	<10.4					
Hexachloropropene	1888-71-7	ug/L	4/14/2009	<10					
Hexachloropropene	1888-71-7	ug/L	5/10/2010	<10					
Hexachloropropene	1888-71-7	ug/L	3/30/2013			<10	<10		
Hexachloropropene	1888-71-7	ug/L	10/5/2015	<10					
Hexachloropropene	1888-71-7	ug/L	3/30/2020	<10.4					
Hexachloropropene	1888-71-7	ug/L	4/25/2025		<10.6				
Hexachloropropene	1888-71-7	ug/L	5/6/2025	<10.4					
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	4/14/2009	<10					
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	5/10/2010	<10					
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	3/30/2013			<10	<10		
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	10/5/2015	<10					
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	3/30/2020	<10.4					
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	4/25/2025		<10.6				
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	5/6/2025	<10.4					
Iodomethane	74-88-4	ug/L	2/27/2008	<10	<10				
Iodomethane	74-88-4	ug/L	5/12/2008	<10	<10				
Iodomethane	74-88-4	ug/L	7/13/2008	<10	<10				
Iodomethane	74-88-4	ug/L	9/14/2008	<10	<10				
Iodomethane	74-88-4	ug/L	11/17/2008	<10	<10				
Iodomethane	74-88-4	ug/L	4/14/2009	<10					
Iodomethane	74-88-4	ug/L	10/25/2009	<10					
Iodomethane	74-88-4	ug/L	5/10/2010	<10					
Iodomethane	74-88-4	ug/L	11/1/2010	<10					
Iodomethane	74-88-4	ug/L	8/11/2011			<50			
Iodomethane	74-88-4	ug/L	10/13/2011	<10		<10			
Iodomethane	74-88-4	ug/L	12/5/2011			<20			
Iodomethane	74-88-4	ug/L	4/11/2012	<10		<10	<10		
Iodomethane	74-88-4	ug/L	6/25/2012			<10	<10		
Iodomethane	74-88-4	ug/L	8/1/2012			<10	<10		
Iodomethane	74-88-4	ug/L	10/11/2012	<10		<10	<10		
Iodomethane	74-88-4	ug/L	12/13/2012				<10		
Iodomethane	74-88-4	ug/L	3/30/2013	<10		<10	<10		
Iodomethane	74-88-4	ug/L	10/7/2013				<10		
Iodomethane	74-88-4	ug/L	6/2/2014	<10					
Iodomethane	74-88-4	ug/L	10/15/2014	<10					
Iodomethane	74-88-4	ug/L	4/6/2015	<10					
Iodomethane	74-88-4	ug/L	10/5/2015	<10					
Iodomethane	74-88-4	ug/L	4/4/2016	<10					
Iodomethane	74-88-4	ug/L	10/17/2016	<10					
Iodomethane	74-88-4	ug/L	4/17/2017	<10					
Iodomethane	74-88-4	ug/L	10/11/2017	<10					
Iodomethane	74-88-4	ug/L	4/25/2018	<10					
Iodomethane	74-88-4	ug/L	10/16/2018	<10					
Iodomethane	74-88-4	ug/L	4/16/2019	<10					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Iodomethane	74-88-4	ug/L	10/1/2019	<10					
Iodomethane	74-88-4	ug/L	3/30/2020	<10					
Iodomethane	74-88-4	ug/L	10/7/2020	<10					
Iodomethane	74-88-4	ug/L	4/13/2021	<1					
Iodomethane	74-88-4	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Iodomethane	74-88-4	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Iodomethane	74-88-4	ug/L	10/14/2022	<1				<1	<1
Iodomethane	74-88-4	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/16/2023	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/29/2024	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/9/2024		<10.0		<10.0		
Iodomethane	74-88-4	ug/L	10/10/2024	<10.0		<10.0		<10.0	
Iodomethane	74-88-4	ug/L	10/14/2024						<10.0
Iodomethane	74-88-4	ug/L	4/25/2025		<10.0				
Iodomethane	74-88-4	ug/L	4/30/2025			<10.0	<10.0		
Iodomethane	74-88-4	ug/L	5/5/2025					<10.0	
Iodomethane	74-88-4	ug/L	5/6/2025	<10.0					
Iodomethane	74-88-4	ug/L	5/8/2025						<10.0
Iron, Total	7439-89-6	mg/L	4/6/2015	15.4	<0.1	<0.1	<0.1		
Iron, Total	7439-89-6	mg/L	10/5/2015	15.6	<0.1	<0.1	<0.1		
Iron, Total	7439-89-6	mg/L	4/4/2016	15.1	<0.1	<0.1	<0.1		
Iron, Total	7439-89-6	mg/L	10/17/2016	15.5	<0.1	<0.1	<0.1		
Isobutanol	78-83-1	mg/L	4/14/2009	<10					
Isobutanol	78-83-1	mg/L	5/10/2010	<10					
Isobutanol	78-83-1	mg/L	3/30/2013			<10	<10		
Isobutanol	78-83-1	mg/L	10/5/2015	<10					
Isobutanol	78-83-1	mg/L	3/30/2020	<10					
Isobutanol	78-83-1	mg/L	4/25/2025		<10.0				
Isobutanol	78-83-1	mg/L	5/6/2025	<10.0					
Isodrin	465-73-6	ug/L	4/14/2009	<10					
Isodrin	465-73-6	ug/L	5/10/2010	<10					
Isodrin	465-73-6	ug/L	3/30/2013			<10	<10		
Isodrin	465-73-6	ug/L	10/5/2015	<10					
Isodrin	465-73-6	ug/L	3/30/2020	<10.4					
Isodrin	465-73-6	ug/L	4/25/2025		<10.6				
Isodrin	465-73-6	ug/L	5/6/2025	<10.4					
Isophorone	78-59-1	ug/L	4/14/2009	<10					
Isophorone	78-59-1	ug/L	5/10/2010	<10					
Isophorone	78-59-1	ug/L	3/30/2013			<10	<10		
Isophorone	78-59-1	ug/L	10/5/2015	<10					
Isophorone	78-59-1	ug/L	3/30/2020	<10.4					
Isophorone	78-59-1	ug/L	4/25/2025		<10.6				
Isophorone	78-59-1	ug/L	5/6/2025	<10.4					
Isosafrole	120-58-1	ug/L	4/14/2009	<10					
Isosafrole	120-58-1	ug/L	5/10/2010	<10					
Isosafrole	120-58-1	ug/L	3/30/2013			<10	<10		
Isosafrole	120-58-1	ug/L	10/5/2015	<10					
Isosafrole	120-58-1	ug/L	3/30/2020	<10.4					
Isosafrole	120-58-1	ug/L	4/25/2025		<10.6				
Isosafrole	120-58-1	ug/L	5/6/2025	<10.4					
Kepone	143-50-0	ug/L	4/14/2009	<10					
Kepone	143-50-0	ug/L	5/10/2010	<10					
Kepone	143-50-0	ug/L	3/30/2013			<10	<10		
Kepone	143-50-0	ug/L	10/5/2015	<10					
Kepone	143-50-0	ug/L	3/30/2020	<10.4					
Kepone	143-50-0	ug/L	4/25/2025		<10.6				
Kepone	143-50-0	ug/L	5/6/2025	<10.4					
Lead	7439-92-1	mg/L	2/27/2008	<0.005	<0.005				
Lead	7439-92-1	mg/L	5/12/2008	<0.005	<0.005				
Lead	7439-92-1	mg/L	7/13/2008	<0.005	<0.005				
Lead	7439-92-1	mg/L	9/14/2008	<0.005	<0.005				
Lead	7439-92-1	mg/L	11/17/2008	<0.004	<0.004				
Lead	7439-92-1	mg/L	4/14/2009	<0.005					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Lead	7439-92-1	mg/L	10/25/2009	<0.005					
Lead	7439-92-1	mg/L	5/10/2010	<0.002					
Lead	7439-92-1	mg/L	8/11/2011			<0.005			
Lead	7439-92-1	mg/L	10/13/2011			<0.004			
Lead	7439-92-1	mg/L	12/5/2011			<0.004			
Lead	7439-92-1	mg/L	4/11/2012	<0.004		<0.004	<0.004		
Lead	7439-92-1	mg/L	6/25/2012			<0.004	<0.004		
Lead	7439-92-1	mg/L	8/1/2012			<0.004	<0.004		
Lead	7439-92-1	mg/L	10/11/2012	<0.004		<0.004	<0.004		
Lead	7439-92-1	mg/L	12/13/2012				<0.004		
Lead	7439-92-1	mg/L	3/30/2013	<0.004		<0.004	<0.004		
Lead	7439-92-1	mg/L	10/7/2013	<0.004		<0.004	<0.004		
Lead	7439-92-1	mg/L	6/2/2014	<0.004; 0.0044					
Lead	7439-92-1	mg/L	10/15/2014	<0.004					
Lead	7439-92-1	mg/L	4/6/2015	<0.0005					
Lead	7439-92-1	mg/L	10/5/2015	0.000167J					
Lead	7439-92-1	mg/L	4/4/2016	<0.0005					
Lead	7439-92-1	mg/L	10/17/2016	<0.0005					
Lead	7439-92-1	mg/L	4/17/2017	<0.0005					
Lead	7439-92-1	mg/L	10/11/2017	<0.0005					
Lead	7439-92-1	mg/L	4/25/2018	<0.0005					
Lead	7439-92-1	mg/L	10/16/2018	<0.0005					
Lead	7439-92-1	mg/L	4/16/2019	<0.0005					
Lead	7439-92-1	mg/L	10/1/2019	<0.0005					
Lead	7439-92-1	mg/L	3/30/2020	<0.0005					
Lead	7439-92-1	mg/L	10/7/2020	<0.0005					
Lead	7439-92-1	mg/L	4/13/2021	<0.004					
Lead	7439-92-1	mg/L	10/20/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	5/2/2022	0.0011J; <0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	10/14/2022	<0.004	<0.004	<0.004	<0.004	0.0008J	<0.004
Lead	7439-92-1	mg/L	5/1/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/16/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	4/29/2024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/9/2024		<0.000500		<0.000500		
Lead	7439-92-1	mg/L	10/10/2024	<0.000500		<0.000500		<0.000500	
Lead	7439-92-1	mg/L	10/14/2024						<0.000500
Lead	7439-92-1	mg/L	4/25/2025		<0.000500				
Lead	7439-92-1	mg/L	4/30/2025			<0.000500	<0.000500		
Lead	7439-92-1	mg/L	5/5/2025					<0.000500	
Lead	7439-92-1	mg/L	5/6/2025	<0.000500					
Lead	7439-92-1	mg/L	5/8/2025						<0.000500
Magnesium	7439-95-4	mg/L	6/2/2014	39.8; 38.9					
Magnesium	7439-95-4	mg/L	10/15/2014	45.3		19.2			
Manganese	7439-96-5	mg/L	4/6/2015	0.904	<0.01	0.111	0.025		
Manganese	7439-96-5	mg/L	10/5/2015	0.912	0.0768	0.251	0.0725		
Manganese	7439-96-5	mg/L	4/4/2016	0.927	0.0184	0.183	0.00891J		
Manganese	7439-96-5	mg/L	10/17/2016	0.969	0.0745	0.23	0.0418		
Mercury	7439-97-6	mg/L	4/14/2009	<0.0002					
Mercury	7439-97-6	mg/L	5/10/2010	<0.0002					
Mercury	7439-97-6	mg/L	3/30/2013			<0.0002	<0.0002		
Mercury	7439-97-6	mg/L	10/5/2015	<0.0002					
Mercury	7439-97-6	mg/L	3/30/2020	<0.0002					
Mercury	7439-97-6	mg/L	4/25/2025		<0.000200				
Mercury	7439-97-6	mg/L	5/6/2025	<0.000200					
Methacrylonitrile	126-98-7	ug/L	4/14/2009	<1					
Methacrylonitrile	126-98-7	ug/L	5/10/2010	<1					
Methacrylonitrile	126-98-7	ug/L	3/30/2013			<1	<1		
Methacrylonitrile	126-98-7	ug/L	10/5/2015	<10					
Methacrylonitrile	126-98-7	ug/L	3/30/2020	<10					
Methacrylonitrile	126-98-7	ug/L	4/25/2025		<10.0				
Methacrylonitrile	126-98-7	ug/L	5/6/2025	<10.0					
Methane, Dissolved	74-82-8	mg/L	4/6/2015	0.186	<0.005	0.00361J	0.00755		
Methane, Dissolved	74-82-8	mg/L	10/5/2015	0.249	0.0221	0.00256	0.00256		

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Methane, Dissolved	74-82-8	mg/L	4/4/2016	0.00837	<0.00058	<0.00058	<0.00058		
Methane, Dissolved	74-82-8	mg/L	10/17/2016	0.299	0.00124	0.000611	0.000311J		
Methapyrilene	91-80-5	ug/L	4/14/2009	<10					
Methapyrilene	91-80-5	ug/L	5/10/2010	<10					
Methapyrilene	91-80-5	ug/L	3/30/2013			<10	<10		
Methapyrilene	91-80-5	ug/L	10/5/2015	<10					
Methapyrilene	91-80-5	ug/L	3/30/2020	<10.4					
Methapyrilene	91-80-5	ug/L	4/25/2025		<10.6				
Methapyrilene	91-80-5	ug/L	5/6/2025	<10.4					
Methoxychlor	72-43-5	ug/L	4/14/2009	<0.032					
Methoxychlor	72-43-5	ug/L	5/10/2010	<0.032					
Methoxychlor	72-43-5	ug/L	3/30/2013			<0.032	<0.032		
Methoxychlor	72-43-5	ug/L	10/5/2015	<0.032					
Methoxychlor	72-43-5	ug/L	3/30/2020	<0.0333					
Methoxychlor	72-43-5	ug/L	4/25/2025		<0.0964				
Methoxychlor	72-43-5	ug/L	5/6/2025	<0.0904					
Methyl Methacrylate	80-62-6	ug/L	4/14/2009	<2					
Methyl Methacrylate	80-62-6	ug/L	5/10/2010	<2					
Methyl Methacrylate	80-62-6	ug/L	3/30/2013			<2	<2		
Methyl Methacrylate	80-62-6	ug/L	10/5/2015	<2					
Methyl Methacrylate	80-62-6	ug/L	3/30/2020	<2					
Methyl Methanesulfonate	66-27-3	ug/L	4/14/2009	<10					
Methyl Methanesulfonate	66-27-3	ug/L	5/10/2010	<10					
Methyl Methanesulfonate	66-27-3	ug/L	3/30/2013			<10	<10		
Methyl Methanesulfonate	66-27-3	ug/L	10/5/2015	<10					
Methyl Methanesulfonate	66-27-3	ug/L	3/30/2020	<10.4					
Methyl methacrylate	80-62-6	ug/L	4/25/2025		<2.00				
Methyl methacrylate	80-62-6	ug/L	5/6/2025	<2.00					
Methyl methanesulfonate	66-27-3	ug/L	4/25/2025		<10.6				
Methyl methanesulfonate	66-27-3	ug/L	5/6/2025	<10.4					
Methyl parathion	298-00-0	ug/L	4/25/2025		<10.6				
Methyl parathion	298-00-0	ug/L	5/6/2025	<10.4					
Methylene Chloride	75-09-2	ug/L	2/27/2008	<5	<5				
Methylene Chloride	75-09-2	ug/L	5/12/2008	<5	<5				
Methylene Chloride	75-09-2	ug/L	7/13/2008	<5	<5				
Methylene Chloride	75-09-2	ug/L	9/14/2008	<5	<5				
Methylene Chloride	75-09-2	ug/L	11/17/2008	<5	<5				
Methylene Chloride	75-09-2	ug/L	4/14/2009	<5					
Methylene Chloride	75-09-2	ug/L	10/25/2009	<5					
Methylene Chloride	75-09-2	ug/L	5/10/2010	<5					
Methylene Chloride	75-09-2	ug/L	11/1/2010	<5					
Methylene Chloride	75-09-2	ug/L	8/11/2011			<5			
Methylene Chloride	75-09-2	ug/L	10/13/2011	<5		<5			
Methylene Chloride	75-09-2	ug/L	12/5/2011			<5			
Methylene Chloride	75-09-2	ug/L	4/11/2012	<5		<5	<5		
Methylene Chloride	75-09-2	ug/L	6/25/2012			<5	<5		
Methylene Chloride	75-09-2	ug/L	8/1/2012			<5	<5		
Methylene Chloride	75-09-2	ug/L	10/11/2012	<5		<5	<5		
Methylene Chloride	75-09-2	ug/L	12/13/2012				<5		
Methylene Chloride	75-09-2	ug/L	3/30/2013	<5		<5	<5		
Methylene Chloride	75-09-2	ug/L	10/7/2013				<5		
Methylene Chloride	75-09-2	ug/L	6/2/2014	<5					
Methylene Chloride	75-09-2	ug/L	10/15/2014	<5					
Methylene Chloride	75-09-2	ug/L	4/6/2015	<5					
Methylene Chloride	75-09-2	ug/L	10/5/2015	0.721J					
Methylene Chloride	75-09-2	ug/L	4/4/2016	<5					
Methylene Chloride	75-09-2	ug/L	10/17/2016	0.313J					
Methylene Chloride	75-09-2	ug/L	4/17/2017	0.326J; 0.295J					
Methylene Chloride	75-09-2	ug/L	10/11/2017	0.209J					
Methylene Chloride	75-09-2	ug/L	4/25/2018	0.419J					
Methylene Chloride	75-09-2	ug/L	10/16/2018	<5					
Methylene Chloride	75-09-2	ug/L	4/16/2019	<5					
Methylene Chloride	75-09-2	ug/L	10/1/2019	<5					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Methylene Chloride	75-09-2	ug/L	3/30/2020	<5					
Methylene Chloride	75-09-2	ug/L	10/7/2020	<5					
Methylene Chloride	75-09-2	ug/L	4/13/2021	<5					
Methylene Chloride	75-09-2	ug/L	10/20/2021	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	5/2/2022	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/14/2022	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/16/2023	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	4/29/2024	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/9/2024		<5.00		<5.00		
Methylene Chloride	75-09-2	ug/L	10/10/2024	<5.00		<5.00		<5.00	
Methylene Chloride	75-09-2	ug/L	10/14/2024						<5.00
Methylene Chloride	75-09-2	ug/L	4/25/2025		<5.00				
Methylene Chloride	75-09-2	ug/L	4/30/2025			<5.00	<5.00		
Methylene Chloride	75-09-2	ug/L	5/5/2025					<5.00	
Methylene Chloride	75-09-2	ug/L	5/6/2025	<5.00					
Methylene Chloride	75-09-2	ug/L	5/8/2025						<5.00
Methylphenol, 3 & 4	106-44-5	ug/L	4/25/2025		<10.6				
Methylphenol, 3 & 4	106-44-5	ug/L	5/6/2025	<10.4					
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/14/2009	<10					
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/10/2010	<10					
N-Nitrosodi-n-butylamine	924-16-3	ug/L	3/30/2013			<10	<10		
N-Nitrosodi-n-butylamine	924-16-3	ug/L	10/5/2015	<10					
N-Nitrosodi-n-butylamine	924-16-3	ug/L	3/30/2020	<10.4					
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/25/2025		<10.6				
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/6/2025	<10.4					
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/14/2009	<10					
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/10/2010	<10					
N-Nitrosodi-n-propylamine	621-64-7	ug/L	3/30/2013			<10	<10		
N-Nitrosodi-n-propylamine	621-64-7	ug/L	10/5/2015	<10					
N-Nitrosodi-n-propylamine	621-64-7	ug/L	3/30/2020	<10.4					
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/25/2025		<10.6				
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/6/2025	<10.4					
N-Nitrosodiethylamine	55-18-5	ug/L	4/14/2009	<10					
N-Nitrosodiethylamine	55-18-5	ug/L	5/10/2010	<10					
N-Nitrosodiethylamine	55-18-5	ug/L	3/30/2013			<10	<10		
N-Nitrosodiethylamine	55-18-5	ug/L	10/5/2015	<10					
N-Nitrosodiethylamine	55-18-5	ug/L	3/30/2020	<10.4					
N-Nitrosodiethylamine	55-18-5	ug/L	4/25/2025		<10.6				
N-Nitrosodiethylamine	55-18-5	ug/L	5/6/2025	<10.4					
N-Nitrosodimethylamine	62-75-9	ug/L	4/14/2009	<10					
N-Nitrosodimethylamine	62-75-9	ug/L	5/10/2010	<10					
N-Nitrosodimethylamine	62-75-9	ug/L	3/30/2013			<10	<10		
N-Nitrosodimethylamine	62-75-9	ug/L	10/5/2015	<10					
N-Nitrosodimethylamine	62-75-9	ug/L	3/30/2020	<10.4					
N-Nitrosodimethylamine	62-75-9	ug/L	4/25/2025		<10.6				
N-Nitrosodimethylamine	62-75-9	ug/L	5/6/2025	<10.4					
N-Nitrosodiphenylamine	86-30-6	ug/L	4/14/2009	<10					
N-Nitrosodiphenylamine	86-30-6	ug/L	5/10/2010	<10					
N-Nitrosodiphenylamine	86-30-6	ug/L	3/30/2013			<10	<10		
N-Nitrosodiphenylamine	86-30-6	ug/L	10/5/2015	<10					
N-Nitrosodiphenylamine	86-30-6	ug/L	3/30/2020	<10.4					
N-Nitrosodiphenylamine	86-30-6	ug/L	4/25/2025		<10.6				
N-Nitrosodiphenylamine	86-30-6	ug/L	5/6/2025	<10.4					
N-Nitrosomethylethalamine	10595-95-6	ug/L	4/14/2009	<10					
N-Nitrosomethylethalamine	10595-95-6	ug/L	5/10/2010	<10					
N-Nitrosomethylethalamine	10595-95-6	ug/L	3/30/2013			<10	<10		
N-Nitrosomethylethalamine	10595-95-6	ug/L	10/5/2015	<10					
N-Nitrosomethylethalamine	10595-95-6	ug/L	3/30/2020	<10.4					
N-Nitrosomethylethylamine	10595-95-6	ug/L	4/25/2025		<10.6				
N-Nitrosomethylethylamine	10595-95-6	ug/L	5/6/2025	<10.4					
N-Nitrosopiperidine	100-75-4	ug/L	4/14/2009	<10					
N-Nitrosopiperidine	100-75-4	ug/L	5/10/2010	<10					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
N-Nitrosopiperidine	100-75-4	ug/L	3/30/2013			<10	<10		
N-Nitrosopiperidine	100-75-4	ug/L	10/5/2015	<10					
N-Nitrosopiperidine	100-75-4	ug/L	3/30/2020	<10.4					
N-Nitrosopiperidine	100-75-4	ug/L	4/25/2025		<10.6				
N-Nitrosopiperidine	100-75-4	ug/L	5/6/2025	<10.4					
N-Nitrosopyrrolidine	930-55-2	ug/L	4/14/2009	<10					
N-Nitrosopyrrolidine	930-55-2	ug/L	5/10/2010	<10					
N-Nitrosopyrrolidine	930-55-2	ug/L	3/30/2013			<10	<10		
N-Nitrosopyrrolidine	930-55-2	ug/L	10/5/2015	<10					
N-Nitrosopyrrolidine	930-55-2	ug/L	3/30/2020	<10.4					
N-Nitrosopyrrolidine	930-55-2	ug/L	4/25/2025		<10.6				
N-Nitrosopyrrolidine	930-55-2	ug/L	5/6/2025	<10.4					
Naphthalene	91-20-3	ug/L	4/14/2009	<5					
Naphthalene	91-20-3	ug/L	5/10/2010	<5					
Naphthalene	91-20-3	ug/L	3/30/2013			<5	<5		
Naphthalene	91-20-3	ug/L	10/5/2015	<5					
Naphthalene	91-20-3	ug/L	3/30/2020	<5					
Naphthalene	91-20-3	ug/L	4/25/2025		<5.00				
Naphthalene	91-20-3	ug/L	5/6/2025	<5.00					
Nickel	7440-02-0	mg/L	2/27/2008	<0.01	<0.01				
Nickel	7440-02-0	mg/L	5/12/2008	<0.01	<0.01				
Nickel	7440-02-0	mg/L	7/13/2008	<0.01	<0.01				
Nickel	7440-02-0	mg/L	9/14/2008	<0.01	0.055				
Nickel	7440-02-0	mg/L	11/17/2008	<0.05	<0.05				
Nickel	7440-02-0	mg/L	4/14/2009	<0.01					
Nickel	7440-02-0	mg/L	10/25/2009	<0.01					
Nickel	7440-02-0	mg/L	5/10/2010	<0.05					
Nickel	7440-02-0	mg/L	8/11/2011			<0.01			
Nickel	7440-02-0	mg/L	10/13/2011			<0.05			
Nickel	7440-02-0	mg/L	12/5/2011			<0.05			
Nickel	7440-02-0	mg/L	4/11/2012	<0.05		<0.05	<0.05		
Nickel	7440-02-0	mg/L	6/25/2012			<0.05	<0.05		
Nickel	7440-02-0	mg/L	8/1/2012			<0.05	<0.05		
Nickel	7440-02-0	mg/L	10/11/2012	<0.05		<0.05	<0.05		
Nickel	7440-02-0	mg/L	12/13/2012				<0.05		
Nickel	7440-02-0	mg/L	3/30/2013	<0.05		<0.05	<0.05		
Nickel	7440-02-0	mg/L	10/7/2013	<0.05		<0.05	<0.05		
Nickel	7440-02-0	mg/L	6/2/2014	<0.05					
Nickel	7440-02-0	mg/L	10/15/2014	0.0103J					
Nickel	7440-02-0	mg/L	4/6/2015	0.000999J					
Nickel	7440-02-0	mg/L	10/5/2015	<0.005					
Nickel	7440-02-0	mg/L	4/4/2016	<0.005					
Nickel	7440-02-0	mg/L	10/17/2016	<0.005					
Nickel	7440-02-0	mg/L	4/17/2017	<0.005					
Nickel	7440-02-0	mg/L	10/11/2017	<0.005					
Nickel	7440-02-0	mg/L	4/25/2018	<0.005					
Nickel	7440-02-0	mg/L	10/16/2018	<0.002					
Nickel	7440-02-0	mg/L	4/16/2019	<0.005					
Nickel	7440-02-0	mg/L	10/1/2019	<0.005					
Nickel	7440-02-0	mg/L	3/30/2020	<0.005					
Nickel	7440-02-0	mg/L	10/7/2020	<0.005					
Nickel	7440-02-0	mg/L	4/13/2021	<0.004					
Nickel	7440-02-0	mg/L	10/20/2021	<0.004	<0.004	0.0016J	0.0077	0.0031J	0.0048
Nickel	7440-02-0	mg/L	5/2/2022	<0.004	<0.004	<0.004	<0.004	0.0029J	0.0042
Nickel	7440-02-0	mg/L	10/14/2022	<0.004	0.0016J	0.0024J	0.0022J	0.0191	0.0049
Nickel	7440-02-0	mg/L	5/1/2023	<0.005	<0.005	<0.005	<0.005	0.00205J	0.0042J
Nickel	7440-02-0	mg/L	10/16/2023	<0.005	<0.005	<0.005	<0.005	0.00439J	0.00346J
Nickel	7440-02-0	mg/L	4/29/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel	7440-02-0	mg/L	10/9/2024		<0.00500		0.00227J		
Nickel	7440-02-0	mg/L	10/10/2024	<0.00500		<0.00500		0.00322J	
Nickel	7440-02-0	mg/L	10/14/2024						0.00282J
Nickel	7440-02-0	mg/L	4/25/2025		<0.00500				
Nickel	7440-02-0	mg/L	4/30/2025			<0.00500	<0.00500		

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Nickel	7440-02-0	mg/L	5/5/2025					<0.00500	
Nickel	7440-02-0	mg/L	5/6/2025	<0.00500					
Nickel	7440-02-0	mg/L	5/8/2025						<0.00500
Nitrate (NO3)	14797-55-8	mg/L	4/6/2015	<0.1	7.42	4.61	0.327		
Nitrate (NO3)	14797-55-8	mg/L	10/5/2015	<0.1	7.68	6.42	0.185		
Nitrate (NO3)	14797-55-8	mg/L	4/4/2016	<0.1	6.26	6.47	<0.1		
Nitrate (NO3)	14797-55-8	mg/L	10/17/2016	0.719	4.88	7.24	0.14		
Nitrobenzene	98-95-3	ug/L	4/14/2009	<10					
Nitrobenzene	98-95-3	ug/L	5/10/2010	<10					
Nitrobenzene	98-95-3	ug/L	3/30/2013			<10	<10		
Nitrobenzene	98-95-3	ug/L	10/5/2015	<10					
Nitrobenzene	98-95-3	ug/L	3/30/2020	<10.4					
Nitrobenzene	98-95-3	ug/L	4/25/2025		<10.6				
Nitrobenzene	98-95-3	ug/L	5/6/2025	<10.4					
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	4/14/2009	<30					
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	5/10/2010	<10					
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	3/30/2013			<10	<10		
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	10/5/2015	<10					
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	3/30/2020	<10.4					
O-Toluidine	95-53-4	ug/L	4/14/2009	<10					
O-Toluidine	95-53-4	ug/L	5/10/2010	<10					
O-Toluidine	95-53-4	ug/L	3/30/2013			<10	<10		
O-Toluidine	95-53-4	ug/L	10/5/2015	<10					
O-Toluidine	95-53-4	ug/L	3/30/2020	<10.4					
PCB-1016	12674-11-2	ug/L	4/14/2009	<0.8					
PCB-1016	12674-11-2	ug/L	5/10/2010	<0.8					
PCB-1016	12674-11-2	ug/L	3/30/2013			<0.8	<0.8		
PCB-1016	12674-11-2	ug/L	10/5/2015	<0.8					
PCB-1016	12674-11-2	ug/L	3/30/2020	<0.833					
PCB-1016	12674-11-2	ug/L	4/25/2025		<1.93				
PCB-1016	12674-11-2	ug/L	5/6/2025	<1.81					
PCB-1221	11104-28-2	ug/L	4/14/2009	<0.8					
PCB-1221	11104-28-2	ug/L	5/10/2010	<0.8					
PCB-1221	11104-28-2	ug/L	3/30/2013			<0.8	<0.8		
PCB-1221	11104-28-2	ug/L	10/5/2015	<0.8					
PCB-1221	11104-28-2	ug/L	3/30/2020	<0.833					
PCB-1221	11104-28-2	ug/L	4/25/2025		<1.93				
PCB-1221	11104-28-2	ug/L	5/6/2025	<1.81					
PCB-1232	11141-16-5	ug/L	4/14/2009	<0.8					
PCB-1232	11141-16-5	ug/L	5/10/2010	<0.8					
PCB-1232	11141-16-5	ug/L	3/30/2013			<0.8	<0.8		
PCB-1232	11141-16-5	ug/L	10/5/2015	<0.8					
PCB-1232	11141-16-5	ug/L	3/30/2020	<0.833					
PCB-1232	11141-16-5	ug/L	4/25/2025		<1.93				
PCB-1232	11141-16-5	ug/L	5/6/2025	<1.81					
PCB-1242	53469-21-9	ug/L	4/14/2009	<0.8					
PCB-1242	53469-21-9	ug/L	5/10/2010	<0.8					
PCB-1242	53469-21-9	ug/L	3/30/2013			<0.8	<0.8		
PCB-1242	53469-21-9	ug/L	10/5/2015	<0.8					
PCB-1242	53469-21-9	ug/L	3/30/2020	<0.833					
PCB-1242	53469-21-9	ug/L	4/25/2025		<1.93				
PCB-1242	53469-21-9	ug/L	5/6/2025	<1.81					
PCB-1248	12672-29-6	ug/L	4/14/2009	<0.8					
PCB-1248	12672-29-6	ug/L	5/10/2010	<0.8					
PCB-1248	12672-29-6	ug/L	3/30/2013			<0.8	<0.8		
PCB-1248	12672-29-6	ug/L	10/5/2015	<0.8					
PCB-1248	12672-29-6	ug/L	3/30/2020	<0.833					
PCB-1248	12672-29-6	ug/L	4/25/2025		<1.93				
PCB-1248	12672-29-6	ug/L	5/6/2025	<1.81					
PCB-1254	11097-69-1	ug/L	4/14/2009	<0.8					
PCB-1254	11097-69-1	ug/L	5/10/2010	<0.8					
PCB-1254	11097-69-1	ug/L	3/30/2013			<0.8	<0.8		
PCB-1254	11097-69-1	ug/L	10/5/2015	<0.8					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
PCB-1254	11097-69-1	ug/L	3/30/2020	<0.833					
PCB-1254	11097-69-1	ug/L	4/25/2025		<1.93				
PCB-1254	11097-69-1	ug/L	5/6/2025	<1.81					
PCB-1260	11096-82-5	ug/L	4/14/2009	<0.8					
PCB-1260	11096-82-5	ug/L	5/10/2010	<0.8					
PCB-1260	11096-82-5	ug/L	3/30/2013			<0.8	<0.8		
PCB-1260	11096-82-5	ug/L	10/5/2015	<0.8					
PCB-1260	11096-82-5	ug/L	3/30/2020	<0.833					
PCB-1260	11096-82-5	ug/L	4/25/2025		<1.93				
PCB-1260	11096-82-5	ug/L	5/6/2025	<1.81					
Parathion-Ethyl	56-38-2	ug/L	4/14/2009	<10					
Parathion-Ethyl	56-38-2	ug/L	5/10/2010	<10					
Parathion-Ethyl	56-38-2	ug/L	3/30/2013			<10	<10		
Parathion-Ethyl	56-38-2	ug/L	10/5/2015	<10					
Parathion-Ethyl	56-38-2	ug/L	3/30/2020	<10.4					
Parathion-Methyl	298-00-0	ug/L	4/14/2009	<10					
Parathion-Methyl	298-00-0	ug/L	5/10/2010	<10					
Parathion-Methyl	298-00-0	ug/L	3/30/2013			<10	<10		
Parathion-Methyl	298-00-0	ug/L	10/5/2015	<10					
Parathion-Methyl	298-00-0	ug/L	3/30/2020	<10.4					
Pentachlorobenzene	608-93-5	ug/L	4/14/2009	<10					
Pentachlorobenzene	608-93-5	ug/L	5/10/2010	<10					
Pentachlorobenzene	608-93-5	ug/L	3/30/2013			<10	<10		
Pentachlorobenzene	608-93-5	ug/L	10/5/2015	<10					
Pentachlorobenzene	608-93-5	ug/L	3/30/2020	<10.4					
Pentachlorobenzene	608-93-5	ug/L	4/25/2025		<10.6				
Pentachlorobenzene	608-93-5	ug/L	5/6/2025	<10.4					
Pentachloronitrobenzene	82-68-8	ug/L	4/14/2009	<10					
Pentachloronitrobenzene	82-68-8	ug/L	5/10/2010	<10					
Pentachloronitrobenzene	82-68-8	ug/L	3/30/2013			<10	<10		
Pentachloronitrobenzene	82-68-8	ug/L	10/5/2015	<10					
Pentachloronitrobenzene	82-68-8	ug/L	3/30/2020	<10.4					
Pentachloronitrobenzene	82-68-8	ug/L	4/25/2025		<10.6				
Pentachloronitrobenzene	82-68-8	ug/L	5/6/2025	<10.4					
Pentachlorophenol	87-86-5	ug/L	4/25/2025		<10.6				
Pentachlorophenol	87-86-5	ug/L	5/6/2025	<10.4					
Pentachlorophenol [2C]	87-86-5	ug/L	4/14/2009	<10					
Pentachlorophenol [2C]	87-86-5	ug/L	5/10/2010	<10					
Pentachlorophenol [2C]	87-86-5	ug/L	3/30/2013			<10	<10		
Pentachlorophenol [2C]	87-86-5	ug/L	10/5/2015	<10					
Pentachlorophenol [2C]	87-86-5	ug/L	3/30/2020	<10.4					
Phenacetin	62-44-2	ug/L	4/14/2009	<10					
Phenacetin	62-44-2	ug/L	5/10/2010	<10					
Phenacetin	62-44-2	ug/L	3/30/2013			<10	<10		
Phenacetin	62-44-2	ug/L	10/5/2015	<10					
Phenacetin	62-44-2	ug/L	3/30/2020	<10.4					
Phenacetin	62-44-2	ug/L	4/25/2025		<10.6				
Phenacetin	62-44-2	ug/L	5/6/2025	<10.4					
Phenanthrene	85-01-8	ug/L	4/14/2009	<10					
Phenanthrene	85-01-8	ug/L	5/10/2010	<10					
Phenanthrene	85-01-8	ug/L	3/30/2013			<10	<10		
Phenanthrene	85-01-8	ug/L	10/5/2015	<10					
Phenanthrene	85-01-8	ug/L	3/30/2020	<10.4					
Phenanthrene	85-01-8	ug/L	4/25/2025		<10.6				
Phenanthrene	85-01-8	ug/L	5/6/2025	<10.4					
Phenol	108-95-2	ug/L	4/14/2009	<20					
Phenol	108-95-2	ug/L	5/10/2010	<10					
Phenol	108-95-2	ug/L	3/30/2013			<10	<10		
Phenol	108-95-2	ug/L	10/5/2015	<10					
Phenol	108-95-2	ug/L	3/30/2020	<10.4					
Phenol	108-95-2	ug/L	4/25/2025		<10.6				
Phenol	108-95-2	ug/L	5/6/2025	<10.4					
Phorate	298-02-2	ug/L	4/14/2009	<60					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Phorate	298-02-2	ug/L	5/10/2010	<10					
Phorate	298-02-2	ug/L	3/30/2013			<10	<10		
Phorate	298-02-2	ug/L	10/5/2015	<10					
Phorate	298-02-2	ug/L	3/30/2020	<10.4					
Phorate	298-02-2	ug/L	4/25/2025		<10.6				
Phorate	298-02-2	ug/L	5/6/2025	<10.4					
Potassium	7440-09-7	mg/L	6/2/2014	0.835J; 0.862J					
Potassium	7440-09-7	mg/L	10/15/2014	0.919J		<1			
Pronamide	23950-58-5	ug/L	4/14/2009	<10					
Pronamide	23950-58-5	ug/L	5/10/2010	<10					
Pronamide	23950-58-5	ug/L	3/30/2013			<10	<10		
Pronamide	23950-58-5	ug/L	10/5/2015	<10					
Pronamide	23950-58-5	ug/L	3/30/2020	<10.4					
Pronamide	23950-58-5	ug/L	4/25/2025		<10.6				
Pronamide	23950-58-5	ug/L	5/6/2025	<10.4					
Propionitrile	107-12-0	ug/L	4/14/2009	<10					
Propionitrile	107-12-0	ug/L	5/10/2010	<10					
Propionitrile	107-12-0	ug/L	3/30/2013			<10	<10		
Propionitrile	107-12-0	ug/L	10/5/2015	<10					
Propionitrile	107-12-0	ug/L	3/30/2020	<10					
Propionitrile	107-12-0	ug/L	4/25/2025		<10.0				
Propionitrile	107-12-0	ug/L	5/6/2025	<10.0					
Pyrene	129-00-0	ug/L	4/14/2009	<10					
Pyrene	129-00-0	ug/L	5/10/2010	<10					
Pyrene	129-00-0	ug/L	3/30/2013			<10	<10		
Pyrene	129-00-0	ug/L	10/5/2015	<10					
Pyrene	129-00-0	ug/L	3/30/2020	<10.4					
Pyrene	129-00-0	ug/L	4/25/2025		<10.6				
Pyrene	129-00-0	ug/L	5/6/2025	<10.4					
Safrole	94-59-7	ug/L	4/14/2009	<10					
Safrole	94-59-7	ug/L	5/10/2010	<10					
Safrole	94-59-7	ug/L	3/30/2013			<10	<10		
Safrole	94-59-7	ug/L	10/5/2015	<10					
Safrole	94-59-7	ug/L	3/30/2020	<10.4					
Safrole	94-59-7	ug/L	4/25/2025		<10.6				
Safrole	94-59-7	ug/L	5/6/2025	<10.4					
Selenium	7782-49-2	mg/L	2/27/2008	<0.01	<0.01				
Selenium	7782-49-2	mg/L	5/12/2008	<0.01	<0.01				
Selenium	7782-49-2	mg/L	7/13/2008	<0.01	<0.01				
Selenium	7782-49-2	mg/L	9/14/2008	<0.01	<0.01				
Selenium	7782-49-2	mg/L	11/17/2008	<0.005	<0.005				
Selenium	7782-49-2	mg/L	4/14/2009	<0.01					
Selenium	7782-49-2	mg/L	10/25/2009	<0.01					
Selenium	7782-49-2	mg/L	5/10/2010	0.0055					
Selenium	7782-49-2	mg/L	8/11/2011			<0.01			
Selenium	7782-49-2	mg/L	10/13/2011			<0.005			
Selenium	7782-49-2	mg/L	12/5/2011			<0.005			
Selenium	7782-49-2	mg/L	4/11/2012	<0.005		<0.005	<0.005		
Selenium	7782-49-2	mg/L	6/25/2012			<0.005	<0.005		
Selenium	7782-49-2	mg/L	8/1/2012			<0.005	<0.005		
Selenium	7782-49-2	mg/L	10/11/2012	<0.005		<0.005	0.00702		
Selenium	7782-49-2	mg/L	12/13/2012				<0.005		
Selenium	7782-49-2	mg/L	3/30/2013	<0.005		<0.005	<0.005		
Selenium	7782-49-2	mg/L	10/7/2013	<0.005		<0.005	<0.005		
Selenium	7782-49-2	mg/L	6/2/2014	<0.005					
Selenium	7782-49-2	mg/L	10/15/2014	<0.005					
Selenium	7782-49-2	mg/L	4/6/2015	<0.005					
Selenium	7782-49-2	mg/L	10/5/2015	<0.005					
Selenium	7782-49-2	mg/L	4/4/2016	<0.005					
Selenium	7782-49-2	mg/L	10/17/2016	<0.005					
Selenium	7782-49-2	mg/L	4/17/2017	<0.005					
Selenium	7782-49-2	mg/L	10/11/2017	<0.005					
Selenium	7782-49-2	mg/L	4/25/2018	<0.005					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Selenium	7782-49-2	mg/L	10/16/2018	<0.0025					
Selenium	7782-49-2	mg/L	4/16/2019	<0.005					
Selenium	7782-49-2	mg/L	10/1/2019	<0.005					
Selenium	7782-49-2	mg/L	3/30/2020	<0.005					
Selenium	7782-49-2	mg/L	10/7/2020	<0.005					
Selenium	7782-49-2	mg/L	4/13/2021	<0.004					
Selenium	7782-49-2	mg/L	10/20/2021	<0.004	0.0029J	0.0044	<0.004	<0.004	<0.004
Selenium	7782-49-2	mg/L	5/2/2022	<0.004	0.0028J	0.002J	<0.004	<0.004	<0.004
Selenium	7782-49-2	mg/L	10/14/2022	<0.004	0.0031J	<0.004	<0.004	<0.004	<0.004
Selenium	7782-49-2	mg/L	5/1/2023	<0.005	0.00286J; 0.00284J	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/16/2023	<0.005	0.00389J	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	4/29/2024	<0.005	0.00375J	<0.005	<0.005	0.0371	<0.005
Selenium	7782-49-2	mg/L	10/9/2024		0.00519		<0.00500		
Selenium	7782-49-2	mg/L	10/10/2024	<0.00500		<0.00500		<0.00500	
Selenium	7782-49-2	mg/L	10/14/2024						<0.00500
Selenium	7782-49-2	mg/L	2/25/2025		0.0278				
Selenium	7782-49-2	mg/L	4/25/2025		0.00170				
Selenium	7782-49-2	mg/L	4/30/2025			<0.00500	<0.00500		
Selenium	7782-49-2	mg/L	5/5/2025					0.00229	
Selenium	7782-49-2	mg/L	5/6/2025	<0.00500					
Selenium	7782-49-2	mg/L	5/8/2025						<0.00500
Silver	7440-22-4	mg/L	2/27/2008	<0.01	<0.01				
Silver	7440-22-4	mg/L	5/12/2008	<0.01	<0.01				
Silver	7440-22-4	mg/L	7/13/2008	<0.01	<0.01				
Silver	7440-22-4	mg/L	9/14/2008	<0.01	<0.01				
Silver	7440-22-4	mg/L	11/17/2008	<0.02	<0.02				
Silver	7440-22-4	mg/L	4/14/2009	<0.01					
Silver	7440-22-4	mg/L	10/25/2009	<0.025					
Silver	7440-22-4	mg/L	5/10/2010	<0.02					
Silver	7440-22-4	mg/L	8/11/2011			<0.025			
Silver	7440-22-4	mg/L	10/13/2011			<0.02			
Silver	7440-22-4	mg/L	12/5/2011			<0.02			
Silver	7440-22-4	mg/L	4/11/2012	<0.02		<0.02	<0.02		
Silver	7440-22-4	mg/L	6/25/2012			<0.02	<0.02		
Silver	7440-22-4	mg/L	8/1/2012			<0.02	<0.02		
Silver	7440-22-4	mg/L	10/11/2012	<0.02		<0.02	<0.02		
Silver	7440-22-4	mg/L	12/13/2012				<0.02		
Silver	7440-22-4	mg/L	3/30/2013	<0.02		<0.02	<0.02		
Silver	7440-22-4	mg/L	10/7/2013	<0.02		<0.02	<0.02		
Silver	7440-22-4	mg/L	6/2/2014	<0.02					
Silver	7440-22-4	mg/L	10/15/2014	<0.02					
Silver	7440-22-4	mg/L	4/6/2015	<0.001					
Silver	7440-22-4	mg/L	10/5/2015	<0.001					
Silver	7440-22-4	mg/L	4/4/2016	<0.001					
Silver	7440-22-4	mg/L	10/17/2016	<0.001					
Silver	7440-22-4	mg/L	4/17/2017	<0.001					
Silver	7440-22-4	mg/L	10/11/2017	<0.001					
Silver	7440-22-4	mg/L	4/25/2018	<0.001					
Silver	7440-22-4	mg/L	10/16/2018	<0.0005					
Silver	7440-22-4	mg/L	4/16/2019	<0.001					
Silver	7440-22-4	mg/L	10/1/2019	<0.001					
Silver	7440-22-4	mg/L	3/30/2020	<0.001					
Silver	7440-22-4	mg/L	10/7/2020	<0.001					
Silver	7440-22-4	mg/L	4/13/2021	<0.004					
Silver	7440-22-4	mg/L	10/20/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	7440-22-4	mg/L	5/2/2022	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	7440-22-4	mg/L	10/14/2022	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	7440-22-4	mg/L	5/1/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/16/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	4/29/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/9/2024		<0.00100		<0.00100		
Silver	7440-22-4	mg/L	10/10/2024	<0.00100		<0.00100		<0.00100	
Silver	7440-22-4	mg/L	10/14/2024						<0.00100

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Silver	7440-22-4	mg/L	4/25/2025		<0.00100				
Silver	7440-22-4	mg/L	4/30/2025			<0.00100	<0.00100		
Silver	7440-22-4	mg/L	5/5/2025					<0.00100	
Silver	7440-22-4	mg/L	5/6/2025	<0.00100					
Silver	7440-22-4	mg/L	5/8/2025						<0.00100
Silvex (2,4,5-TP)	93-72-1	ug/L	4/25/2025		<0.0529				
Silvex (2,4,5-TP)	93-72-1	ug/L	5/6/2025	<0.0537					
Sodium	7440-23-5	mg/L	6/2/2014	12.4; 12.2					
Sodium	7440-23-5	mg/L	10/15/2014	12.2		6.44			
Styrene	100-42-5	ug/L	2/27/2008	<1	<1				
Styrene	100-42-5	ug/L	5/12/2008	<1	<1				
Styrene	100-42-5	ug/L	7/13/2008	<1	<1				
Styrene	100-42-5	ug/L	9/14/2008	<1	<1				
Styrene	100-42-5	ug/L	11/17/2008	<1	<1				
Styrene	100-42-5	ug/L	4/14/2009	<1					
Styrene	100-42-5	ug/L	10/25/2009	<2					
Styrene	100-42-5	ug/L	5/10/2010	<4					
Styrene	100-42-5	ug/L	11/1/2010	<1					
Styrene	100-42-5	ug/L	8/11/2011			<1			
Styrene	100-42-5	ug/L	10/13/2011	<1		<1			
Styrene	100-42-5	ug/L	12/5/2011			<1			
Styrene	100-42-5	ug/L	4/11/2012	<1		<1	<1		
Styrene	100-42-5	ug/L	6/25/2012			<1	<1		
Styrene	100-42-5	ug/L	8/1/2012			<1	<1		
Styrene	100-42-5	ug/L	10/11/2012	<1		<1	<1		
Styrene	100-42-5	ug/L	12/13/2012				<1		
Styrene	100-42-5	ug/L	3/30/2013	<1		<1	<1		
Styrene	100-42-5	ug/L	10/7/2013				<1		
Styrene	100-42-5	ug/L	6/2/2014	<1					
Styrene	100-42-5	ug/L	10/15/2014	<1					
Styrene	100-42-5	ug/L	4/6/2015	<1					
Styrene	100-42-5	ug/L	10/5/2015	<1					
Styrene	100-42-5	ug/L	4/4/2016	<1					
Styrene	100-42-5	ug/L	10/17/2016	<1					
Styrene	100-42-5	ug/L	4/17/2017	<1					
Styrene	100-42-5	ug/L	10/11/2017	<1					
Styrene	100-42-5	ug/L	4/25/2018	<1					
Styrene	100-42-5	ug/L	10/16/2018	<1					
Styrene	100-42-5	ug/L	4/16/2019	<1					
Styrene	100-42-5	ug/L	10/1/2019	<1					
Styrene	100-42-5	ug/L	3/30/2020	<1					
Styrene	100-42-5	ug/L	10/7/2020	<1					
Styrene	100-42-5	ug/L	4/13/2021	<1					
Styrene	100-42-5	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/9/2024		<1.00		<1.00		
Styrene	100-42-5	ug/L	10/10/2024	<1.00		<1.00		<1.00	
Styrene	100-42-5	ug/L	10/14/2024						<1.00
Styrene	100-42-5	ug/L	4/25/2025		<1.00				
Styrene	100-42-5	ug/L	4/30/2025			<1.00	<1.00		
Styrene	100-42-5	ug/L	5/5/2025					<1.00	
Styrene	100-42-5	ug/L	5/6/2025	<1.00					
Styrene	100-42-5	ug/L	5/8/2025						<1.00
Sulfate	14808-79-8	mg/L	6/2/2014	45.2					
Sulfate	14808-79-8	mg/L	10/15/2014	38.4		14.9			
Sulfate	14808-79-8	mg/L	4/6/2015	32.6	13.1	15.4	19.6		
Sulfate	14808-79-8	mg/L	10/5/2015	35.2	12.8	15.1	20.5		
Sulfate	14808-79-8	mg/L	4/4/2016	34.1	11.7	14.5	24.1		
Sulfate	14808-79-8	mg/L	10/17/2016	25.4	8.03	11.6	23.7		

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Sulfide	18496-25-8	mg/L	4/14/2009	<1					
Sulfide	18496-25-8	mg/L	5/10/2010	<1					
Sulfide	18496-25-8	mg/L	3/30/2013			<1	<1		
Sulfide	18496-25-8	mg/L	10/5/2015	<1					
Sulfide	18496-25-8	mg/L	3/30/2020	<1					
Sulfide	18496-25-8	mg/L	4/25/2025		<1.00				
Sulfide	18496-25-8	mg/L	5/6/2025	<1.00					
Tetrachloro-m-xylene	877-09-8	ug/L	4/25/2025		7.16; 7.16				
Tetrachloro-m-xylene	877-09-8	ug/L	5/6/2025	8.54; 8.54					
Tetrachloroethene	127-18-4	ug/L	2/27/2008	<1	<1				
Tetrachloroethene	127-18-4	ug/L	5/12/2008	<1	<1				
Tetrachloroethene	127-18-4	ug/L	7/13/2008	<1	<1				
Tetrachloroethene	127-18-4	ug/L	9/14/2008	<1	<1				
Tetrachloroethene	127-18-4	ug/L	11/17/2008	<1	<1				
Tetrachloroethene	127-18-4	ug/L	4/14/2009	<1					
Tetrachloroethene	127-18-4	ug/L	10/25/2009	<1					
Tetrachloroethene	127-18-4	ug/L	5/10/2010	<1					
Tetrachloroethene	127-18-4	ug/L	11/1/2010	<1					
Tetrachloroethene	127-18-4	ug/L	8/11/2011			<1			
Tetrachloroethene	127-18-4	ug/L	10/13/2011	<1		<1			
Tetrachloroethene	127-18-4	ug/L	12/5/2011			<1			
Tetrachloroethene	127-18-4	ug/L	4/11/2012	<1		<1	<1		
Tetrachloroethene	127-18-4	ug/L	6/25/2012			<1	<1		
Tetrachloroethene	127-18-4	ug/L	8/1/2012			<1	<1		
Tetrachloroethene	127-18-4	ug/L	10/11/2012	<1		<1	<1		
Tetrachloroethene	127-18-4	ug/L	12/13/2012				<1		
Tetrachloroethene	127-18-4	ug/L	3/30/2013	<1		<1	<1		
Tetrachloroethene	127-18-4	ug/L	10/7/2013				<1		
Tetrachloroethene	127-18-4	ug/L	6/2/2014	<1			<1		
Tetrachloroethene	127-18-4	ug/L	10/15/2014	<1			<1		
Tetrachloroethene	127-18-4	ug/L	4/6/2015	<1			<1		
Tetrachloroethene	127-18-4	ug/L	10/5/2015	<1			<1		
Tetrachloroethene	127-18-4	ug/L	4/4/2016	<1			<1		
Tetrachloroethene	127-18-4	ug/L	10/17/2016	<1			<1		
Tetrachloroethene	127-18-4	ug/L	4/17/2017	<1			<1		
Tetrachloroethene	127-18-4	ug/L	10/11/2017	<1			<1		
Tetrachloroethene	127-18-4	ug/L	4/24/2018				<1		
Tetrachloroethene	127-18-4	ug/L	4/25/2018	<1					
Tetrachloroethene	127-18-4	ug/L	10/16/2018	<1			<1		
Tetrachloroethene	127-18-4	ug/L	4/16/2019	<1			<1		
Tetrachloroethene	127-18-4	ug/L	10/1/2019	<1			<1		
Tetrachloroethene	127-18-4	ug/L	3/30/2020	<1			<1		
Tetrachloroethene	127-18-4	ug/L	10/7/2020	<1					
Tetrachloroethene	127-18-4	ug/L	4/13/2021	<1			<1		
Tetrachloroethene	127-18-4	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/9/2024		<1.00		<1.00		
Tetrachloroethene	127-18-4	ug/L	10/10/2024	<1.00		<1.00		<1.00	
Tetrachloroethene	127-18-4	ug/L	10/14/2024						<1.00
Tetrachloroethene	127-18-4	ug/L	4/25/2025		<1.00				
Tetrachloroethene	127-18-4	ug/L	4/30/2025			<1.00	<1.00		
Tetrachloroethene	127-18-4	ug/L	5/5/2025					<1.00	
Tetrachloroethene	127-18-4	ug/L	5/6/2025	<1.00					
Tetrachloroethene	127-18-4	ug/L	5/8/2025						<1.00
Thallium	7440-28-0	mg/L	2/27/2008	<0.002	<0.002				
Thallium	7440-28-0	mg/L	5/12/2008	<0.002	<0.002				
Thallium	7440-28-0	mg/L	7/13/2008	<0.002	<0.002				
Thallium	7440-28-0	mg/L	9/14/2008	<0.002	<0.002				
Thallium	7440-28-0	mg/L	11/17/2008	<0.002	<0.002				

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Thallium	7440-28-0	mg/L	4/14/2009	<0.002					
Thallium	7440-28-0	mg/L	10/25/2009	<0.002					
Thallium	7440-28-0	mg/L	5/10/2010	<0.0004					
Thallium	7440-28-0	mg/L	11/1/2010	<0.002					
Thallium	7440-28-0	mg/L	8/11/2011			<0.002			
Thallium	7440-28-0	mg/L	10/13/2011			<0.002			
Thallium	7440-28-0	mg/L	12/5/2011			<0.002			
Thallium	7440-28-0	mg/L	4/11/2012	<0.002		<0.002	<0.002		
Thallium	7440-28-0	mg/L	6/25/2012			<0.002	<0.002		
Thallium	7440-28-0	mg/L	8/1/2012			<0.002	<0.002		
Thallium	7440-28-0	mg/L	10/11/2012	<0.002		<0.002	<0.002		
Thallium	7440-28-0	mg/L	12/13/2012				<0.002		
Thallium	7440-28-0	mg/L	3/30/2013	<0.002		<0.002	<0.002		
Thallium	7440-28-0	mg/L	10/7/2013	<0.002		<0.002	<0.002		
Thallium	7440-28-0	mg/L	6/2/2014	0.0007J; <0.002					
Thallium	7440-28-0	mg/L	10/15/2014	<0.002					
Thallium	7440-28-0	mg/L	4/6/2015	<0.001					
Thallium	7440-28-0	mg/L	10/5/2015	<0.001					
Thallium	7440-28-0	mg/L	4/4/2016	<0.001					
Thallium	7440-28-0	mg/L	10/17/2016	<0.001					
Thallium	7440-28-0	mg/L	4/17/2017	<0.001					
Thallium	7440-28-0	mg/L	10/11/2017	<0.001					
Thallium	7440-28-0	mg/L	4/25/2018	<0.001					
Thallium	7440-28-0	mg/L	10/16/2018	<0.002					
Thallium	7440-28-0	mg/L	4/16/2019	<0.001					
Thallium	7440-28-0	mg/L	10/1/2019	<0.001					
Thallium	7440-28-0	mg/L	3/30/2020	<0.001					
Thallium	7440-28-0	mg/L	10/7/2020	<0.001					
Thallium	7440-28-0	mg/L	4/13/2021	<0.002					
Thallium	7440-28-0	mg/L	10/20/2021	0.0003J	<0.002	<0.002	0.0003J	<0.002	<0.002
Thallium	7440-28-0	mg/L	5/2/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	10/14/2022	<0.002	<0.002	<0.002	<0.002	0.0004J	0.0011J
Thallium	7440-28-0	mg/L	5/1/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/16/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	4/29/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/9/2024		<0.00100		0.000628J		
Thallium	7440-28-0	mg/L	10/10/2024	<0.00100		<0.00100		0.000668J	
Thallium	7440-28-0	mg/L	10/14/2024						<0.00100
Thallium	7440-28-0	mg/L	4/25/2025		<0.00100				
Thallium	7440-28-0	mg/L	4/30/2025			<0.00100	<0.00100		
Thallium	7440-28-0	mg/L	5/5/2025					<0.00100	
Thallium	7440-28-0	mg/L	5/6/2025	<0.00100					
Thallium	7440-28-0	mg/L	5/8/2025						<0.00100
Thionazin	297-97-2	ug/L	4/14/2009	<10					
Thionazin	297-97-2	ug/L	5/10/2010	<10					
Thionazin	297-97-2	ug/L	3/30/2013			<10	<10		
Thionazin	297-97-2	ug/L	10/5/2015	<10					
Thionazin	297-97-2	ug/L	3/30/2020	<10.4					
Thionazin	297-97-2	ug/L	4/25/2025		<10.6				
Thionazin	297-97-2	ug/L	5/6/2025	<10.4					
Tin	7440-31-5	mg/L	4/14/2009	<0.1					
Tin	7440-31-5	mg/L	5/10/2010	<0.1					
Tin	7440-31-5	mg/L	3/30/2013			<0.1	<0.1		
Tin	7440-31-5	mg/L	10/5/2015	<0.005					
Tin	7440-31-5	mg/L	3/30/2020	<0.005					
Tin	7440-31-5	mg/L	4/25/2025		<0.00500				
Tin	7440-31-5	mg/L	5/6/2025	<0.00500					
Toluene	108-88-3	ug/L	2/27/2008	<1	<1				
Toluene	108-88-3	ug/L	5/12/2008	<1	<1				
Toluene	108-88-3	ug/L	7/13/2008	<1	<1				
Toluene	108-88-3	ug/L	9/14/2008	<1	<1				
Toluene	108-88-3	ug/L	11/17/2008	<1	<1				
Toluene	108-88-3	ug/L	4/14/2009	<1					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Toluene	108-88-3	ug/L	10/25/2009	<1					
Toluene	108-88-3	ug/L	5/10/2010	<1					
Toluene	108-88-3	ug/L	11/1/2010	<1					
Toluene	108-88-3	ug/L	8/11/2011			<1			
Toluene	108-88-3	ug/L	10/13/2011	<1		<1			
Toluene	108-88-3	ug/L	12/5/2011			<1			
Toluene	108-88-3	ug/L	4/11/2012	<1		<1	<1		
Toluene	108-88-3	ug/L	6/25/2012			<1	<1		
Toluene	108-88-3	ug/L	8/1/2012			<1	<1		
Toluene	108-88-3	ug/L	10/11/2012	<1		<1	<1		
Toluene	108-88-3	ug/L	12/13/2012				<1		
Toluene	108-88-3	ug/L	3/30/2013	<1		<1	<1		
Toluene	108-88-3	ug/L	10/7/2013				<1		
Toluene	108-88-3	ug/L	6/2/2014	<1					
Toluene	108-88-3	ug/L	10/15/2014	<1					
Toluene	108-88-3	ug/L	4/6/2015	<1					
Toluene	108-88-3	ug/L	10/5/2015	<1					
Toluene	108-88-3	ug/L	4/4/2016	<1					
Toluene	108-88-3	ug/L	10/17/2016	<1					
Toluene	108-88-3	ug/L	4/17/2017	<1					
Toluene	108-88-3	ug/L	10/11/2017	<1					
Toluene	108-88-3	ug/L	4/25/2018	<1					
Toluene	108-88-3	ug/L	10/16/2018	<1					
Toluene	108-88-3	ug/L	4/16/2019	<1					
Toluene	108-88-3	ug/L	10/1/2019	<1					
Toluene	108-88-3	ug/L	3/30/2020	<1					
Toluene	108-88-3	ug/L	10/7/2020	4.07					
Toluene	108-88-3	ug/L	4/13/2021	<1					
Toluene	108-88-3	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	5/2/2022	<1	<1	<1	0.3J	<1	<1
Toluene	108-88-3	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/9/2024		2.31		<1.00		
Toluene	108-88-3	ug/L	10/10/2024	<1.00		<1.00		<1.00	
Toluene	108-88-3	ug/L	10/14/2024						<1.00
Toluene	108-88-3	ug/L	2/25/2025		<1.00				
Toluene	108-88-3	ug/L	4/25/2025		<1.00				
Toluene	108-88-3	ug/L	4/30/2025			<1.00	<1.00		
Toluene	108-88-3	ug/L	5/5/2025					<1.00	
Toluene	108-88-3	ug/L	5/6/2025	<1.00					
Toluene	108-88-3	ug/L	5/8/2025						<1.00
Total Organic Carbon	TOC	mg/L	4/6/2015	1.22	0.774J	0.507J	0.451J		
Total Organic Carbon	TOC	mg/L	10/5/2015	1.32	0.582J	0.491J	0.426J		
Total Organic Carbon	TOC	mg/L	4/4/2016	1.17	0.633J	<1	<1		
Total Organic Carbon	TOC	mg/L	10/17/2016	1.59	0.75J	<1	0.702J		
Total Suspended Solids	STL00161	mg/L	10/9/2024		1.88		2.63		
Total Suspended Solids	STL00161	mg/L	10/10/2024	42.0		1.63J		20.6	
Total Suspended Solids	STL00161	mg/L	10/14/2024						1.50J
Total Suspended Solids	STL00161	mg/L	2/25/2025		<1.88				
Total Suspended Solids	STL00161	mg/L	4/25/2025		<1.88				
Total Suspended Solids	STL00161	mg/L	4/30/2025			<1.88	<1.88		
Total Suspended Solids	STL00161	mg/L	5/5/2025					5.63	
Total Suspended Solids	STL00161	mg/L	5/6/2025	53.0					
Total Suspended Solids	STL00161	mg/L	5/8/2025						2.88
Total Suspended Solids	TSS	mg/L	6/2/2014	26.4	79.2		<5		
Total Suspended Solids	TSS	mg/L	10/15/2014	45.3	9.12		<1.88		
Total Suspended Solids	TSS	mg/L	4/6/2015	17.7	<4.35	<2.5	<8.93		
Total Suspended Solids	TSS	mg/L	10/5/2015	28.6	2.13	<1.88	<1.88		
Total Suspended Solids	TSS	mg/L	4/4/2016	30.4	<1.88	<1.88	<1.88		
Total Suspended Solids	TSS	mg/L	10/17/2016	29	0.625J	2.5	<1.88		
Total Suspended Solids	TSS	mg/L	4/17/2017	35; 35.4	0.875J	<1.88	0.625J		

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Total Suspended Solids	TSS	mg/L	10/11/2017	29.6	0.875J	5.25	4.13		
Total Suspended Solids	TSS	mg/L	4/24/2018		1.38J		<1.88		
Total Suspended Solids	TSS	mg/L	4/25/2018	50.9		0.75J			
Total Suspended Solids	TSS	mg/L	10/16/2018	33	5.25	2.63	4.13	2.5	
Total Suspended Solids	TSS	mg/L	4/16/2019	71; 62	0.75J	4.13	1.25J	2.75	
Total Suspended Solids	TSS	mg/L	10/1/2019	23.9	2.13	2.63	1.75J	<1.88	19.3
Total Suspended Solids	TSS	mg/L	3/30/2020	25.9	0.875J	2.25	0.875J	2.88	<1.88
Total Suspended Solids	TSS	mg/L	10/7/2020	4	<1.88	1J		11	<1.88
Total Suspended Solids	TSS	mg/L	4/13/2021	32	5	2	2	4	<2
Total Suspended Solids	TSS	mg/L	10/20/2021	38	3	<1	9	2	4
Total Suspended Solids	TSS	mg/L	5/2/2022	36; 40	<2	<2	<2	<2	<2
Total Suspended Solids	TSS	mg/L	10/14/2022	41	2	5	10	40	<2
Total Suspended Solids	TSS	mg/L	5/1/2023	42	4.88; 1.25J	<1.88	<1.88	5.37	0.875J
Total Suspended Solids	TSS	mg/L	10/16/2023	42	2.38	1.25J	1.25J	10.3	1.13J
Total Suspended Solids	TSS	mg/L	4/29/2024	34.5	48.4	2.25	1.5J	9.38	1.5J
Toxaphene	8001-35-2	ug/L	4/14/2009	<2					
Toxaphene	8001-35-2	ug/L	5/10/2010	<2					
Toxaphene	8001-35-2	ug/L	3/30/2013			<2	<2		
Toxaphene	8001-35-2	ug/L	10/5/2015	<2					
Toxaphene	8001-35-2	ug/L	3/30/2020	<2.08					
Toxaphene	8001-35-2	ug/L	4/25/2025		<1.93				
Toxaphene	8001-35-2	ug/L	5/6/2025	<1.81					
Trichloroethene	79-01-6	ug/L	2/27/2008	<1	<1				
Trichloroethene	79-01-6	ug/L	5/12/2008	<1	<1				
Trichloroethene	79-01-6	ug/L	7/13/2008	<1	<1				
Trichloroethene	79-01-6	ug/L	9/14/2008	<1	<1				
Trichloroethene	79-01-6	ug/L	11/17/2008	<1	<1				
Trichloroethene	79-01-6	ug/L	4/14/2009	<1					
Trichloroethene	79-01-6	ug/L	10/25/2009	<1					
Trichloroethene	79-01-6	ug/L	5/10/2010	<1					
Trichloroethene	79-01-6	ug/L	11/1/2010	<1					
Trichloroethene	79-01-6	ug/L	8/11/2011			<1			
Trichloroethene	79-01-6	ug/L	10/13/2011	<1		<1			
Trichloroethene	79-01-6	ug/L	12/5/2011			<1			
Trichloroethene	79-01-6	ug/L	4/11/2012	<1		<1	<1		
Trichloroethene	79-01-6	ug/L	6/25/2012			<1	<1		
Trichloroethene	79-01-6	ug/L	8/1/2012			<1	<1		
Trichloroethene	79-01-6	ug/L	10/11/2012	<1		<1	<1		
Trichloroethene	79-01-6	ug/L	12/13/2012				<1		
Trichloroethene	79-01-6	ug/L	3/30/2013	<1		<1	<1		
Trichloroethene	79-01-6	ug/L	10/7/2013				<1		
Trichloroethene	79-01-6	ug/L	6/2/2014	<1			<1		
Trichloroethene	79-01-6	ug/L	10/15/2014	<1			<1		
Trichloroethene	79-01-6	ug/L	4/6/2015	<1			<1		
Trichloroethene	79-01-6	ug/L	10/5/2015	<1			<1		
Trichloroethene	79-01-6	ug/L	4/4/2016	<1			<1		
Trichloroethene	79-01-6	ug/L	10/17/2016	<1			<1		
Trichloroethene	79-01-6	ug/L	4/17/2017	<1			<1		
Trichloroethene	79-01-6	ug/L	10/11/2017	<1			<1		
Trichloroethene	79-01-6	ug/L	4/24/2018				<1		
Trichloroethene	79-01-6	ug/L	4/25/2018	<1					
Trichloroethene	79-01-6	ug/L	10/16/2018	<1			<1		
Trichloroethene	79-01-6	ug/L	4/16/2019	<1			<1		
Trichloroethene	79-01-6	ug/L	10/1/2019	<1			<1		
Trichloroethene	79-01-6	ug/L	3/30/2020	<1			<1		
Trichloroethene	79-01-6	ug/L	10/7/2020	<1					
Trichloroethene	79-01-6	ug/L	4/13/2021	<1			<1		
Trichloroethene	79-01-6	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Trichloroethene	79-01-6	ug/L	10/9/2024		<1.00		<1.00		
Trichloroethene	79-01-6	ug/L	10/10/2024	<1.00		<1.00		<1.00	
Trichloroethene	79-01-6	ug/L	10/14/2024						<1.00
Trichloroethene	79-01-6	ug/L	4/25/2025		<1.00				
Trichloroethene	79-01-6	ug/L	4/30/2025			<1.00	<1.00		
Trichloroethene	79-01-6	ug/L	5/5/2025					<1.00	
Trichloroethene	79-01-6	ug/L	5/6/2025	<1.00					
Trichloroethene	79-01-6	ug/L	5/8/2025						<1.00
Trichlorofluoromethane	75-69-4	ug/L	2/27/2008	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	5/12/2008	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	7/13/2008	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	9/14/2008	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	11/17/2008	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	4/14/2009	<4					
Trichlorofluoromethane	75-69-4	ug/L	10/25/2009	<4					
Trichlorofluoromethane	75-69-4	ug/L	5/10/2010	<4					
Trichlorofluoromethane	75-69-4	ug/L	11/1/2010	<4					
Trichlorofluoromethane	75-69-4	ug/L	8/11/2011			<4			
Trichlorofluoromethane	75-69-4	ug/L	10/13/2011	<4		<4			
Trichlorofluoromethane	75-69-4	ug/L	12/5/2011			<4			
Trichlorofluoromethane	75-69-4	ug/L	4/11/2012	<4		<4	<4		
Trichlorofluoromethane	75-69-4	ug/L	6/25/2012			<4	<4		
Trichlorofluoromethane	75-69-4	ug/L	8/1/2012			<4	<4		
Trichlorofluoromethane	75-69-4	ug/L	10/11/2012	<4		<4	<4		
Trichlorofluoromethane	75-69-4	ug/L	12/13/2012				<4		
Trichlorofluoromethane	75-69-4	ug/L	3/30/2013	<4		<4	<4		
Trichlorofluoromethane	75-69-4	ug/L	10/7/2013				<4		
Trichlorofluoromethane	75-69-4	ug/L	6/2/2014	<4					
Trichlorofluoromethane	75-69-4	ug/L	10/15/2014	<4					
Trichlorofluoromethane	75-69-4	ug/L	4/6/2015	<4					
Trichlorofluoromethane	75-69-4	ug/L	10/5/2015	<4					
Trichlorofluoromethane	75-69-4	ug/L	4/4/2016	<4					
Trichlorofluoromethane	75-69-4	ug/L	10/17/2016	<4					
Trichlorofluoromethane	75-69-4	ug/L	4/17/2017	<4					
Trichlorofluoromethane	75-69-4	ug/L	10/11/2017	<4					
Trichlorofluoromethane	75-69-4	ug/L	4/25/2018	<4					
Trichlorofluoromethane	75-69-4	ug/L	10/16/2018	<4					
Trichlorofluoromethane	75-69-4	ug/L	4/16/2019	<4					
Trichlorofluoromethane	75-69-4	ug/L	10/1/2019	<4					
Trichlorofluoromethane	75-69-4	ug/L	3/30/2020	<4					
Trichlorofluoromethane	75-69-4	ug/L	10/7/2020	<4					
Trichlorofluoromethane	75-69-4	ug/L	4/13/2021	<1					
Trichlorofluoromethane	75-69-4	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	75-69-4	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	75-69-4	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	75-69-4	ug/L	5/1/2023	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/16/2023	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/29/2024	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/9/2024		<4.00		<4.00		
Trichlorofluoromethane	75-69-4	ug/L	10/10/2024	<4.00		<4.00		<4.00	
Trichlorofluoromethane	75-69-4	ug/L	10/14/2024						<4.00
Trichlorofluoromethane	75-69-4	ug/L	4/25/2025		<4.00				
Trichlorofluoromethane	75-69-4	ug/L	4/30/2025			<4.00	<4.00		
Trichlorofluoromethane	75-69-4	ug/L	5/5/2025					<4.00	
Trichlorofluoromethane	75-69-4	ug/L	5/6/2025	<4.00					
Trichlorofluoromethane	75-69-4	ug/L	5/8/2025						<4.00
Vanadium	7440-62-2	mg/L	2/27/2008	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	5/12/2008	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	7/13/2008	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	9/14/2008	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	11/17/2008	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	4/14/2009	<0.05					
Vanadium	7440-62-2	mg/L	10/25/2009	<0.05					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Vanadium	7440-62-2	mg/L	5/10/2010	<0.05					
Vanadium	7440-62-2	mg/L	11/1/2010	<0.05					
Vanadium	7440-62-2	mg/L	8/11/2011			<0.05			
Vanadium	7440-62-2	mg/L	10/13/2011			<0.05			
Vanadium	7440-62-2	mg/L	12/5/2011			<0.05			
Vanadium	7440-62-2	mg/L	4/11/2012	<0.05		<0.05	<0.05		
Vanadium	7440-62-2	mg/L	6/25/2012			<0.05	<0.05		
Vanadium	7440-62-2	mg/L	8/1/2012			<0.05	<0.05		
Vanadium	7440-62-2	mg/L	10/11/2012	<0.05		<0.05	<0.05		
Vanadium	7440-62-2	mg/L	12/13/2012				<0.05		
Vanadium	7440-62-2	mg/L	3/30/2013	<0.05		<0.05	<0.05		
Vanadium	7440-62-2	mg/L	10/7/2013	<0.05		<0.05	<0.05		
Vanadium	7440-62-2	mg/L	6/2/2014	<0.05					
Vanadium	7440-62-2	mg/L	10/15/2014	<0.05					
Vanadium	7440-62-2	mg/L	4/6/2015	<0.005					
Vanadium	7440-62-2	mg/L	10/5/2015	<0.005					
Vanadium	7440-62-2	mg/L	4/4/2016	<0.005					
Vanadium	7440-62-2	mg/L	10/17/2016	<0.005					
Vanadium	7440-62-2	mg/L	4/17/2017	<0.005					
Vanadium	7440-62-2	mg/L	10/11/2017	<0.005					
Vanadium	7440-62-2	mg/L	4/25/2018	<0.005					
Vanadium	7440-62-2	mg/L	10/16/2018	<0.005					
Vanadium	7440-62-2	mg/L	4/16/2019	<0.005					
Vanadium	7440-62-2	mg/L	10/1/2019	<0.005					
Vanadium	7440-62-2	mg/L	3/30/2020	<0.005					
Vanadium	7440-62-2	mg/L	10/7/2020	<0.005					
Vanadium	7440-62-2	mg/L	4/13/2021	<0.02					
Vanadium	7440-62-2	mg/L	10/20/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Vanadium	7440-62-2	mg/L	5/2/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Vanadium	7440-62-2	mg/L	10/14/2022	<0.02	<0.02	<0.02	<0.02	0.0171J	<0.02
Vanadium	7440-62-2	mg/L	5/1/2023	<0.005	<0.005	<0.005	<0.005	0.00333J	<0.005
Vanadium	7440-62-2	mg/L	10/16/2023	<0.005	0.00124J	<0.005	<0.005	0.0042J	0.00285J
Vanadium	7440-62-2	mg/L	4/29/2024	<0.005	0.00176J	<0.005	<0.005	0.00279J	<0.005
Vanadium	7440-62-2	mg/L	10/9/2024		0.00169J		<0.00500		
Vanadium	7440-62-2	mg/L	10/10/2024	<0.00500		<0.00500		0.00449J	
Vanadium	7440-62-2	mg/L	10/14/2024						<0.00500
Vanadium	7440-62-2	mg/L	4/25/2025		<0.00500				
Vanadium	7440-62-2	mg/L	4/30/2025			<0.00500	<0.00500		
Vanadium	7440-62-2	mg/L	5/5/2025					0.00239	
Vanadium	7440-62-2	mg/L	5/6/2025	<0.00500					
Vanadium	7440-62-2	mg/L	5/8/2025						<0.00500
Vinyl Acetate	108-05-4	ug/L	2/27/2008	<2	<2				
Vinyl Acetate	108-05-4	ug/L	5/12/2008	<2.5	<2.5				
Vinyl Acetate	108-05-4	ug/L	7/13/2008	<2	<2				
Vinyl Acetate	108-05-4	ug/L	9/14/2008	<2	<2				
Vinyl Acetate	108-05-4	ug/L	11/17/2008	<2	<2				
Vinyl Acetate	108-05-4	ug/L	4/14/2009	<2					
Vinyl Acetate	108-05-4	ug/L	10/25/2009	<2					
Vinyl Acetate	108-05-4	ug/L	5/10/2010	<2					
Vinyl Acetate	108-05-4	ug/L	11/1/2010	<2					
Vinyl Acetate	108-05-4	ug/L	8/11/2011			<2			
Vinyl Acetate	108-05-4	ug/L	10/13/2011	<2		<2			
Vinyl Acetate	108-05-4	ug/L	12/5/2011			<20			
Vinyl Acetate	108-05-4	ug/L	4/11/2012	<20		<20	<20		
Vinyl Acetate	108-05-4	ug/L	6/25/2012			<2	<2		
Vinyl Acetate	108-05-4	ug/L	8/1/2012			<4	<4		
Vinyl Acetate	108-05-4	ug/L	10/11/2012	<10		<10	<10		
Vinyl Acetate	108-05-4	ug/L	12/13/2012				<2		
Vinyl Acetate	108-05-4	ug/L	3/30/2013	<2		<2	<2		
Vinyl Acetate	108-05-4	ug/L	10/7/2013				<2		
Vinyl Acetate	108-05-4	ug/L	6/2/2014	<2					
Vinyl Acetate	108-05-4	ug/L	10/15/2014	<10					
Vinyl Acetate	108-05-4	ug/L	4/6/2015	<10					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Vinyl Acetate	108-05-4	ug/L	10/5/2015	<10					
Vinyl Acetate	108-05-4	ug/L	4/4/2016	<10					
Vinyl Acetate	108-05-4	ug/L	10/17/2016	<10					
Vinyl Acetate	108-05-4	ug/L	4/17/2017	<10					
Vinyl Acetate	108-05-4	ug/L	10/11/2017	<10					
Vinyl Acetate	108-05-4	ug/L	4/25/2018	<10					
Vinyl Acetate	108-05-4	ug/L	10/16/2018	<10					
Vinyl Acetate	108-05-4	ug/L	4/16/2019	<10					
Vinyl Acetate	108-05-4	ug/L	10/1/2019	<10					
Vinyl Acetate	108-05-4	ug/L	3/30/2020	<10					
Vinyl Acetate	108-05-4	ug/L	10/7/2020	<10					
Vinyl Acetate	108-05-4	ug/L	4/13/2021	<5					
Vinyl Acetate	108-05-4	ug/L	10/20/2021	<5	<5	<5	<5	<5	<5
Vinyl Acetate	108-05-4	ug/L	5/2/2022	<5	<5	<5	<5	<5	<5
Vinyl Acetate	108-05-4	ug/L	10/14/2022	<5	<5	<5	<5	<5	<5
Vinyl Acetate	108-05-4	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/16/2023	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/29/2024	<10	<10	<10	<10	<10	<10
Vinyl Chloride	75-01-4	ug/L	2/27/2008	<1	<1				
Vinyl Chloride	75-01-4	ug/L	5/12/2008	<1	<1				
Vinyl Chloride	75-01-4	ug/L	7/13/2008	<1	<1				
Vinyl Chloride	75-01-4	ug/L	9/14/2008	<1	<1				
Vinyl Chloride	75-01-4	ug/L	11/17/2008	<1	<1				
Vinyl Chloride	75-01-4	ug/L	4/14/2009	<1					
Vinyl Chloride	75-01-4	ug/L	10/25/2009	<1					
Vinyl Chloride	75-01-4	ug/L	5/10/2010	<1					
Vinyl Chloride	75-01-4	ug/L	11/1/2010	<1					
Vinyl Chloride	75-01-4	ug/L	8/11/2011			<1			
Vinyl Chloride	75-01-4	ug/L	10/13/2011	<1		<1			
Vinyl Chloride	75-01-4	ug/L	12/5/2011			<1			
Vinyl Chloride	75-01-4	ug/L	4/11/2012	<1		<1	<1		
Vinyl Chloride	75-01-4	ug/L	6/25/2012			<1	<1		
Vinyl Chloride	75-01-4	ug/L	8/1/2012			<1	<1		
Vinyl Chloride	75-01-4	ug/L	10/11/2012	<1		<1	<1		
Vinyl Chloride	75-01-4	ug/L	12/13/2012				<1		
Vinyl Chloride	75-01-4	ug/L	3/30/2013	<1		<1	<1		
Vinyl Chloride	75-01-4	ug/L	10/7/2013				<1		
Vinyl Chloride	75-01-4	ug/L	6/2/2014	<1			<1		
Vinyl Chloride	75-01-4	ug/L	10/15/2014	<1			<1		
Vinyl Chloride	75-01-4	ug/L	4/6/2015	<1			<1		
Vinyl Chloride	75-01-4	ug/L	10/5/2015	<1			<1		
Vinyl Chloride	75-01-4	ug/L	4/4/2016	<1			<1		
Vinyl Chloride	75-01-4	ug/L	10/17/2016	<1			<1		
Vinyl Chloride	75-01-4	ug/L	4/17/2017	<1			<1		
Vinyl Chloride	75-01-4	ug/L	10/11/2017	<1			<1		
Vinyl Chloride	75-01-4	ug/L	4/24/2018				<1		
Vinyl Chloride	75-01-4	ug/L	4/25/2018	<1					
Vinyl Chloride	75-01-4	ug/L	10/16/2018	<1			<1		
Vinyl Chloride	75-01-4	ug/L	4/16/2019	<1			<1		
Vinyl Chloride	75-01-4	ug/L	10/1/2019	<1			<1		
Vinyl Chloride	75-01-4	ug/L	3/30/2020	<1			<1		
Vinyl Chloride	75-01-4	ug/L	10/7/2020	<1					
Vinyl Chloride	75-01-4	ug/L	4/13/2021	<1			<1		
Vinyl Chloride	75-01-4	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
Vinyl acetate	108-05-4	ug/L	10/9/2024		<10.0		<10.0		
Vinyl acetate	108-05-4	ug/L	10/10/2024	<10.0		<10.0		<10.0	
Vinyl acetate	108-05-4	ug/L	10/14/2024						<10.0
Vinyl acetate	108-05-4	ug/L	4/25/2025		<10.0				

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Vinyl acetate	108-05-4	ug/L	4/30/2025			<10.0	<10.0		
Vinyl acetate	108-05-4	ug/L	5/5/2025					<10.0	
Vinyl acetate	108-05-4	ug/L	5/6/2025	<10.0					
Vinyl acetate	108-05-4	ug/L	5/8/2025						<10.0
Vinyl chloride	75-01-4	ug/L	10/9/2024		<1.00		<1.00		
Vinyl chloride	75-01-4	ug/L	10/10/2024	<1.00		<1.00		<1.00	
Vinyl chloride	75-01-4	ug/L	10/14/2024						<1.00
Vinyl chloride	75-01-4	ug/L	4/25/2025		<1.00				
Vinyl chloride	75-01-4	ug/L	4/30/2025			<1.00	<1.00		
Vinyl chloride	75-01-4	ug/L	5/5/2025					<1.00	
Vinyl chloride	75-01-4	ug/L	5/6/2025	<1.00					
Vinyl chloride	75-01-4	ug/L	5/8/2025						<1.00
Xylenes, Total	1330-20-7	ug/L	2/27/2008	<3	<3				
Xylenes, Total	1330-20-7	ug/L	5/12/2008	<3	<3				
Xylenes, Total	1330-20-7	ug/L	7/13/2008	<3	<3				
Xylenes, Total	1330-20-7	ug/L	9/14/2008	<3	<3				
Xylenes, Total	1330-20-7	ug/L	11/17/2008	<3	<3				
Xylenes, Total	1330-20-7	ug/L	4/14/2009	<3					
Xylenes, Total	1330-20-7	ug/L	10/25/2009	<6					
Xylenes, Total	1330-20-7	ug/L	5/10/2010	<6					
Xylenes, Total	1330-20-7	ug/L	11/1/2010	<3					
Xylenes, Total	1330-20-7	ug/L	8/11/2011			<3			
Xylenes, Total	1330-20-7	ug/L	10/13/2011	<3		<3			
Xylenes, Total	1330-20-7	ug/L	12/5/2011			<3			
Xylenes, Total	1330-20-7	ug/L	4/11/2012	<3		<3	<3		
Xylenes, Total	1330-20-7	ug/L	6/25/2012			<3	<3		
Xylenes, Total	1330-20-7	ug/L	8/1/2012			<3	<3		
Xylenes, Total	1330-20-7	ug/L	10/11/2012	<3		<3	<3		
Xylenes, Total	1330-20-7	ug/L	12/13/2012				<3		
Xylenes, Total	1330-20-7	ug/L	3/30/2013	<3		<3	<3		
Xylenes, Total	1330-20-7	ug/L	10/7/2013				<3		
Xylenes, Total	1330-20-7	ug/L	6/2/2014	<3					
Xylenes, Total	1330-20-7	ug/L	10/15/2014	<3					
Xylenes, Total	1330-20-7	ug/L	4/6/2015	<3					
Xylenes, Total	1330-20-7	ug/L	10/5/2015	<3					
Xylenes, Total	1330-20-7	ug/L	4/4/2016	<3					
Xylenes, Total	1330-20-7	ug/L	10/17/2016	<3					
Xylenes, Total	1330-20-7	ug/L	4/17/2017	<3					
Xylenes, Total	1330-20-7	ug/L	10/11/2017	<3					
Xylenes, Total	1330-20-7	ug/L	4/25/2018	<3					
Xylenes, Total	1330-20-7	ug/L	10/16/2018	<3					
Xylenes, Total	1330-20-7	ug/L	4/16/2019	<3					
Xylenes, Total	1330-20-7	ug/L	10/1/2019	<3					
Xylenes, Total	1330-20-7	ug/L	3/30/2020	<3					
Xylenes, Total	1330-20-7	ug/L	10/7/2020	<3					
Xylenes, Total	1330-20-7	ug/L	4/13/2021	<2					
Xylenes, Total	1330-20-7	ug/L	10/20/2021	<2	<2	<2	<2	<2	<2
Xylenes, Total	1330-20-7	ug/L	5/2/2022	<2	<2	<2	<2	<2	<2
Xylenes, Total	1330-20-7	ug/L	10/14/2022	<2	<2	<2	<2	<2	<2
Xylenes, Total	1330-20-7	ug/L	5/1/2023	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/16/2023	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	4/29/2024	<3	<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/9/2024		<3.00		<3.00		
Xylenes, Total	1330-20-7	ug/L	10/10/2024	<3.00		<3.00		<3.00	
Xylenes, Total	1330-20-7	ug/L	10/14/2024						<3.00
Xylenes, Total	1330-20-7	ug/L	4/25/2025		<3.00				
Xylenes, Total	1330-20-7	ug/L	4/30/2025			<3.00	<3.00		
Xylenes, Total	1330-20-7	ug/L	5/5/2025					<3.00	
Xylenes, Total	1330-20-7	ug/L	5/6/2025	<3.00					
Xylenes, Total	1330-20-7	ug/L	5/8/2025						<3.00
Zinc	7440-66-6	mg/L	2/27/2008	<0.1	<0.1				
Zinc	7440-66-6	mg/L	5/12/2008	<0.1	<0.1				
Zinc	7440-66-6	mg/L	7/13/2008	<0.1	<0.1				

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
Zinc	7440-66-6	mg/L	9/14/2008	<0.1	<0.1				
Zinc	7440-66-6	mg/L	11/17/2008	<0.02	<0.02				
Zinc	7440-66-6	mg/L	4/14/2009	<0.1					
Zinc	7440-66-6	mg/L	10/25/2009	<0.1					
Zinc	7440-66-6	mg/L	5/10/2010	<0.02					
Zinc	7440-66-6	mg/L	8/11/2011			<0.1			
Zinc	7440-66-6	mg/L	10/13/2011			<0.02			
Zinc	7440-66-6	mg/L	12/5/2011			<0.02			
Zinc	7440-66-6	mg/L	4/11/2012	<0.02		<0.02	0.022		
Zinc	7440-66-6	mg/L	6/25/2012			<0.02	<0.02		
Zinc	7440-66-6	mg/L	8/1/2012			<0.02	<0.02		
Zinc	7440-66-6	mg/L	10/11/2012	<0.02		<0.02	<0.02		
Zinc	7440-66-6	mg/L	12/13/2012				0.0209		
Zinc	7440-66-6	mg/L	3/30/2013	0.0458		0.0237	0.0259		
Zinc	7440-66-6	mg/L	10/7/2013	0.126; 0.124		0.0674	0.061		
Zinc	7440-66-6	mg/L	6/2/2014	<0.02					
Zinc	7440-66-6	mg/L	10/15/2014	<0.02					
Zinc	7440-66-6	mg/L	4/6/2015	<0.01					
Zinc	7440-66-6	mg/L	10/5/2015	<0.01					
Zinc	7440-66-6	mg/L	4/4/2016	<0.01					
Zinc	7440-66-6	mg/L	10/17/2016	<0.01					
Zinc	7440-66-6	mg/L	4/17/2017	<0.02					
Zinc	7440-66-6	mg/L	10/11/2017	<0.02					
Zinc	7440-66-6	mg/L	4/25/2018	<0.02					
Zinc	7440-66-6	mg/L	10/16/2018	<0.02					
Zinc	7440-66-6	mg/L	4/16/2019	<0.02					
Zinc	7440-66-6	mg/L	10/1/2019	<0.02					
Zinc	7440-66-6	mg/L	3/30/2020	<0.02					
Zinc	7440-66-6	mg/L	10/7/2020	<0.02					
Zinc	7440-66-6	mg/L	4/13/2021	<0.02					
Zinc	7440-66-6	mg/L	10/20/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	5/2/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/14/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	5/1/2023	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/16/2023	0.0102J	0.00681J	<0.02	<0.02	<0.02	0.00924J
Zinc	7440-66-6	mg/L	4/29/2024	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/9/2024		<0.0200		<0.0200		
Zinc	7440-66-6	mg/L	10/10/2024	<0.0200		<0.0200		<0.0200	
Zinc	7440-66-6	mg/L	10/14/2024						<0.0200
Zinc	7440-66-6	mg/L	4/25/2025		<0.0200				
Zinc	7440-66-6	mg/L	4/30/2025			<0.0200	<0.0200		
Zinc	7440-66-6	mg/L	5/5/2025					<0.0200	
Zinc	7440-66-6	mg/L	5/6/2025	<0.0200					
Zinc	7440-66-6	mg/L	5/8/2025						<0.0200
alpha-BHC	319-84-6	ug/L	4/25/2025		<0.0964				
alpha-BHC	319-84-6	ug/L	5/6/2025	<0.0904					
beta-BHC	319-85-7	ug/L	4/25/2025		<0.0964				
beta-BHC	319-85-7	ug/L	5/6/2025	<0.0904					
bis (2-chloroisopropyl) ether	108-60-1	ug/L	4/25/2025		<10.6				
bis (2-chloroisopropyl) ether	108-60-1	ug/L	5/6/2025	<10.4					
cis-1,2-Dichloroethene	156-59-2	ug/L	2/27/2008	<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	5/12/2008	<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	7/13/2008	<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	9/14/2008	<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	11/17/2008	<1	<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/14/2009	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	10/25/2009	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	5/10/2010	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	11/1/2010	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	8/11/2011			<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	10/13/2011	<1		<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	12/5/2011			<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	4/11/2012	<1		<1	<1		

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
cis-1,2-Dichloroethene	156-59-2	ug/L	6/25/2012			<1	<1		
cis-1,2-Dichloroethene	156-59-2	ug/L	8/1/2012			<1	<1		
cis-1,2-Dichloroethene	156-59-2	ug/L	10/11/2012	<1		<1	<1		
cis-1,2-Dichloroethene	156-59-2	ug/L	12/13/2012				<1		
cis-1,2-Dichloroethene	156-59-2	ug/L	3/30/2013	<1		<1	<1		
cis-1,2-Dichloroethene	156-59-2	ug/L	10/7/2013				<1		
cis-1,2-Dichloroethene	156-59-2	ug/L	6/2/2014	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	10/15/2014	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	4/6/2015	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	10/5/2015	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	4/4/2016	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	10/17/2016	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	4/17/2017	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	10/11/2017	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	4/25/2018	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	10/16/2018	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	4/16/2019	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	10/1/2019	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	3/30/2020	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	10/7/2020	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	4/13/2021	<1					
cis-1,2-Dichloroethene	156-59-2	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	5/2/2022	<1; 0.6J	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/9/2024		<1.00		<1.00		
cis-1,2-Dichloroethene	156-59-2	ug/L	10/10/2024	<1.00		<1.00		<1.00	
cis-1,2-Dichloroethene	156-59-2	ug/L	10/14/2024						<1.00
cis-1,2-Dichloroethene	156-59-2	ug/L	4/25/2025		<1.00				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/30/2025			<1.00	<1.00		
cis-1,2-Dichloroethene	156-59-2	ug/L	5/5/2025					<1.00	
cis-1,2-Dichloroethene	156-59-2	ug/L	5/6/2025	<1.00					
cis-1,2-Dichloroethene	156-59-2	ug/L	5/8/2025						<1.00
cis-1,3-Dichloropropene	10061-01-5	ug/L	2/27/2008	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/12/2008	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	7/13/2008	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	9/14/2008	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	11/17/2008	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/14/2009	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/25/2009	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/10/2010	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	11/1/2010	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	8/11/2011			<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/13/2011	<5		<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	12/5/2011			<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/11/2012	<5		<5	<5		
cis-1,3-Dichloropropene	10061-01-5	ug/L	6/25/2012			<5	<5		
cis-1,3-Dichloropropene	10061-01-5	ug/L	8/1/2012			<5	<5		
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/11/2012	<5		<5	<5		
cis-1,3-Dichloropropene	10061-01-5	ug/L	12/13/2012				<5		
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/30/2013	<5		<5	<5		
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/7/2013				<5		
cis-1,3-Dichloropropene	10061-01-5	ug/L	6/2/2014	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/15/2014	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/6/2015	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/5/2015	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/4/2016	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/17/2016	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/17/2017	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/11/2017	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/25/2018	<5					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/16/2018	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/16/2019	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/1/2019	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/30/2020	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/7/2020	<5					
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/13/2021	<1					
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/16/2023	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/29/2024	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/9/2024		<5.00		<5.00		
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/10/2024	<5.00		<5.00		<5.00	
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/14/2024						<5.00
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/25/2025		<5.00				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/30/2025			<5.00	<5.00		
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/5/2025					<5.00	
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/6/2025	<5.00					
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/8/2025						<5.00
delta-BHC	319-86-8	ug/L	4/25/2025		<0.0964				
delta-BHC	319-86-8	ug/L	5/6/2025	<0.0904					
gamma-BHC (Lindane)	58-89-9	ug/L	4/25/2025		<0.0964				
gamma-BHC (Lindane)	58-89-9	ug/L	5/6/2025	<0.0904					
m/p-Cresol	T-34MP	ug/L	4/14/2009	<10					
m/p-Cresol	T-34MP	ug/L	5/10/2010	<10					
m/p-Cresol	T-34MP	ug/L	3/30/2013			<10	<10		
m/p-Cresol	T-34MP	ug/L	10/5/2015	<10					
m/p-Cresol	T-34MP	ug/L	3/30/2020	<10.4					
o,o',o''-Triethylphosphorothioate	126-68-1	ug/L	4/25/2025		<10.6				
o,o',o''-Triethylphosphorothioate	126-68-1	ug/L	5/6/2025	<10.4					
o-Toluidine	95-53-4	ug/L	4/25/2025		<10.6				
o-Toluidine	95-53-4	ug/L	5/6/2025	<10.4					
p-Chloroaniline	106-47-8	ug/L	4/14/2009	<10					
p-Chloroaniline	106-47-8	ug/L	5/10/2010	<10					
p-Chloroaniline	106-47-8	ug/L	3/30/2013			<10	<10		
p-Chloroaniline	106-47-8	ug/L	10/5/2015	<10					
p-Chloroaniline	106-47-8	ug/L	3/30/2020	<10.4					
p-Dimethylamino azobenzene	60-11-7	ug/L	4/25/2025		<10.6				
p-Dimethylamino azobenzene	60-11-7	ug/L	5/6/2025	<10.4					
trans-1,2-Dichloroethene	156-60-5	ug/L	2/27/2008	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	5/12/2008	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	7/13/2008	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	9/14/2008	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	11/17/2008	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/14/2009	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	10/25/2009	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	5/10/2010	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	11/1/2010	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	8/11/2011			<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	10/13/2011	<1		<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	12/5/2011			<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	4/11/2012	<1		<1	<1		
trans-1,2-Dichloroethene	156-60-5	ug/L	6/25/2012			<1	<1		
trans-1,2-Dichloroethene	156-60-5	ug/L	8/1/2012			<1	<1		
trans-1,2-Dichloroethene	156-60-5	ug/L	10/11/2012	<1		<1	<1		
trans-1,2-Dichloroethene	156-60-5	ug/L	12/13/2012				<1		
trans-1,2-Dichloroethene	156-60-5	ug/L	3/30/2013	<1		<1	<1		
trans-1,2-Dichloroethene	156-60-5	ug/L	10/7/2013				<1		
trans-1,2-Dichloroethene	156-60-5	ug/L	6/2/2014	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	10/15/2014	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	4/6/2015	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	10/5/2015	<1					

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
trans-1,2-Dichloroethene	156-60-5	ug/L	4/4/2016	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	10/17/2016	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	4/17/2017	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	10/11/2017	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	4/25/2018	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	10/16/2018	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	4/16/2019	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	10/1/2019	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	3/30/2020	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	10/7/2020	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	4/13/2021	<1					
trans-1,2-Dichloroethene	156-60-5	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/9/2024		<1.00		<1.00		
trans-1,2-Dichloroethene	156-60-5	ug/L	10/10/2024	<1.00		<1.00		<1.00	
trans-1,2-Dichloroethene	156-60-5	ug/L	10/14/2024						<1.00
trans-1,2-Dichloroethene	156-60-5	ug/L	4/25/2025		<1.00				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/30/2025			<1.00	<1.00		
trans-1,2-Dichloroethene	156-60-5	ug/L	5/5/2025					<1.00	
trans-1,2-Dichloroethene	156-60-5	ug/L	5/6/2025	<1.00					
trans-1,2-Dichloroethene	156-60-5	ug/L	5/8/2025						<1.00
trans-1,3-Dichloropropene	10061-02-6	ug/L	2/27/2008	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/12/2008	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	7/13/2008	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	9/14/2008	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	11/17/2008	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/14/2009	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/25/2009	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/10/2010	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	11/1/2010	<10					
trans-1,3-Dichloropropene	10061-02-6	ug/L	8/11/2011			<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/13/2011	<5		<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	12/5/2011			<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/11/2012	<5		<5	<5		
trans-1,3-Dichloropropene	10061-02-6	ug/L	6/25/2012			<5	<5		
trans-1,3-Dichloropropene	10061-02-6	ug/L	8/1/2012			<5	<5		
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/11/2012	<5		<5	<5		
trans-1,3-Dichloropropene	10061-02-6	ug/L	12/13/2012				<5		
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/30/2013	<5		<5	<5		
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/7/2013				<5		
trans-1,3-Dichloropropene	10061-02-6	ug/L	6/2/2014	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/15/2014	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/6/2015	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/5/2015	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/4/2016	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/17/2016	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/17/2017	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/11/2017	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/25/2018	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/16/2018	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/16/2019	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/1/2019	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/30/2020	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/7/2020	<5					
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/13/2021	<1					
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/20/2021	<1	<1	<1	<1	<1	0.5J
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5

Table 9A
Analytical Data Summary - AZPOC Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1B	MW-10B	MW-310A	MW-312A	MW-408	MW-410
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/16/2023	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/29/2024	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/9/2024		<5.00		<5.00		
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/10/2024	<5.00		<5.00		<5.00	
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/14/2024						<5.00
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/25/2025		<5.00				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/30/2025			<5.00	<5.00		
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/5/2025					<5.00	
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/6/2025	<5.00					
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/8/2025						<5.00
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	2/27/2008	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/12/2008	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	7/13/2008	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	9/14/2008	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	11/17/2008	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/14/2009	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/25/2009	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/10/2010	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	11/1/2010	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	8/11/2011			<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/13/2011	<10		<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	12/5/2011			<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/11/2012	<20		<20	<10		
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	6/25/2012			<10	<10		
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	8/1/2012			<10	<10		
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/11/2012	<10		<10	<10		
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	12/13/2012				<10		
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/30/2013	<10		<10	<10		
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/7/2013				<10		
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	6/2/2014	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/15/2014	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/6/2015	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/5/2015	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/4/2016	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/17/2016	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/17/2017	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/11/2017	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/25/2018	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/16/2018	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/16/2019	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/1/2019	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/30/2020	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/7/2020	<10					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/13/2021	<5					
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/20/2021	<5	<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/2/2022	<5	<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/14/2022	<5	<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/16/2023	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/29/2024	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	10/9/2024		<10.0		<10.0		
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	10/10/2024	<10.0		<10.0		<10.0	
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	10/14/2024						<10.0
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	4/25/2025		<10.0				
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	4/30/2025			<10.0	<10.0		
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	5/5/2025					<10.0	
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	5/6/2025	<10.0					
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	5/8/2025						<10.0

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	2/27/2008	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/12/2008	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	7/13/2008	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	9/14/2008	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	11/17/2008	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/14/2009	<1	<1	<1	<1	<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	7/7/2009						<1	<1	<20	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	9/2/2009						<1	<1	<10	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/25/2009	<2	<5	<2	<2	<2	<2	<2	<20	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	1/2/2010						<4	<4	<40	<5
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/3/2010						<2	<2	<2	<2
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4	<4	<20	<4
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	11/1/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<2.1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/23/2018					<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/24/2018				<1			<1		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/25/2018			<1					<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/27/2018	<1	<1							
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/9/2024			<1.00				<1.00	<1.00	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/14/2024	<1.00	<1.00							
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/29/2025				<1.00	<1.00	<1.00			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/8/2025	<1.00	<1.00							
1,1,1-Trichloroethane	71-55-6	ug/L	2/27/2008	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	5/12/2008	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	7/13/2008	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	9/14/2008	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	11/17/2008	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	4/14/2009	<1	<1	<1	<1	<1				
1,1,1-Trichloroethane	71-55-6	ug/L	7/7/2009						<1	<1	<20	<1
1,1,1-Trichloroethane	71-55-6	ug/L	9/2/2009						<1	<1	<10	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/25/2009	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,1-Trichloroethane	71-55-6	ug/L	1/2/2010						<4	<4	<40	<10
1,1,1-Trichloroethane	71-55-6	ug/L	3/3/2010						<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	5/10/2010	<1	<4	<4	<4	<4	<4	<4	<20	<4
1,1,1-Trichloroethane	71-55-6	ug/L	11/1/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
1,1,1-Trichloroethane	71-55-6	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,1-Trichloroethane	71-55-6	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1.2	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
1,1,1-Trichloroethane	71-55-6	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/23/2018					<1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	4/24/2018				<1			<1		
1,1,1-Trichloroethane	71-55-6	ug/L	4/25/2018			<1					<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/27/2018	<1	<1							
1,1,1-Trichloroethane	71-55-6	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,1-Trichloroethane	71-55-6	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/9/2024			<1.00				<1.00	<1.00	
1,1,1-Trichloroethane	71-55-6	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
1,1,1-Trichloroethane	71-55-6	ug/L	10/14/2024	<1.00	<1.00							
1,1,1-Trichloroethane	71-55-6	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
1,1,1-Trichloroethane	71-55-6	ug/L	4/29/2025				<1.00	<1.00	<1.00			
1,1,1-Trichloroethane	71-55-6	ug/L	5/8/2025	<1.00	<1.00							
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	2/27/2008	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/12/2008	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	7/13/2008	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	9/14/2008	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	11/17/2008	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/14/2009	<1	<1	<1	<1	<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	7/7/2009						<1	<1	<20	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	9/2/2009						<1	<1	<10	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/25/2009	<2	<1	<2	<2	<2	<2	<2	<20	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	1/2/2010						<1	<1	<10	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/3/2010						<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/10/2010	<4	<1	<1	<1	<1	<1	<1	<5	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	11/1/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/23/2018					<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/24/2018				<1			<1		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/25/2018			<1					<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/27/2018	<1	<1							

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/9/2024			<1.00				<1.00	<1.00	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/14/2024	<1.00	<1.00							
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/29/2025				<1.00	<1.00	<1.00			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/8/2025	<1.00	<1.00							
1,1,2-Trichloroethane	79-00-5	ug/L	2/27/2008	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	5/12/2008	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	7/13/2008	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	9/14/2008	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	11/17/2008	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	4/14/2009	<1	<1	<1	<1	<1				
1,1,2-Trichloroethane	79-00-5	ug/L	7/7/2009						<1	<1	<20	<1
1,1,2-Trichloroethane	79-00-5	ug/L	9/2/2009						<1	<1	<10	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/25/2009	<2	<1	<2	<2	<2	<2	<2	<20	<1
1,1,2-Trichloroethane	79-00-5	ug/L	1/2/2010						<1	<1	<10	<1
1,1,2-Trichloroethane	79-00-5	ug/L	3/3/2010						<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1,2-Trichloroethane	79-00-5	ug/L	11/1/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,2-Trichloroethane	79-00-5	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1.2	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
1,1,2-Trichloroethane	79-00-5	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/23/2018					<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	4/24/2018				<1			<1		
1,1,2-Trichloroethane	79-00-5	ug/L	4/25/2018			<1					<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/27/2018	<1	<1							
1,1,2-Trichloroethane	79-00-5	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,1,2-Trichloroethane	79-00-5	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/9/2024			<1.00				<1.00	<1.00	
1,1,2-Trichloroethane	79-00-5	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
1,1,2-Trichloroethane	79-00-5	ug/L	10/14/2024	<1.00	<1.00							

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
1,1,2-Trichloroethane	79-00-5	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
1,1,2-Trichloroethane	79-00-5	ug/L	4/29/2025				<1.00	<1.00	<1.00			
1,1,2-Trichloroethane	79-00-5	ug/L	5/8/2025	<1.00	<1.00							
1,1-Dichloroethane	75-34-3	ug/L	2/27/2008	<1	<1	<1	1.2	14.5				
1,1-Dichloroethane	75-34-3	ug/L	5/12/2008	<1	<1	<1	1.67	7.11				
1,1-Dichloroethane	75-34-3	ug/L	7/13/2008	<1	<1	<1	1.66	8.6				
1,1-Dichloroethane	75-34-3	ug/L	9/14/2008	<1	<1	<1	1.33	15.7				
1,1-Dichloroethane	75-34-3	ug/L	11/17/2008	<1	<1	<1	1.39	<1				
1,1-Dichloroethane	75-34-3	ug/L	4/14/2009	<1	<1	<1	<1	15				
1,1-Dichloroethane	75-34-3	ug/L	7/7/2009					15.5	27.9; 39	<1	<20	<1
1,1-Dichloroethane	75-34-3	ug/L	9/2/2009					14	40.2	<1	<10	<1
1,1-Dichloroethane	75-34-3	ug/L	10/25/2009	<1	<1	<1	<1	13.1	46.6	<1	<10	<1
1,1-Dichloroethane	75-34-3	ug/L	1/2/2010					13	44.7	<1	<10	<1
1,1-Dichloroethane	75-34-3	ug/L	3/3/2010						55.1	<1	1.17	<1
1,1-Dichloroethane	75-34-3	ug/L	5/10/2010	<1	<1	<1	<1	11.1	47.4	<1	<5	<1
1,1-Dichloroethane	75-34-3	ug/L	7/8/2010						45.5			
1,1-Dichloroethane	75-34-3	ug/L	9/13/2010						55.7			
1,1-Dichloroethane	75-34-3	ug/L	11/1/2010	<1	<1	<1	<1	14	57.4	<1	<5	<1
1,1-Dichloroethane	75-34-3	ug/L	1/10/2011						42.4			
1,1-Dichloroethane	75-34-3	ug/L	4/4/2011					13.3	39			
1,1-Dichloroethane	75-34-3	ug/L	10/13/2011	<1	<1	<1	<1	14.5	40.2	<1	<5	<1
1,1-Dichloroethane	75-34-3	ug/L	4/11/2012	<1	<1	<1	<1	12.7	37.2	<1	<10	<1
1,1-Dichloroethane	75-34-3	ug/L	10/11/2012	<1	<1	<1	<1	18.6	44.9	<1	<10	<1
1,1-Dichloroethane	75-34-3	ug/L	3/30/2013	<1	<1	<1	<1	16.7	39.6	<1	<2.1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/7/2013		<1	<1	<1	14.4; 14.7	36.2	<1		<1
1,1-Dichloroethane	75-34-3	ug/L	6/2/2014	<1	<1	<1	<1	14.4	35.8	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/15/2014	<1	<1	<1	0.742J	14.3	47.2	<1	<10	<1
1,1-Dichloroethane	75-34-3	ug/L	4/6/2015	<1	<1	<1	0.802J	12.8	32.4	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/5/2015	<1	<1	<1	<1	18.1	37.5	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/4/2016	<1	<1	<1	0.829J	11.6	31.2	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/17/2016	<1	<1	<1	0.939J	18.3	39.6	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/17/2017	<1	<1	<1	0.616J	10.5	35.3	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/11/2017	<1	<1	<1	0.727J	16	27.9	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/23/2018					13.1	28.6			
1,1-Dichloroethane	75-34-3	ug/L	4/24/2018				<1			<1		
1,1-Dichloroethane	75-34-3	ug/L	4/25/2018			<1					<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/27/2018	<1	<1							
1,1-Dichloroethane	75-34-3	ug/L	10/16/2018	<1	<1	<1	<1	13.4	23.6	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/16/2019	<1	<1	<1	0.535J	12.4	17.5	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/1/2019	<1	<1	<1	0.642J	15	29.5	<1	<10	<1
1,1-Dichloroethane	75-34-3	ug/L	3/30/2020	<1	<1	<1	0.451J	10.4	16.4	<1	<5	<1
1,1-Dichloroethane	75-34-3	ug/L	10/7/2020	<1	<1	<1	0.421J	10	19.7	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/13/2021	<1	<1	<1	<1	6.2	12.9	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/20/2021	<1	<1	<1	0.4J	10.6	16.6	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	5/2/2022	<1	<1	<1	<1	7.7	14.5	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/14/2022	<1	<1	<1	<1	8.8	11.2	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	5/1/2023	<1	<1	<1	<1	7.15	12.7	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/16/2023	<1	<1	<1	<1	8.74	10.8	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	4/29/2024	<1	<1	<1	0.228J	7.73	9.25	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/9/2024			<1.00				<1.00	<1.00	
1,1-Dichloroethane	75-34-3	ug/L	10/10/2024				0.259J	7.77	3.13			<1.00
1,1-Dichloroethane	75-34-3	ug/L	10/14/2024	<1.00	<1.00							
1,1-Dichloroethane	75-34-3	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
1,1-Dichloroethane	75-34-3	ug/L	4/29/2025				<1.00	3.30	1.61			
1,1-Dichloroethane	75-34-3	ug/L	5/8/2025	<1.00	<1.00							
1,1-Dichloroethene	75-35-4	ug/L	2/27/2008	<2	<2	<2	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	5/12/2008	<2	<2	<2	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	7/13/2008	<2	<2	<2	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	9/14/2008	<2	<2	<2	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	11/17/2008	<2	<2	<2	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	4/14/2009	<2	<2	<2	<2	<2				
1,1-Dichloroethene	75-35-4	ug/L	7/7/2009						<2	<2	<40	<2
1,1-Dichloroethene	75-35-4	ug/L	9/2/2009						<2	<2	<20	<2

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
1,1-Dichloroethene	75-35-4	ug/L	10/25/2009	<2	<2	<2	<2	<2	<2	<2	<20	<2
1,1-Dichloroethene	75-35-4	ug/L	1/2/2010						<2	<2	<20	<2
1,1-Dichloroethene	75-35-4	ug/L	3/3/2010						<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	5/10/2010	<10	<2	<2	<2	<2	<2	<2	<10	<2
1,1-Dichloroethene	75-35-4	ug/L	11/1/2010	<2	<2	<2	<2	<2	<2	<2	<10	<2
1,1-Dichloroethene	75-35-4	ug/L	10/13/2011	<2	<2	<2	<2	<2	<2	<2	<10	<2
1,1-Dichloroethene	75-35-4	ug/L	4/11/2012	<2	<2	<2	<2	<2	<2	<2	<20	<2
1,1-Dichloroethene	75-35-4	ug/L	10/11/2012	<2	<2	<2	<2	<2	<2	<2	<20	<2
1,1-Dichloroethene	75-35-4	ug/L	3/30/2013	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/7/2013		<2	<2	<2	<2	<2	<2		<2
1,1-Dichloroethene	75-35-4	ug/L	6/2/2014	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/15/2014	<2	<2	<2	<2	<2	<2	<2	<20	<2
1,1-Dichloroethene	75-35-4	ug/L	4/6/2015	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/5/2015	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/4/2016	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/17/2016	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/17/2017	<2	<2	<2	<2	0.162J	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/11/2017	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/23/2018					<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	4/24/2018				<2			<2		
1,1-Dichloroethene	75-35-4	ug/L	4/25/2018			<2					<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/27/2018	<2	<2							
1,1-Dichloroethene	75-35-4	ug/L	10/16/2018	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/16/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/1/2019	<2	<2	<2	<2	<2	<2	<2	<20	<2
1,1-Dichloroethene	75-35-4	ug/L	3/30/2020	<2	<2	<2	<2	<2	<2	<2	<10	<2
1,1-Dichloroethene	75-35-4	ug/L	10/7/2020	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	75-35-4	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	75-35-4	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	75-35-4	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	75-35-4	ug/L	5/1/2023	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/16/2023	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	4/29/2024	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/9/2024			<2.00				<2.00	<2.00	
1,1-Dichloroethene	75-35-4	ug/L	10/10/2024				<2.00	<2.00	<2.00			<2.00
1,1-Dichloroethene	75-35-4	ug/L	10/14/2024	<2.00	<2.00							
1,1-Dichloroethene	75-35-4	ug/L	4/28/2025			<2.00				<2.00	<2.00	<2.00
1,1-Dichloroethene	75-35-4	ug/L	4/29/2025				<2.00	<2.00	<2.00			
1,1-Dichloroethene	75-35-4	ug/L	5/8/2025	<2.00	<2.00							
1,1-Dichloropropene	563-58-6	ug/L	4/14/2009	<1	<1	<1	<1	<1				
1,1-Dichloropropene	563-58-6	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1-Dichloropropene	563-58-6	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloropropene	563-58-6	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,1-Dichloropropene	563-58-6	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
1,1-Dichloropropene	563-58-6	ug/L	4/29/2025				<1.00	<1.00	<1.00			
1,1-Dichloropropene	563-58-6	ug/L	5/8/2025	<1.00	<1.00							
1,2,3-Trichloropropane	96-18-4	ug/L	2/27/2008	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	5/12/2008	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	7/13/2008	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	9/14/2008	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	11/17/2008	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	4/14/2009	<1	<1	<1	<1	<1				
1,2,3-Trichloropropane	96-18-4	ug/L	7/7/2009						<1	<1	<20	<1
1,2,3-Trichloropropane	96-18-4	ug/L	9/2/2009						<1	<1	<10	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/25/2009	<2	<1	<2	<2	<2	<2	<2	<20	<1
1,2,3-Trichloropropane	96-18-4	ug/L	1/2/2010						<1	<1	<10	<1
1,2,3-Trichloropropane	96-18-4	ug/L	3/3/2010						<2	<2	<2	<2
1,2,3-Trichloropropane	96-18-4	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,2,3-Trichloropropane	96-18-4	ug/L	11/1/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/13/2011	<4	<1	<1	<4	<4	<4	<4	<20	<4
1,2,3-Trichloropropane	96-18-4	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
1,2,3-Trichloropropane	96-18-4	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1.9	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
1,2,3-Trichloropropane	96-18-4	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/23/2018					<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	4/24/2018				<1			<1		
1,2,3-Trichloropropane	96-18-4	ug/L	4/25/2018			<1					<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/27/2018	<1	<1							
1,2,3-Trichloropropane	96-18-4	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,2,3-Trichloropropane	96-18-4	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/9/2024			<1.00				<1.00	<1.00	
1,2,3-Trichloropropane	96-18-4	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
1,2,3-Trichloropropane	96-18-4	ug/L	10/14/2024	<1.00	<1.00							
1,2,3-Trichloropropane	96-18-4	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
1,2,3-Trichloropropane	96-18-4	ug/L	4/29/2025				<1.00	<1.00	<1.00			
1,2,3-Trichloropropane	96-18-4	ug/L	5/8/2025	<1.00	<1.00							
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/14/2009	<10	<10	<10	<50	<10				
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	4/29/2025				<10.0	<10.0	<10.0			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/8/2025	<10.0	<10.9							
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/14/2009	<5	<5	<5	<5	<5				
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/10/2010	<5	<10	<10	<10	<10	<10	<10	<50	<10
1,2,4-Trichlorobenzene	120-82-1	ug/L	10/5/2015	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	120-82-1	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<25	<5
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/28/2025			<5.00				<5.00	<5.00	<5.00
1,2,4-Trichlorobenzene	120-82-1	ug/L	4/29/2025				<5.00	<5.00	<5.00			
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/8/2025	<5.00	<5.00							
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	2/27/2008	<10	<10	<10	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/12/2008	<10	<10	<10	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	7/13/2008	<10	<10	<10	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	9/14/2008	<10	<10	<10	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	11/17/2008	<10	<10	<10	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/14/2009	<10	<10	<10	<10	<10				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	7/7/2009						<10	<10	<200	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	9/2/2009						<10	<10	<100	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10	<10	<100	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	1/2/2010						<10	<10	<100	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/3/2010						<10	<10	<10	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	11/1/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/13/2011	<10	<10	<10	<10	<10	<10	<10	<50	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/7/2013		<10	<10	<10	<10	<10	<10		<10
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	6/2/2014	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/15/2014	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<1.2	<0.12
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/6/2015	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/5/2015	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/4/2016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/17/2016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/17/2017	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/11/2017	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/23/2018					<0.5	<0.5			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/24/2018				<0.5			<0.5		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/25/2018			<0.5					<0.5	<0.5
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/27/2018	<0.5	<0.5							
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/16/2018	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/16/2019	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/1/2019	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<12	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/30/2020	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<6	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/7/2020	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/13/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/20/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/2/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/14/2022	<0.02	<0.02	<0.02; <5	<0.02; <5	<0.02; <5	<5; <0.02	<0.02; <5	<5; <0.02	<0.02
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/1/2023	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/16/2023	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/29/2024	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/9/2024			<1.20				<1.20	<1.20	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/10/2024				<1.20	<1.20	<1.20			<1.20
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/14/2024	<1.20	<1.20							
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/28/2025			<1.20				<1.20	<1.20	<1.20
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/29/2025				<1.20	<1.20	<1.20			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/8/2025	<1.20	<1.20							
1,2-Dibromoethane (EDB)	106-93-4	ug/L	2/27/2008	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/12/2008	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	7/13/2008	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	9/14/2008	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	11/17/2008	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/14/2009	<10	<10	<10	<10	<10				
1,2-Dibromoethane (EDB)	106-93-4	ug/L	7/7/2009						<10	<10	<200	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	9/2/2009						<10	<10	<100	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10	<10	<100	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	1/2/2010						<10	<10	<100	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	3/3/2010						<10	<10	<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	11/1/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/13/2011	<10	<10	<10	<10	<10	<10	<10	<50	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/7/2013		<10	<10	<10	<10	<10	<10		<10
1,2-Dibromoethane (EDB)	106-93-4	ug/L	6/2/2014	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/15/2014	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<1.3	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/6/2015	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/5/2015	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/4/2016	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/17/2016	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/17/2017	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/11/2017	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/23/2018					<0.13	<0.13			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/24/2018				<0.13			<0.13		
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/25/2018			<0.13					<0.13	<0.13
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/27/2018	<0.13	<0.13							
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/16/2018	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/16/2019	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/1/2019	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<3.4	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	3/30/2020	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<1.7	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/7/2020	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/13/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/20/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/2/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/14/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/1/2023	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/16/2023	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/29/2024	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/9/2024			<0.340				<0.340	<0.340	
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/10/2024				<0.340	<0.340	<0.340			<0.340
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/14/2024	<0.340	<0.340							
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/28/2025			<0.340				<0.340	<0.340	<0.340
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/29/2025				<0.340	<0.340	<0.340			
1,2-Dibromoethane (EDB)	106-93-4	ug/L	5/8/2025	<0.340	<0.340							
1,2-Dichlorobenzene	95-50-1	ug/L	2/27/2008	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	5/12/2008	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	7/13/2008	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	9/14/2008	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	11/17/2008	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	4/14/2009	<1	<1	<1	<1	<1				
1,2-Dichlorobenzene	95-50-1	ug/L	7/7/2009						<1	<1	<20	<1
1,2-Dichlorobenzene	95-50-1	ug/L	9/2/2009						<1	<1	<10	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/25/2009	<2	<1	<2	<2	<2	<2	<2	<20	<1
1,2-Dichlorobenzene	95-50-1	ug/L	1/2/2010						<1	<1	<10	<1
1,2-Dichlorobenzene	95-50-1	ug/L	3/3/2010						<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,2-Dichlorobenzene	95-50-1	ug/L	11/1/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,2-Dichlorobenzene	95-50-1	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1.4	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
1,2-Dichlorobenzene	95-50-1	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	0.193J	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/23/2018					<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	4/24/2018				<1			<1		
1,2-Dichlorobenzene	95-50-1	ug/L	4/25/2018			<1					<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/27/2018	<1	<1							
1,2-Dichlorobenzene	95-50-1	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,2-Dichlorobenzene	95-50-1	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/9/2024			<1.00				<1.00	<1.00	
1,2-Dichlorobenzene	95-50-1	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
1,2-Dichlorobenzene	95-50-1	ug/L	10/14/2024	<1.00	<1.00							
1,2-Dichlorobenzene	95-50-1	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
1,2-Dichlorobenzene	95-50-1	ug/L	4/29/2025				<1.00	<1.00	<1.00			

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
1,2-Dichlorobenzene	95-50-1	ug/L	5/8/2025	<1.00	<1.00							
1,2-Dichloroethane	107-06-2	ug/L	2/27/2008	<1	<1	<1	<1	1.51				
1,2-Dichloroethane	107-06-2	ug/L	5/12/2008	<1	<1	<1	<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	7/13/2008	<1	<1	<1	<1	<1				
1,2-Dichloroethane	107-06-2	ug/L	9/14/2008	<1	<1	<1	<1	1.17				
1,2-Dichloroethane	107-06-2	ug/L	11/17/2008	<1	<1	<1	<1	1.35				
1,2-Dichloroethane	107-06-2	ug/L	4/14/2009	<1	<1	<1	<1	1.23				
1,2-Dichloroethane	107-06-2	ug/L	7/7/2009					1.12	<1	<1	<20	<1
1,2-Dichloroethane	107-06-2	ug/L	9/2/2009					1.33	<1	<1	<10	<1
1,2-Dichloroethane	107-06-2	ug/L	10/25/2009	<2	<1	<2	<2	<2	<2	<2	<20	<1
1,2-Dichloroethane	107-06-2	ug/L	1/2/2010					1.37	<1	<1	<10	<1
1,2-Dichloroethane	107-06-2	ug/L	3/3/2010						<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	5/10/2010	<1	<1	<1	<1	1.08	<1	<1	<5	<1
1,2-Dichloroethane	107-06-2	ug/L	11/1/2010	<1	<1	<1	<1	1.34	1.02	<1	<5	<1
1,2-Dichloroethane	107-06-2	ug/L	4/4/2011					1.03				
1,2-Dichloroethane	107-06-2	ug/L	10/13/2011	<1	<1	<1	<1	1.3	<1	<1	<5	<1
1,2-Dichloroethane	107-06-2	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,2-Dichloroethane	107-06-2	ug/L	10/11/2012	<1	<1	<1	<1	1.39	<1	<1	<10	<1
1,2-Dichloroethane	107-06-2	ug/L	3/30/2013	<1	<1	<1	<1	1.25	<1	<1	<1.8	<1
1,2-Dichloroethane	107-06-2	ug/L	10/7/2013		<1	<1	<1	1.21; 1.19	<1	<1		<1
1,2-Dichloroethane	107-06-2	ug/L	6/2/2014	<1	<1	<1	<1	1.37	0.588J	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/15/2014	<1	<1	<1	<1	1.36	<1	<1	<10	<1
1,2-Dichloroethane	107-06-2	ug/L	4/6/2015	<1	<1	<1	<1	1.19	0.538J	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/5/2015	<1	<1	<1	<1	1.4	0.494J	<1	0.29J	<1
1,2-Dichloroethane	107-06-2	ug/L	4/4/2016	<1	<1	<1	<1	0.966J	0.377J	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/17/2016	<1	<1	<1	<1	1.59	0.61J	<1	0.314J	<1
1,2-Dichloroethane	107-06-2	ug/L	4/17/2017	<1	<1	<1	<1	1.06	0.566J	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/11/2017	<1	<1	<1	<1	1.4	0.418J	<1	0.239J	<1
1,2-Dichloroethane	107-06-2	ug/L	4/23/2018					1.23	0.406J			
1,2-Dichloroethane	107-06-2	ug/L	4/24/2018				<1			<1		
1,2-Dichloroethane	107-06-2	ug/L	4/25/2018			<1					0.223J	<1
1,2-Dichloroethane	107-06-2	ug/L	4/27/2018	<1	<1							
1,2-Dichloroethane	107-06-2	ug/L	10/16/2018	<1	<1	<1	<1	1.08	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/16/2019	<1	<1	<1	<1	0.938J	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/1/2019	<1	<1	<1	<1	1.35	0.465J	<1	<10	<1
1,2-Dichloroethane	107-06-2	ug/L	3/30/2020	<1	<1	<1	<1	0.864J	<1	<1	<5	<1
1,2-Dichloroethane	107-06-2	ug/L	10/7/2020	<1	<1	<1	<1	0.957J	<1	0.455J	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/20/2021	<1	<1	<1	<1	0.9J	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/14/2022	<1	<1	<1	<1	0.8J	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	5/1/2023	<1	<1	<1	<1	0.807J	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/16/2023	<1	<1	<1	<1	0.578J	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	4/29/2024	<1	0.888J	<1	<1	0.942J	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/9/2024			<1.00				<1.00	<1.00	
1,2-Dichloroethane	107-06-2	ug/L	10/10/2024				<1.00	0.793J	<1.00			<1.00
1,2-Dichloroethane	107-06-2	ug/L	10/14/2024	<1.00	<1.00							
1,2-Dichloroethane	107-06-2	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
1,2-Dichloroethane	107-06-2	ug/L	4/29/2025				<1.00	<1.00	<1.00			
1,2-Dichloroethane	107-06-2	ug/L	5/8/2025	<1.00	<1.00							
1,2-Dichloropropane	78-87-5	ug/L	2/27/2008	<1	<1	<1	<1	5.01				
1,2-Dichloropropane	78-87-5	ug/L	5/12/2008	<1	<1	<1	<1	1.83				
1,2-Dichloropropane	78-87-5	ug/L	7/13/2008	<1	<1	<1	<1	2.34				
1,2-Dichloropropane	78-87-5	ug/L	9/14/2008	<1	<1	<1	<1	4.84				
1,2-Dichloropropane	78-87-5	ug/L	11/17/2008	<1	<1	<1	<1	4.77				
1,2-Dichloropropane	78-87-5	ug/L	4/14/2009	<1	<1	<1	<1	4.42				
1,2-Dichloropropane	78-87-5	ug/L	7/7/2009					4.63	<1	<1	<20	<1
1,2-Dichloropropane	78-87-5	ug/L	9/2/2009					3.99	<1	<1	<10	<1
1,2-Dichloropropane	78-87-5	ug/L	10/25/2009	<1	<1	<1	<1	4.29	<1	<1	<10	<1
1,2-Dichloropropane	78-87-5	ug/L	1/2/2010					3.2	<1	<1	<10	<1
1,2-Dichloropropane	78-87-5	ug/L	3/3/2010						<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	5/10/2010	<1	<1	<1	<1	3.05	<1	<1	<5	<1
1,2-Dichloropropane	78-87-5	ug/L	11/1/2010	<1	<1	<1	<1	4.69	<1	<1	<5	<1

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
1,2-Dichloropropane	78-87-5	ug/L	4/4/2011					4.89				
1,2-Dichloropropane	78-87-5	ug/L	10/13/2011	<1	<1	<1	<1	4.94	<1	<1	<5	<1
1,2-Dichloropropane	78-87-5	ug/L	4/11/2012	<1	<1	<1	<1	3.34	<1	<1	<10	<1
1,2-Dichloropropane	78-87-5	ug/L	10/11/2012	<1	<1	<1	<1	5.84	<1	<1	<10	<1
1,2-Dichloropropane	78-87-5	ug/L	3/30/2013	<1	<1	<1	<1	5.22	<1	<1	<8.7	<1
1,2-Dichloropropane	78-87-5	ug/L	10/7/2013		<1	<1	<1	4.66; 4.62	<1	<1		<1
1,2-Dichloropropane	78-87-5	ug/L	6/2/2014	<1	<1	<1	<1	4.65	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/15/2014	<1	<1	<1	<1	3.88	<1	<1	<10	<1
1,2-Dichloropropane	78-87-5	ug/L	4/6/2015	<1	<1	<1	<1	4.03	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/5/2015	<1	<1	<1	<1	5.43	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/4/2016	<1	<1	<1	<1	3.47	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/17/2016	<1	<1	<1	<1	5.6	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/17/2017	<1	<1	<1	<1	3.54	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/11/2017	<1	<1	<1	<1	4.74	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/23/2018					4.21	<1			
1,2-Dichloropropane	78-87-5	ug/L	4/24/2018				<1			<1		
1,2-Dichloropropane	78-87-5	ug/L	4/25/2018			<1					<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/27/2018	<1	<1							
1,2-Dichloropropane	78-87-5	ug/L	10/16/2018	<1	<1	<1	<1	4.21	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/16/2019	<1	<1	<1	<1	3.28	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/1/2019	<1	<1	<1	<1	4.06	0.28J	<1	<10	<1
1,2-Dichloropropane	78-87-5	ug/L	3/30/2020	<1	<1	<1	<1	3.13	<1	<1	<5	<1
1,2-Dichloropropane	78-87-5	ug/L	10/7/2020	<1	<1	<1	<1	2.97	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/13/2021	<1	<1	<1	<1	1.8	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/20/2021	<1	<1	<1	<1	3.1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	5/2/2022	<1	<1	<1	<1	2.4	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/14/2022	<1	<1	<1	<1	2.6	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	5/1/2023	<1	<1	<1	<1	1.71	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/16/2023	<1	<1	<1	<1	2.45	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	4/29/2024	<1	<1	<1	<1	2.3	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/9/2024			<1.00				<1.00	<1.00	
1,2-Dichloropropane	78-87-5	ug/L	10/10/2024				<1.00	2.30	<1.00			<1.00
1,2-Dichloropropane	78-87-5	ug/L	10/14/2024	<1.00	<1.00							
1,2-Dichloropropane	78-87-5	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
1,2-Dichloropropane	78-87-5	ug/L	4/29/2025				<1.00	0.765	<1.00			
1,2-Dichloropropane	78-87-5	ug/L	5/8/2025	<1.00	<1.00							
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/14/2009	<10	<10	<10	<50	<10				
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,3,5-Trinitrobenzene	99-35-4	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
1,3,5-Trinitrobenzene	99-35-4	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
1,3,5-Trinitrobenzene	99-35-4	ug/L	4/29/2025				<10.0	<10.0	<10.0			
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/8/2025	<10.0	<10.9							
1,3-Dichlorobenzene	541-73-1	ug/L	4/14/2009	<1	<1	<1	<1	<1				
1,3-Dichlorobenzene	541-73-1	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,3-Dichlorobenzene	541-73-1	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	541-73-1	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,3-Dichlorobenzene	541-73-1	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
1,3-Dichlorobenzene	541-73-1	ug/L	4/29/2025				<1.00	<1.00	<1.00			
1,3-Dichlorobenzene	541-73-1	ug/L	5/8/2025	<1.00	<1.00							
1,3-Dichloropropane	142-28-9	ug/L	4/14/2009	<1	<1	<1	<1	<1				
1,3-Dichloropropane	142-28-9	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,3-Dichloropropane	142-28-9	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	142-28-9	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,3-Dichloropropane	142-28-9	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
1,3-Dichloropropane	142-28-9	ug/L	4/29/2025				<1.00	<1.00	<1.00			
1,3-Dichloropropane	142-28-9	ug/L	5/8/2025	<1.00	<1.00							
1,3-Dinitrobenzene	99-65-0	ug/L	4/14/2009	<10	<10	<10	<50	<10				
1,3-Dinitrobenzene	99-65-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,3-Dinitrobenzene	99-65-0	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
1,3-Dinitrobenzene	99-65-0	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
1,3-Dinitrobenzene	99-65-0	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
1,3-Dinitrobenzene	99-65-0	ug/L	4/29/2025				<10.0	<10.0	<10.0			

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
1,3-Dinitrobenzene	99-65-0	ug/L	5/8/2025	<10.0	<10.9							
1,4-Dichlorobenzene	106-46-7	ug/L	2/27/2008	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	5/12/2008	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	7/13/2008	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	9/14/2008	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	11/17/2008	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	4/14/2009	<1	<1	<1	<1	<1				
1,4-Dichlorobenzene	106-46-7	ug/L	7/7/2009						<1	<1	<20	<1
1,4-Dichlorobenzene	106-46-7	ug/L	9/2/2009						<1	<1	<10	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/25/2009	<2	<1	<2	<2	<2	<2	<2	<20	<1
1,4-Dichlorobenzene	106-46-7	ug/L	1/2/2010						<1	<1	<10	<1
1,4-Dichlorobenzene	106-46-7	ug/L	3/3/2010						<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	5/10/2010	<2	<1	<1	<1	<1	<1	<1	<5	<1
1,4-Dichlorobenzene	106-46-7	ug/L	11/1/2010	<2	<1	<2	<2	<2	<2	<2	<5	<2
1,4-Dichlorobenzene	106-46-7	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,4-Dichlorobenzene	106-46-7	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<2	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
1,4-Dichlorobenzene	106-46-7	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/23/2018					<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	4/24/2018				<1			<1		
1,4-Dichlorobenzene	106-46-7	ug/L	4/25/2018			<1					<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/27/2018	<1	<1							
1,4-Dichlorobenzene	106-46-7	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<10	<1
1,4-Dichlorobenzene	106-46-7	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/9/2024			<1.00				<1.00	<1.00	
1,4-Dichlorobenzene	106-46-7	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
1,4-Dichlorobenzene	106-46-7	ug/L	10/14/2024	<1.00	<1.00							
1,4-Dichlorobenzene	106-46-7	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
1,4-Dichlorobenzene	106-46-7	ug/L	4/29/2025				<1.00	<1.00	<1.00			
1,4-Dichlorobenzene	106-46-7	ug/L	5/8/2025	<1.00	<1.00							
1,4-Naphthoquinone	130-15-4	ug/L	4/14/2009	<10	<10	<10	<50	<10				
1,4-Naphthoquinone	130-15-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,4-Naphthoquinone	130-15-4	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
1,4-Naphthoquinone	130-15-4	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
1,4-Naphthoquinone	130-15-4	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
1,4-Naphthoquinone	130-15-4	ug/L	4/29/2025				<10.0	<10.0	<10.0			
1,4-Naphthoquinone	130-15-4	ug/L	5/8/2025	<10.0	<10.9							
1,4-Phenylenediamine	106-50-3	ug/L	4/14/2009	<10	<10	<10	<50	<10				
1,4-Phenylenediamine	106-50-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,4-Phenylenediamine	106-50-3	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
1,4-Phenylenediamine	106-50-3	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
1,4-phenylenediamine	106-50-3	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
1,4-phenylenediamine	106-50-3	ug/L	4/29/2025				<10.0	<10.0	<10.0			
1,4-phenylenediamine	106-50-3	ug/L	5/8/2025	<10.0	<10.9							

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
1-Naphthylamine	134-32-7	ug/L	4/14/2009	<10	<10	<10	<50	<10				
1-Naphthylamine	134-32-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
1-Naphthylamine	134-32-7	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
1-Naphthylamine	134-32-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
1-Naphthylamine	134-32-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
1-Naphthylamine	134-32-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
1-Naphthylamine	134-32-7	ug/L	5/8/2025	<10.0	<10.9							
2,2-Dichloropropane	594-20-7	ug/L	4/14/2009	<4	<4	<4	<4	<4				
2,2-Dichloropropane	594-20-7	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4	<4	<20	<4
2,2-Dichloropropane	594-20-7	ug/L	10/5/2015	<4	<4	<4	<4	<4	<4	<4	<4	<4
2,2-Dichloropropane	594-20-7	ug/L	3/30/2020	<4	<4	<4	<4	<4	<4	<4	<20	<4
2,2-Dichloropropane	594-20-7	ug/L	4/28/2025			<4.00				<4.00	<4.00	<4.00
2,2-Dichloropropane	594-20-7	ug/L	4/29/2025				<4.00	<4.00	<4.00			
2,2-Dichloropropane	594-20-7	ug/L	5/8/2025	<4.00	<4.00							
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/8/2025	<10.0	<10.9							
2,4,5-T	93-76-5	ug/L	4/28/2025			<0.164				<0.165	<0.174	<0.168
2,4,5-T	93-76-5	ug/L	4/29/2025				<0.156	<0.161	<0.160			
2,4,5-T	93-76-5	ug/L	5/8/2025	<0.158	<0.162							
2,4,5-T [2C]	93-76-5	ug/L	4/14/2009	<0.2	<0.2	<0.2	<0.2	<0.29				
2,4,5-T [2C]	93-76-5	ug/L	5/10/2010	<0.47	<0.5	<0.5	<0.5	<0.5	<0.51	<0.5	<0.51	<0.51
2,4,5-T [2C]	93-76-5	ug/L	10/5/2015	<0.997	<1.01	<1.02	<1.01	<1.02	<1.03	<1.01	<1.02	<1.01
2,4,5-T [2C]	93-76-5	ug/L	11/14/2016								<1.03	
2,4,5-T [2C]	93-76-5	ug/L	3/30/2020	<1.09	<1.13	<1.04	<1.06	<1.04	<1.03	<1.04	<1.06	<1.04
2,4,5-T [2C]	93-76-5	ug/L	10/14/2022								<0.5	
2,4,5-TP [Silvex]	93-72-1	ug/L	4/14/2009	<0.2	0.35; <0.48	<0.2	<0.2	<0.29				
2,4,5-TP [Silvex]	93-72-1	ug/L	7/7/2009		<0.2							
2,4,5-TP [Silvex]	93-72-1	ug/L	9/2/2009		0.36							
2,4,5-TP [Silvex]	93-72-1	ug/L	10/25/2009		0.41							
2,4,5-TP [Silvex]	93-72-1	ug/L	1/2/2010		<0.2							
2,4,5-TP [Silvex]	93-72-1	ug/L	5/10/2010	<0.47	<0.5	<0.5	<0.5	<0.5	<0.51	<0.5	<0.51	<0.51
2,4,5-TP [Silvex]	93-72-1	ug/L	11/1/2010		<0.5							
2,4,5-TP [Silvex]	93-72-1	ug/L	10/13/2011		<1							
2,4,5-TP [Silvex]	93-72-1	ug/L	4/11/2012		<1							
2,4,5-TP [Silvex]	93-72-1	ug/L	10/11/2012		<1							
2,4,5-TP [Silvex]	93-72-1	ug/L	3/30/2013		<1							
2,4,5-TP [Silvex]	93-72-1	ug/L	10/7/2013		<1.03							
2,4,5-TP [Silvex]	93-72-1	ug/L	6/2/2014		<1.03							
2,4,5-TP [Silvex]	93-72-1	ug/L	10/15/2014		<1.02							
2,4,5-TP [Silvex]	93-72-1	ug/L	4/6/2015		<1.01							
2,4,5-TP [Silvex]	93-72-1	ug/L	10/5/2015	<0.997	<1.01	<1.02	<1.01	<1.02	<1.03	<1.01	2.32	<1.01
2,4,5-TP [Silvex]	93-72-1	ug/L	4/4/2016		<1.1						2.32	
2,4,5-TP [Silvex]	93-72-1	ug/L	10/11/2016								2.73	
2,4,5-TP [Silvex]	93-72-1	ug/L	10/17/2016		<1.12						<10.2	
2,4,5-TP [Silvex]	93-72-1	ug/L	11/14/2016								1.51	
2,4,5-TP [Silvex]	93-72-1	ug/L	4/17/2017								0.999J	
2,4,5-TP [Silvex]	93-72-1	ug/L	10/11/2017								1.92	
2,4,5-TP [Silvex]	93-72-1	ug/L	4/25/2018								1.89	
2,4,5-TP [Silvex]	93-72-1	ug/L	10/16/2018								2.76	
2,4,5-TP [Silvex]	93-72-1	ug/L	4/16/2019								1.59	
2,4,5-TP [Silvex]	93-72-1	ug/L	10/1/2019								<10.3	
2,4,5-TP [Silvex]	93-72-1	ug/L	3/30/2020	<1.09	<1.13	<1.04	<1.06	<1.04	<1.03	<1.04	1.16	<1.04
2,4,5-TP [Silvex]	93-72-1	ug/L	10/7/2020								1.07	
2,4,5-TP [Silvex]	93-72-1	ug/L	4/13/2021								1.6	
2,4,5-TP [Silvex]	93-72-1	ug/L	5/2/2022								1.9	
2,4,5-TP [Silvex]	93-72-1	ug/L	10/14/2022								<0.5	
2,4,5-TP [Silvex]	93-72-1	ug/L	5/1/2023								1.33	
2,4,5-TP [Silvex]	93-72-1	ug/L	10/16/2023								1.61	

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
2,4,5-TP [Silvex]	93-72-1	ug/L	4/29/2024								1.43	
2,4,5-Trichlorophenol	95-95-4	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2,4,5-Trichlorophenol	95-95-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,5-Trichlorophenol	95-95-4	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2,4,5-Trichlorophenol	95-95-4	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2,4,5-Trichlorophenol	95-95-4	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2,4,5-Trichlorophenol	95-95-4	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2,4,5-Trichlorophenol	95-95-4	ug/L	5/8/2025	<10.0	<10.9							
2,4,6-Trichlorophenol	88-06-2	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2,4,6-Trichlorophenol	88-06-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-Trichlorophenol	88-06-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2,4,6-Trichlorophenol	88-06-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2,4,6-Trichlorophenol	88-06-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2,4,6-Trichlorophenol	88-06-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2,4,6-Trichlorophenol	88-06-2	ug/L	5/8/2025	<10.0	<10.9							
2,4-D	94-75-7	ug/L	4/28/2025			<0.657				<0.661	<0.696	<0.672
2,4-D	94-75-7	ug/L	4/29/2025				<0.624	<0.646	<0.639			
2,4-D	94-75-7	ug/L	5/8/2025	<0.631	<0.650							
2,4-D [2C]	94-75-7	ug/L	4/14/2009	<1	<1	<1	<1	<1.5				
2,4-D [2C]	94-75-7	ug/L	5/10/2010	<0.93	<1	<1	<1	<1	<1	<1	<1	<1
2,4-D [2C]	94-75-7	ug/L	10/5/2015	<0.997	<1.01	<1.02	<1.01	<1.02	<1.03	<1.01	<1.02	<1.01
2,4-D [2C]	94-75-7	ug/L	11/14/2016								<1.03	
2,4-D [2C]	94-75-7	ug/L	3/30/2020	<1.09	<1.13	<1.04	<1.06	<1.04	<1.03	<1.04	<1.06	<1.04
2,4-D [2C]	94-75-7	ug/L	10/14/2022								<2	
2,4-Dichlorophenol	120-83-2	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2,4-Dichlorophenol	120-83-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dichlorophenol	120-83-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2,4-Dichlorophenol	120-83-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2,4-Dichlorophenol	120-83-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2,4-Dichlorophenol	120-83-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2,4-Dichlorophenol	120-83-2	ug/L	5/8/2025	<10.0	<10.9							
2,4-Dimethylphenol	105-67-9	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2,4-Dimethylphenol	105-67-9	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dimethylphenol	105-67-9	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	0.536J	<10
2,4-Dimethylphenol	105-67-9	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2,4-Dimethylphenol	105-67-9	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2,4-Dimethylphenol	105-67-9	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2,4-Dimethylphenol	105-67-9	ug/L	5/8/2025	<10.0	<10.9							
2,4-Dinitrophenol	51-28-5	ug/L	4/14/2009	<20	<20	<20	<100	<20				
2,4-Dinitrophenol	51-28-5	ug/L	5/10/2010	<20	<20	<20	<20	<20	<20	<20	<20	<20
2,4-Dinitrophenol	51-28-5	ug/L	10/5/2015	<20	<20.8	<20	<20.6	<21.1	<20.4	<20	<20	<20
2,4-Dinitrophenol	51-28-5	ug/L	3/30/2020	<23	<23.5	<20.2	<20.6	<20.8	<20.4	<20.2	<21.3	<20.2
2,4-Dinitrophenol	51-28-5	ug/L	4/28/2025			<20.4				<21.3	<20.8	<21.3
2,4-Dinitrophenol	51-28-5	ug/L	4/29/2025				<20.0	<20.0	<20.0			
2,4-Dinitrophenol	51-28-5	ug/L	5/8/2025	<20.0	<21.7							
2,4-Dinitrotoluene	121-14-2	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2,4-Dinitrotoluene	121-14-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dinitrotoluene	121-14-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2,4-Dinitrotoluene	121-14-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2,4-Dinitrotoluene	121-14-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2,4-Dinitrotoluene	121-14-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2,4-Dinitrotoluene	121-14-2	ug/L	5/8/2025	<10.0	<10.9							
2,6-Dichlorophenol	87-65-0	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2,6-Dichlorophenol	87-65-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,6-Dichlorophenol	87-65-0	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2,6-Dichlorophenol	87-65-0	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2,6-Dichlorophenol	87-65-0	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2,6-Dichlorophenol	87-65-0	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2,6-Dichlorophenol	87-65-0	ug/L	5/8/2025	<10.0	<10.9							
2,6-Dinitrotoluene	606-20-2	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2,6-Dinitrotoluene	606-20-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2,6-Dinitrotoluene	606-20-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2,6-Dinitrotoluene	606-20-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
2,6-Dinitrotoluene	606-20-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2,6-Dinitrotoluene	606-20-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2,6-Dinitrotoluene	606-20-2	ug/L	5/8/2025	<10.0	<10.9							
2-Acetylaminofluorene	53-96-3	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2-Acetylaminofluorene	53-96-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Acetylaminofluorene	53-96-3	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2-Acetylaminofluorene	53-96-3	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2-Acetylaminofluorene	53-96-3	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2-Acetylaminofluorene	53-96-3	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2-Acetylaminofluorene	53-96-3	ug/L	5/8/2025	<10.0	<10.9							
2-Butanone (MEK)	78-93-3	ug/L	2/27/2008	<10	<10	<10	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	5/12/2008	<10	<10	<10	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	7/13/2008	<10	<10	<10	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	9/14/2008	<10	<10	<10	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	11/17/2008	<10	<10	<10	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	4/14/2009	<10	<10	<10	<10	<10				
2-Butanone (MEK)	78-93-3	ug/L	7/7/2009						<10	<10	889	<10
2-Butanone (MEK)	78-93-3	ug/L	9/2/2009						<10	<10	2240	<10
2-Butanone (MEK)	78-93-3	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10	<10	1590	<10
2-Butanone (MEK)	78-93-3	ug/L	1/2/2010						<10	<10	<100	<10
2-Butanone (MEK)	78-93-3	ug/L	3/3/2010						<10	<10	106	<10
2-Butanone (MEK)	78-93-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	156	<10
2-Butanone (MEK)	78-93-3	ug/L	7/8/2010								97.5	
2-Butanone (MEK)	78-93-3	ug/L	9/13/2010								44.2	
2-Butanone (MEK)	78-93-3	ug/L	11/1/2010	<10	10	<10	<10	<10	<10	<10	<50	<10
2-Butanone (MEK)	78-93-3	ug/L	1/10/2011								<50	
2-Butanone (MEK)	78-93-3	ug/L	4/4/2011								<50	
2-Butanone (MEK)	78-93-3	ug/L	10/13/2011	<10	<10	<10	<10	<10	<10	<10	<50	<10
2-Butanone (MEK)	78-93-3	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
2-Butanone (MEK)	78-93-3	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
2-Butanone (MEK)	78-93-3	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/7/2013		<10	<10	<10	<10	<10	<10		<10
2-Butanone (MEK)	78-93-3	ug/L	6/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<100	<10
2-Butanone (MEK)	78-93-3	ug/L	4/6/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/5/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/4/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/17/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/17/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/11/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/23/2018					1.61J	<10			
2-Butanone (MEK)	78-93-3	ug/L	4/24/2018				<10			<10		
2-Butanone (MEK)	78-93-3	ug/L	4/25/2018			<10					1.2J	<10
2-Butanone (MEK)	78-93-3	ug/L	4/27/2018	<10	<10							
2-Butanone (MEK)	78-93-3	ug/L	10/16/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/16/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<100	<10
2-Butanone (MEK)	78-93-3	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<50	<10
2-Butanone (MEK)	78-93-3	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone (MEK)	78-93-3	ug/L	10/20/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone (MEK)	78-93-3	ug/L	5/2/2022	<10	<10	<10	<10	<10	<10	<10	1.4J	<10
2-Butanone (MEK)	78-93-3	ug/L	10/14/2022	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Butanone (MEK)	78-93-3	ug/L	10/16/2023	<10	<10	<10	<10	<10	<10	<10	<10	148
2-Butanone (MEK)	78-93-3	ug/L	4/29/2024	<10	<10	<10	<10	<10	<10	<10	<10	13.4
2-Butanone (MEK)	78-93-3	ug/L	10/9/2024			<10.0				<10.0	<10.0	
2-Butanone (MEK)	78-93-3	ug/L	10/10/2024				<10.0	<10.0	<10.0			<10.0
2-Butanone (MEK)	78-93-3	ug/L	10/14/2024	<10.0	<10.0							
2-Butanone (MEK)	78-93-3	ug/L	4/28/2025			<10.0				<10.0	<10.0	<10.0
2-Butanone (MEK)	78-93-3	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2-Butanone (MEK)	78-93-3	ug/L	5/8/2025	<10.0	<10.0							
2-Chloronaphthalene	91-58-7	ug/L	4/14/2009	<10	<10	<10	<50	<10				

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
2-Chloronaphthalene	91-58-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloronaphthalene	91-58-7	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2-Chloronaphthalene	91-58-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2-Chloronaphthalene	91-58-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2-Chloronaphthalene	91-58-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2-Chloronaphthalene	91-58-7	ug/L	5/8/2025	<10.0	<10.9							
2-Chlorophenol	95-57-8	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2-Chlorophenol	95-57-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chlorophenol	95-57-8	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2-Chlorophenol	95-57-8	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2-Chlorophenol	95-57-8	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2-Chlorophenol	95-57-8	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2-Chlorophenol	95-57-8	ug/L	5/8/2025	<10.0	<10.9							
2-Hexanone	591-78-6	ug/L	2/27/2008	<10	<10	<10	<10	<10				
2-Hexanone	591-78-6	ug/L	5/12/2008	<10	<10	<10	<10	<10				
2-Hexanone	591-78-6	ug/L	7/13/2008	<10	<10	<10	<10	<10				
2-Hexanone	591-78-6	ug/L	9/14/2008	<10	<10	<10	<10	<10				
2-Hexanone	591-78-6	ug/L	11/17/2008	<10	<10	<10	<10	<10				
2-Hexanone	591-78-6	ug/L	4/14/2009	<10	<10	<10	<10	<10				
2-Hexanone	591-78-6	ug/L	7/7/2009						<10	<10	<200	<10
2-Hexanone	591-78-6	ug/L	9/2/2009						<10	<10	<100	<10
2-Hexanone	591-78-6	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10	<10	<100	<10
2-Hexanone	591-78-6	ug/L	1/2/2010						<10	<10	<100	<10
2-Hexanone	591-78-6	ug/L	3/3/2010						<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	5/10/2010	<10	<20	<20	<20	<20	<20	<20	<100	<20
2-Hexanone	591-78-6	ug/L	11/1/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
2-Hexanone	591-78-6	ug/L	10/13/2011	<10	<10	<10	<10	<10	<10	<10	<50	<10
2-Hexanone	591-78-6	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
2-Hexanone	591-78-6	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
2-Hexanone	591-78-6	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/7/2013		<10	<10	<10	<10	<10	<10		<10
2-Hexanone	591-78-6	ug/L	6/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<100	<10
2-Hexanone	591-78-6	ug/L	4/6/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/5/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/4/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/17/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/17/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/11/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/23/2018					<10	<10			
2-Hexanone	591-78-6	ug/L	4/24/2018				<10			<10		
2-Hexanone	591-78-6	ug/L	4/25/2018			<10					<10	<10
2-Hexanone	591-78-6	ug/L	4/27/2018	<10	<10							
2-Hexanone	591-78-6	ug/L	10/16/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/16/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<100	<10
2-Hexanone	591-78-6	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<50	<10
2-Hexanone	591-78-6	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	591-78-6	ug/L	10/20/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	591-78-6	ug/L	5/2/2022	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	591-78-6	ug/L	10/14/2022	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	591-78-6	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/16/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	4/29/2024	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/9/2024			<10.0				<10.0	<10.0	
2-Hexanone	591-78-6	ug/L	10/10/2024				<10.0	<10.0	<10.0			<10.0
2-Hexanone	591-78-6	ug/L	10/14/2024	<10.0	<10.0							
2-Hexanone	591-78-6	ug/L	4/28/2025			<10.0				<10.0	<10.0	<10.0
2-Hexanone	591-78-6	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2-Hexanone	591-78-6	ug/L	5/8/2025	<10.0	<10.0							
2-Methylnaphthalene	91-57-6	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2-Methylnaphthalene	91-57-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
2-Methylnaphthalene	91-57-6	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2-Methylnaphthalene	91-57-6	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2-Methylnaphthalene	91-57-6	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2-Methylnaphthalene	91-57-6	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2-Methylnaphthalene	91-57-6	ug/L	5/8/2025	<10.0	<10.9							
2-Methylphenol	95-48-7	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2-Methylphenol	95-48-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Methylphenol	95-48-7	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2-Methylphenol	95-48-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2-Methylphenol	95-48-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2-Methylphenol	95-48-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2-Methylphenol	95-48-7	ug/L	5/8/2025	<10.0	<10.9							
2-Naphthylamine	91-59-8	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2-Naphthylamine	91-59-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Naphthylamine	91-59-8	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2-Naphthylamine	91-59-8	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2-Naphthylamine	91-59-8	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2-Naphthylamine	91-59-8	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2-Naphthylamine	91-59-8	ug/L	5/8/2025	<10.0	<10.9							
2-Nitroaniline	88-74-4	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2-Nitroaniline	88-74-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Nitroaniline	88-74-4	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2-Nitroaniline	88-74-4	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2-Nitroaniline	88-74-4	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2-Nitroaniline	88-74-4	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2-Nitroaniline	88-74-4	ug/L	5/8/2025	<10.0	<10.9							
2-Nitrophenol	88-75-5	ug/L	4/14/2009	<10	<10	<10	<50	<10				
2-Nitrophenol	88-75-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Nitrophenol	88-75-5	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
2-Nitrophenol	88-75-5	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
2-Nitrophenol	88-75-5	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
2-Nitrophenol	88-75-5	ug/L	4/29/2025				<10.0	<10.0	<10.0			
2-Nitrophenol	88-75-5	ug/L	5/8/2025	<10.0	<10.9							
3,3'-Dichlorobenzidine	91-94-1	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
3,3'-Dichlorobenzidine	91-94-1	ug/L	4/29/2025				<10.0	<10.0	<10.0			
3,3'-Dichlorobenzidine	91-94-1	ug/L	5/8/2025	<10.0	<10.9							
3,3'-Dimethylbenzidine	119-93-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
3,3'-Dimethylbenzidine	119-93-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
3,3'-Dimethylbenzidine	119-93-7	ug/L	5/8/2025	<10.0	<10.9							
3,3-Dichlorobenzidine	91-94-1	ug/L	4/14/2009	<85	<85	<85	<425	<85				
3,3-Dichlorobenzidine	91-94-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
3,3-Dichlorobenzidine	91-94-1	ug/L	10/5/2015	<50	<52.1	<50	<51.5	<52.6	<51	<50	<50	<50
3,3-Dichlorobenzidine	91-94-1	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
3,3-Dimethylbenzidine	119-93-7	ug/L	4/14/2009	<20	<20	<20	<100	<20				
3,3-Dimethylbenzidine	119-93-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
3,3-Dimethylbenzidine	119-93-7	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
3,3-Dimethylbenzidine	119-93-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
3-Methylcholanthrene	56-49-5	ug/L	4/14/2009	<10	<10	<10	<50	<10				
3-Methylcholanthrene	56-49-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
3-Methylcholanthrene	56-49-5	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
3-Methylcholanthrene	56-49-5	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
3-Methylcholanthrene	56-49-5	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
3-Methylcholanthrene	56-49-5	ug/L	4/29/2025				<10.0	<10.0	<10.0			
3-Methylcholanthrene	56-49-5	ug/L	5/8/2025	<10.0	<10.9							
3-Nitroaniline	99-09-2	ug/L	4/14/2009	<10	<10	<10	<50	<10				
3-Nitroaniline	99-09-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
3-Nitroaniline	99-09-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
3-Nitroaniline	99-09-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
3-Nitroaniline	99-09-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
3-Nitroaniline	99-09-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
3-Nitroaniline	99-09-2	ug/L	5/8/2025	<10.0	<10.9							
4,4'-DDD	72-54-8	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
4,4'-DDD	72-54-8	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
4,4'-DDD	72-54-8	ug/L	5/8/2025	<0.0911	<0.0902							
4,4'-DDE	72-55-9	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
4,4'-DDE	72-55-9	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
4,4'-DDE	72-55-9	ug/L	5/8/2025	<0.0911	<0.0902							
4,4'-DDT	50-29-3	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
4,4'-DDT	50-29-3	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
4,4'-DDT	50-29-3	ug/L	5/8/2025	<0.0911	<0.0902							
4,4`-DDD	72-54-8	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
4,4`-DDD	72-54-8	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
4,4`-DDD	72-54-8	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	<0.0323	0.00428J	<0.0323	<0.032	0.00245J	0.00427J
4,4`-DDD	72-54-8	ug/L	3/30/2020	<0.0356	<0.034	<0.0333	<0.0333	0.00346J	<0.0333	<0.033	<0.0333	<0.0333
4,4`-DDE	72-55-9	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
4,4`-DDE	72-55-9	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
4,4`-DDE	72-55-9	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	<0.0323	<0.0333	<0.0323	<0.032	<0.032	<0.032
4,4`-DDE	72-55-9	ug/L	3/30/2020	<0.0356	<0.034	<0.0333	<0.0333	<0.0333	<0.0333	<0.033	0.0052J	<0.0333
4,4`-DDT	50-29-3	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
4,4`-DDT	50-29-3	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
4,4`-DDT	50-29-3	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	<0.0323	0.0129J	0.0057J	<0.032	<0.032	<0.032
4,4`-DDT	50-29-3	ug/L	3/30/2020	<0.0356	<0.034	<0.0333	<0.0333	0.0122J	<0.0333	<0.033	<0.0333	<0.0333
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/14/2009	<10	<10	<10	<50	<10				
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	4/29/2025				<10.0	<10.0	<10.0			
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/8/2025	<10.0	<10.9							
4-Aminobiphenyl	92-67-1	ug/L	4/14/2009	<20	<20	<20	<100	<20				
4-Aminobiphenyl	92-67-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Aminobiphenyl	92-67-1	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
4-Aminobiphenyl	92-67-1	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
4-Aminobiphenyl	92-67-1	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
4-Aminobiphenyl	92-67-1	ug/L	4/29/2025				<10.0	<10.0	<10.0			
4-Aminobiphenyl	92-67-1	ug/L	5/8/2025	<10.0	<10.9							
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/14/2009	<10	<10	<10	<50	<10				
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Bromophenyl phenyl ether	101-55-3	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
4-Bromophenyl phenyl ether	101-55-3	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
4-Bromophenyl phenyl ether	101-55-3	ug/L	4/29/2025				<10.0	<10.0	<10.0			
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/8/2025	<10.0	<10.9							
4-Chloro-3-methylphenol	59-50-7	ug/L	4/14/2009	<10	<10	<10	<50	<10				
4-Chloro-3-methylphenol	59-50-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Chloro-3-methylphenol	59-50-7	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
4-Chloro-3-methylphenol	59-50-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
4-Chloro-3-methylphenol	59-50-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
4-Chloro-3-methylphenol	59-50-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
4-Chloro-3-methylphenol	59-50-7	ug/L	5/8/2025	<10.0	<10.9							
4-Chloroaniline	106-47-8	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
4-Chloroaniline	106-47-8	ug/L	4/29/2025				<10.0	<10.0	<10.0			
4-Chloroaniline	106-47-8	ug/L	5/8/2025	<10.0	<10.9							
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/14/2009	<10	<10	<10	<50	<10				
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	4/29/2025				<10.0	<10.0	<10.0			
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/8/2025	<10.0	<10.9							
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	2/27/2008	<10	<10	<10	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/12/2008	<10	<10	<10	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	7/13/2008	<10	<10	<10	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	9/14/2008	<10	<10	<10	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	11/17/2008	<10	<10	<10	<10	<10				
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/14/2009	<10	<10	<10	<10	<10				

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	7/7/2009						<10	<10	<200	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	9/2/2009						<10	<10	<100	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10	<10	120	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	1/2/2010						<10	<10	<100	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	3/3/2010						<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	11/1/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/13/2011	<10	<10	<10	<10	<10	<10	<10	<50	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/7/2013		<10	<10	<10	<10	<10	<10		<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	6/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<100	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/6/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/5/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/4/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/17/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/17/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/11/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/23/2018					<10	<10			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/24/2018				<10			<10		
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/25/2018			<10					<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/27/2018	<10	<10							
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/16/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/16/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<100	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<50	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/20/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/2/2022	1.5J	<5	<5	<5	<5	1.5J	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/14/2022	<5	1.4J	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/16/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/29/2024	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/9/2024			<10.0				<10.0	<10.0	
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/10/2024				<10.0	<10.0	<10.0			<10.0
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/14/2024	<10.0	<10.0							
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/28/2025			<10.0				<10.0	<10.0	<10.0
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/29/2025				<10.0	<10.0	<10.0			
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	5/8/2025	<10.0	<10.0							
4-Nitroaniline	100-01-6	ug/L	4/14/2009	<10	<10	<10	<50	<10				
4-Nitroaniline	100-01-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Nitroaniline	100-01-6	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
4-Nitroaniline	100-01-6	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
4-Nitroaniline	100-01-6	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
4-Nitroaniline	100-01-6	ug/L	4/29/2025				<10.0	<10.0	<10.0			
4-Nitroaniline	100-01-6	ug/L	5/8/2025	<10.0	<10.9							
4-Nitrophenol	100-02-7	ug/L	4/14/2009	<10	<10	<10	<50	<10				
4-Nitrophenol	100-02-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Nitrophenol	100-02-7	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
4-Nitrophenol	100-02-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
4-Nitrophenol	100-02-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
4-Nitrophenol	100-02-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
4-Nitrophenol	100-02-7	ug/L	5/8/2025	<10.0	<10.9							
5-Nitro-o-toluidine	99-55-8	ug/L	4/14/2009	<10	<10	<10	<50	<10				
5-Nitro-o-toluidine	99-55-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
5-Nitro-o-toluidine	99-55-8	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
5-Nitro-o-toluidine	99-55-8	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
5-Nitro-o-toluidine	99-55-8	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
5-Nitro-o-toluidine	99-55-8	ug/L	4/29/2025				<10.0	<10.0	<10.0			
5-Nitro-o-toluidine	99-55-8	ug/L	5/8/2025	<10.0	<10.9							

Table 9A
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2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	4/29/2025				<10.0	<10.0	<10.0			
7,12-Dimethylbenz(a)anthracene	57-97-6	ug/L	5/8/2025	<10.0	<10.9							
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	4/14/2009	<10	<10	<10	<50	<10				
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Acenaphthene	83-32-9	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Acenaphthene	83-32-9	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acenaphthene	83-32-9	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Acenaphthene	83-32-9	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Acenaphthene	83-32-9	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Acenaphthene	83-32-9	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Acenaphthene	83-32-9	ug/L	5/8/2025	<10.0	<10.9							
Acenaphthylene	208-96-8	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Acenaphthylene	208-96-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acenaphthylene	208-96-8	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Acenaphthylene	208-96-8	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Acenaphthylene	208-96-8	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Acenaphthylene	208-96-8	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Acenaphthylene	208-96-8	ug/L	5/8/2025	<10.0	<10.9							
Acetone	67-64-1	ug/L	2/27/2008	<10	<10	<10	<10	<10				
Acetone	67-64-1	ug/L	5/12/2008	<10	<10	<10	<10	<10				
Acetone	67-64-1	ug/L	7/13/2008	<10	<10	<10	<10	<10				
Acetone	67-64-1	ug/L	9/14/2008	<10	<10	<10	<10	<10				
Acetone	67-64-1	ug/L	11/17/2008	<10	<10	<10	<10	<10				
Acetone	67-64-1	ug/L	4/14/2009	<10	<10	<10	<10	<10				
Acetone	67-64-1	ug/L	7/7/2009						<10	<10	858	<10
Acetone	67-64-1	ug/L	9/2/2009						<10	<10	2370	<10
Acetone	67-64-1	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10	<10	1570	<10
Acetone	67-64-1	ug/L	1/2/2010						<10	<10	<100	<10
Acetone	67-64-1	ug/L	3/3/2010						<10	<10	96.2	<10
Acetone	67-64-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	196	<10
Acetone	67-64-1	ug/L	7/8/2010								108	
Acetone	67-64-1	ug/L	9/13/2010								54.6	
Acetone	67-64-1	ug/L	11/1/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
Acetone	67-64-1	ug/L	1/10/2011								<50	
Acetone	67-64-1	ug/L	4/4/2011								<50	
Acetone	67-64-1	ug/L	10/13/2011	<10	<10	<10	<10	<10	<10	<10	<50	<10
Acetone	67-64-1	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
Acetone	67-64-1	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
Acetone	67-64-1	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<17.9	<10
Acetone	67-64-1	ug/L	10/7/2013		<10	<10	<10	<10	<10	<10		<10
Acetone	67-64-1	ug/L	6/2/2014	<10	<10	<10	<10	<10	<10	<10	3.53J	<10
Acetone	67-64-1	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<100	<10
Acetone	67-64-1	ug/L	4/6/2015	<10	<10	2.29J; <10	<10	<10	<10	<10	4.67J	<10
Acetone	67-64-1	ug/L	10/5/2015	<10	<10	<10	<10	<10	<10	<10	7.23J	2.81J
Acetone	67-64-1	ug/L	4/4/2016	<10	<10	1.97J	<10	<10	<10	3.32J	5.15J	<10
Acetone	67-64-1	ug/L	10/17/2016	<10	<10	2.9J	2.13J	<10	<10	<10	9.7J	<10
Acetone	67-64-1	ug/L	4/17/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/11/2017	2.79J	3.99J	7.73J	3.64J	3.05J	4.4J	5.34J	4.99J	5.95J; 2.75J
Acetone	67-64-1	ug/L	4/23/2018					<10	<10			
Acetone	67-64-1	ug/L	4/24/2018				2.08J			<10		
Acetone	67-64-1	ug/L	4/25/2018			2.97J					10.5	2.96J
Acetone	67-64-1	ug/L	4/27/2018	2.24J	2.06J							
Acetone	67-64-1	ug/L	10/16/2018	3.69J	4.44J	3.34J	<10	<10	<10	<10	7.03J	<10
Acetone	67-64-1	ug/L	4/16/2019	<10	3.62J	<10	<10	<10	<10	<10	4.03J	<10
Acetone	67-64-1	ug/L	10/1/2019	<10	3.94J	9.18J	<10	4.62J	<10	<10	38.9J	<10
Acetone	67-64-1	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<50	<10
Acetone	67-64-1	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	4/13/2021	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	10/20/2021	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	5/2/2022	<10	<10	<10	<10	<10	<10	<10	<10	<10

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Acetone	67-64-1	ug/L	10/14/2022	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	5/1/2023	<10	<10	9.12J	<10	<10	<10	<10	5.74J	8.8J
Acetone	67-64-1	ug/L	10/16/2023	<10	<10	<10	<10	<10	<10	<10	3.54J	79.3
Acetone	67-64-1	ug/L	4/29/2024	<10	<10	3.61J	<10	<10	<10	<10	<10	8.39J
Acetone	67-64-1	ug/L	10/9/2024			<10.0				<10.0	3.55J	
Acetone	67-64-1	ug/L	10/10/2024				<10.0	<10.0	<10.0			10.9
Acetone	67-64-1	ug/L	10/14/2024	<10.0	<10.0							
Acetone	67-64-1	ug/L	4/28/2025			<10.0				<10.0	6.54	<10.0
Acetone	67-64-1	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Acetone	67-64-1	ug/L	5/8/2025	<10.0	<10.0							
Acetonitrile	75-05-8	mg/L	4/14/2009	<10	<10	<10	<10	<10				
Acetonitrile	75-05-8	mg/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	75-05-8	mg/L	10/5/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetonitrile	75-05-8	mg/L	3/30/2020	<10	<10	<10	<10	<10	<10	0.48J	<10	<10
Acetonitrile	75-05-8	mg/L	4/28/2025			<10.0				<10.0	<10.0	<10.0
Acetonitrile	75-05-8	mg/L	4/29/2025				<10.0	<10.0	<10.0			
Acetonitrile	75-05-8	mg/L	5/8/2025	<10.0	<10.0							
Acetophenone	98-86-2	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Acetophenone	98-86-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetophenone	98-86-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Acetophenone	98-86-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Acetophenone	98-86-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Acetophenone	98-86-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Acetophenone	98-86-2	ug/L	5/8/2025	<10.0	<10.9							
Acrolein	107-02-8	ug/L	4/14/2009	<10	<10	<10	<10	<10				
Acrolein	107-02-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
Acrolein	107-02-8	ug/L	10/5/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrolein	107-02-8	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<50	<10
Acrolein	107-02-8	ug/L	4/28/2025			<10.0				<10.0	<10.0	<10.0
Acrolein	107-02-8	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Acrolein	107-02-8	ug/L	5/8/2025	<10.0	<10.0							
Acrylonitrile	107-13-1	ug/L	2/27/2008	<10	<10	<10	<10	<10				
Acrylonitrile	107-13-1	ug/L	5/12/2008	<10	<10	<10	<10	<10				
Acrylonitrile	107-13-1	ug/L	7/13/2008	<10	<10	<10	<10	<10				
Acrylonitrile	107-13-1	ug/L	9/14/2008	<10	<10	<10	<10	<10				
Acrylonitrile	107-13-1	ug/L	11/17/2008	<10	<10	<10	<10	<10				
Acrylonitrile	107-13-1	ug/L	4/14/2009	<10	<10	<10	<10	<10				
Acrylonitrile	107-13-1	ug/L	7/7/2009						<10	<10	<200	<10
Acrylonitrile	107-13-1	ug/L	9/2/2009						<10	<10	<100	<10
Acrylonitrile	107-13-1	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10	<10	<100	<10
Acrylonitrile	107-13-1	ug/L	1/2/2010						<10	<10	<100	<10
Acrylonitrile	107-13-1	ug/L	3/3/2010						<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
Acrylonitrile	107-13-1	ug/L	11/1/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
Acrylonitrile	107-13-1	ug/L	10/13/2011	<10	<10	<10	<10	<10	<10	<10	<50	<10
Acrylonitrile	107-13-1	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
Acrylonitrile	107-13-1	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
Acrylonitrile	107-13-1	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	10/7/2013		<10	<10	<10	<10	<10	<10		<10
Acrylonitrile	107-13-1	ug/L	6/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<100	<10
Acrylonitrile	107-13-1	ug/L	4/6/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	10/5/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	4/4/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	10/17/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	107-13-1	ug/L	4/17/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/11/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	4/23/2018					<5	<5			
Acrylonitrile	107-13-1	ug/L	4/24/2018				<5			<5		
Acrylonitrile	107-13-1	ug/L	4/25/2018			<5					<5	<5
Acrylonitrile	107-13-1	ug/L	4/27/2018	<5	<5							
Acrylonitrile	107-13-1	ug/L	10/16/2018	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	4/16/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5

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Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Acrylonitrile	107-13-1	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<50	<5
Acrylonitrile	107-13-1	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<25	<5
Acrylonitrile	107-13-1	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/20/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	5/2/2022	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/14/2022	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/16/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	4/29/2024	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/9/2024			<5.00				<5.00	<5.00	
Acrylonitrile	107-13-1	ug/L	10/10/2024				<5.00	<5.00	<5.00			<5.00
Acrylonitrile	107-13-1	ug/L	10/14/2024	<5.00	<5.00							
Acrylonitrile	107-13-1	ug/L	4/28/2025			<5.00				<5.00	<5.00	<5.00
Acrylonitrile	107-13-1	ug/L	4/29/2025				<5.00	<5.00	<5.00			
Acrylonitrile	107-13-1	ug/L	5/8/2025	<5.00	<5.00							
Aldrin	309-00-2	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
Aldrin	309-00-2	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
Aldrin	309-00-2	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	<0.0323	<0.0333	<0.0323	<0.032	0.00649J	<0.032
Aldrin	309-00-2	ug/L	3/30/2020	<0.0356	<0.034	<0.0333	<0.0333	<0.0333	<0.0333	<0.00464	0.00499J	<0.0333
Aldrin	309-00-2	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
Aldrin	309-00-2	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
Aldrin	309-00-2	ug/L	5/8/2025	<0.0911	<0.0902							
Alkalinity, Phenol [CaCO3]	PALK	mg/L	6/2/2014	<5	<5	<5	<5		<5	<5	<5	<5
Alkalinity, Phenol [CaCO3]	PALK	mg/L	10/15/2014			<5	<5	<5	<5	<5	<5	<5
Alkalinity, Phenol [CaCO3]	PALK	mg/L	3/30/2020				<10					
Alkalinity, Total [CaCO3]	TALK	mg/L	6/2/2014	712	697	1200	759		599	624	1820	619
Alkalinity, Total [CaCO3]	TALK	mg/L	10/15/2014	717	692	1210	764	444	597	592	1800	642
Alkalinity, Total [CaCO3]	TALK	mg/L	3/30/2020				601					
Allyl Chloride	107-05-1	ug/L	4/14/2009	<2	<2	<2	<2	<2				
Allyl Chloride	107-05-1	ug/L	5/10/2010	<2	<2	<2	<2	<2	<2	<2	<10	<2
Allyl Chloride	107-05-1	ug/L	10/5/2015	<2	<2	<2	<2	<2	<2	<2	<2	<2
Allyl Chloride	107-05-1	ug/L	3/30/2020	<2	<2	<2	<2	<2	<2	<2	<10	<2
Allyl chloride	107-05-1	ug/L	4/28/2025			<2.00				<2.00	<2.00	<2.00
Allyl chloride	107-05-1	ug/L	4/29/2025				<2.00	<2.00	<2.00			
Allyl chloride	107-05-1	ug/L	5/8/2025	<2.00	<2.00							
Alpha-BHC	319-84-6	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
Alpha-BHC	319-84-6	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
Alpha-BHC	319-84-6	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	0.00173J	0.00652J	0.00382J	<0.032	0.00365J	0.0025J
Alpha-BHC	319-84-6	ug/L	3/30/2020	<0.0356	<0.034	0.00297J	0.00432J	0.00569J	0.00283J	<0.033	<0.0333	<0.0333
Alpha-Chlordane	5103-71-9	ug/L	5/10/2010				<0.032		<0.032			
Ammonia as N	7664-41-7	mg/L	4/6/2015	0.539	0.635	0.386	0.154J	<0.2	<0.2	0.243	120	5.63
Ammonia as N	7664-41-7	mg/L	10/5/2015	0.464	0.481	0.617	0.17J	<0.2	<0.2	0.297	134	5.22
Ammonia as N	7664-41-7	mg/L	4/4/2016	0.689	1.29	0.397	0.109J	<0.2	<0.2	0.249	135	6.57
Ammonia as N	7664-41-7	mg/L	10/17/2016	0.69	1.21	0.727	0.164J	<0.2	<0.2	0.357	150	5.22
Anthracene	120-12-7	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Anthracene	120-12-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Anthracene	120-12-7	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Anthracene	120-12-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Anthracene	120-12-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Anthracene	120-12-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Anthracene	120-12-7	ug/L	5/8/2025	<10.0	<10.9							
Antimony	7440-36-0	mg/L	2/27/2008	<0.006	<0.006	<0.006	<0.006	<0.006				
Antimony	7440-36-0	mg/L	5/12/2008	<0.006	<0.006	<0.006	<0.006	<0.006				
Antimony	7440-36-0	mg/L	7/13/2008	<0.006	<0.006	<0.006	<0.006	<0.006				
Antimony	7440-36-0	mg/L	9/14/2008	<0.006	<0.006	<0.006	<0.006	<0.006				
Antimony	7440-36-0	mg/L	11/17/2008	<0.006	<0.006	<0.006	<0.006	<0.006				
Antimony	7440-36-0	mg/L	4/14/2009	<0.006	<0.006	<0.006	<0.006	<0.006				
Antimony	7440-36-0	mg/L	7/7/2009						<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	9/2/2009						<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	10/25/2009	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	1/2/2010						<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	3/3/2010						<0.006	<0.006	<0.006	<0.006

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Antimony	7440-36-0	mg/L	5/10/2010	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002
Antimony	7440-36-0	mg/L	11/1/2010	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.012	<0.006
Antimony	7440-36-0	mg/L	4/4/2011	<0.006	<0.006	<0.006	<0.006					
Antimony	7440-36-0	mg/L	10/13/2011	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	4/11/2012	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	10/11/2012	<0.006	<0.006	<0.012	<0.006	<0.018	<0.012	<0.012	<0.012	<0.006
Antimony	7440-36-0	mg/L	3/30/2013	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	10/7/2013	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	6/2/2014	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	10/15/2014	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Antimony	7440-36-0	mg/L	4/6/2015	<0.001	<0.001	<0.001	<0.001	0.000182J	<0.001	<0.001	0.000578J	<0.001
Antimony	7440-36-0	mg/L	10/5/2015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000573J	<0.001
Antimony	7440-36-0	mg/L	4/4/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000578J	<0.001
Antimony	7440-36-0	mg/L	10/17/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000549J	<0.001
Antimony	7440-36-0	mg/L	4/17/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000517J	<0.001
Antimony	7440-36-0	mg/L	10/11/2017	<0.001	<0.001	0.000425J	0.000227J	<0.001	0.000227J	0.000217J	0.000992J	<0.001
Antimony	7440-36-0	mg/L	4/23/2018					<0.001	<0.001			
Antimony	7440-36-0	mg/L	4/24/2018				<0.001			<0.001		
Antimony	7440-36-0	mg/L	4/25/2018			<0.001					0.000563J	<0.001
Antimony	7440-36-0	mg/L	4/27/2018	<0.001	<0.001							
Antimony	7440-36-0	mg/L	10/16/2018	<0.001	<0.001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Antimony	7440-36-0	mg/L	4/16/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000578J	<0.001
Antimony	7440-36-0	mg/L	10/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00061J	<0.001
Antimony	7440-36-0	mg/L	3/30/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000596J	<0.001
Antimony	7440-36-0	mg/L	10/7/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000678J	<0.001
Antimony	7440-36-0	mg/L	4/13/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0005J	<0.002
Antimony	7440-36-0	mg/L	10/20/2021	<0.002	<0.002	<0.002	<0.002	<0.002	0.0006J	<0.002	0.0006J	<0.002
Antimony	7440-36-0	mg/L	5/2/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0005J	<0.002
Antimony	7440-36-0	mg/L	10/14/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	5/1/2023	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	10/16/2023	0.00115J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	4/29/2024	<0.002	<0.002	<0.008	<0.002	<0.002	<0.002	<0.002	<0.002	<0.008
Antimony	7440-36-0	mg/L	10/9/2024			<0.00200				<0.00200	<0.00200	
Antimony	7440-36-0	mg/L	10/10/2024				<0.00200	<0.00200	<0.00200			<0.00200
Antimony	7440-36-0	mg/L	10/14/2024	<0.00200	<0.00200							
Antimony	7440-36-0	mg/L	4/28/2025			<0.00200				<0.0100	<0.00200	<0.00200
Antimony	7440-36-0	mg/L	4/29/2025				<0.00200	<0.00200	<0.00200			
Antimony	7440-36-0	mg/L	5/8/2025	<0.00200	<0.00200							
Arsenic	7440-38-2	mg/L	2/27/2008	0.164	0.001	0.032	0.177	<0.001				
Arsenic	7440-38-2	mg/L	5/12/2008	0.056	0.021	0.031	0.117	<0.001				
Arsenic	7440-38-2	mg/L	7/13/2008	0.048	0.012	0.03	0.141	<0.001				
Arsenic	7440-38-2	mg/L	9/14/2008	0.049	0.002	0.037	0.192	<0.001				
Arsenic	7440-38-2	mg/L	11/17/2008	0.0402	0.00126	0.042	0.172	<0.001				
Arsenic	7440-38-2	mg/L	4/14/2009	0.033	0.0028	0.037	0.14	<0.001				
Arsenic	7440-38-2	mg/L	7/7/2009	0.03	0.0041	0.032	0.122		0.002; <0.001	0.053; 0.054	0.043	0.0065
Arsenic	7440-38-2	mg/L	9/2/2009	0.04	0.0045	0.043	0.13		<0.001	0.058	0.092; 0.096	0.012
Arsenic	7440-38-2	mg/L	10/25/2009	0.032	0.005; 0.0052	0.039	0.13	<0.001	<0.001	0.073	0.09	0.0068
Arsenic	7440-38-2	mg/L	1/2/2010	0.039	0.015	0.042	0.12		0.0056	0.076	0.12	0.0073
Arsenic	7440-38-2	mg/L	3/3/2010						0.003	0.086	0.079; 0.081	0.007
Arsenic	7440-38-2	mg/L	5/10/2010	0.038	0.0092	0.034	0.092	<0.001	0.0061	0.057	0.071	0.0098
Arsenic	7440-38-2	mg/L	7/8/2010						0.0022	0.06	0.064	0.0096
Arsenic	7440-38-2	mg/L	9/13/2010						0.0061	0.073	0.094	0.0067
Arsenic	7440-38-2	mg/L	11/1/2010						<0.001	0.064	0.081	0.0037
Arsenic	7440-38-2	mg/L	1/10/2011						<0.001	0.0576	0.0684	
Arsenic	7440-38-2	mg/L	4/4/2011						0.0036	0.071	0.077	0.0025
Arsenic	7440-38-2	mg/L	10/13/2011	0.0414	0.0181	0.0594	0.115	<0.001	0.00187	0.0737	0.079	0.00834
Arsenic	7440-38-2	mg/L	4/11/2012	0.0204	0.011	0.0073	0.0843	<0.001	<0.001	0.0644	0.0705	0.00562
Arsenic	7440-38-2	mg/L	10/11/2012	0.0111	0.00689	0.0485	0.0969	<0.001	<0.001	0.0787	0.0958	0.011
Arsenic	7440-38-2	mg/L	3/30/2013	0.00962	0.00344	0.0359	0.0696	<0.001	<0.001	0.0677	0.0608	0.0075
Arsenic	7440-38-2	mg/L	10/7/2013	0.0102	0.00497	0.0472; 0.0456	0.0879	<0.001	<0.001	0.0739	0.0806	0.00937
Arsenic	7440-38-2	mg/L	6/2/2014	0.0337; 0.0531	0.0147	0.0426	0.072	0.000377J	0.000267J	0.0619	0.191	0.0094
Arsenic	7440-38-2	mg/L	10/15/2014	0.0291	0.00479	0.0551	0.1	<0.001	<0.001	0.0757	<0.005	0.0156
Arsenic	7440-38-2	mg/L	4/6/2015	0.0249	0.00553	0.0458; 0.0488	0.0649	<0.002	<0.002	0.0632	0.0586	0.0326

Table 9A
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Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Arsenic	7440-38-2	mg/L	10/5/2015	0.0273	0.0129	0.0621	0.0773	<0.002	<0.002	0.0589	0.0724	0.0389
Arsenic	7440-38-2	mg/L	4/4/2016	0.0424	0.0113	0.0516	0.0739	<0.002	<0.002	0.0756	0.0662	0.0522
Arsenic	7440-38-2	mg/L	10/17/2016	0.0375	0.014	0.0604	0.0807	<0.002	<0.002	0.0622; 0.0653	0.0517	0.047
Arsenic	7440-38-2	mg/L	4/17/2017	0.0592	0.0165	0.0483	0.0613	<0.002	<0.002	0.055	0.0468	0.0201
Arsenic	7440-38-2	mg/L	10/11/2017	0.0497	0.00794	0.0589	0.116	<0.002	0.000935J	0.0643	0.0684	0.0585; 0.0565
Arsenic	7440-38-2	mg/L	4/23/2018					<0.002	<0.002			
Arsenic	7440-38-2	mg/L	4/24/2018				0.0386			0.0671		
Arsenic	7440-38-2	mg/L	4/25/2018			0.0654					0.0668	0.0369
Arsenic	7440-38-2	mg/L	4/27/2018	0.0817	0.00613							
Arsenic	7440-38-2	mg/L	10/16/2018	0.0915	0.0103	0.0565	0.0639	0.000579J	0.00155	0.0625	0.0457	0.0131
Arsenic	7440-38-2	mg/L	4/16/2019	0.0812	0.0421	0.0521	0.0325	<0.002	<0.002	0.0612	0.0368	0.00546
Arsenic	7440-38-2	mg/L	10/1/2019	0.0494; 0.0558	0.0166	0.0641	0.0792	<0.002	<0.002	0.0649	0.0573	0.0106
Arsenic	7440-38-2	mg/L	3/30/2020	0.0435	0.0129	0.0455	0.0412	<0.002	<0.002	0.0632	0.0345	0.0018J
Arsenic	7440-38-2	mg/L	10/7/2020	0.0418	0.0196	0.0569	0.0983	<0.002	<0.002	0.0619	0.0467	0.074
Arsenic	7440-38-2	mg/L	4/13/2021	0.0695	0.0209	0.0424	0.0362; 0.0349	<0.004	<0.004	0.0561	0.0283	0.0027J
Arsenic	7440-38-2	mg/L	10/20/2021	0.0937	0.0124	0.0555	0.085	<0.004	0.0024J	0.0624	0.0452	0.0259
Arsenic	7440-38-2	mg/L	5/2/2022	0.0577	0.023	0.0435	0.0379	0.0013J	0.001J	0.0515	0.0285	0.0015J
Arsenic	7440-38-2	mg/L	10/14/2022	0.019	0.0229	0.0598	0.0742	0.0011J	0.0012J	0.0535	0.0385	0.0173
Arsenic	7440-38-2	mg/L	5/1/2023	0.0961	0.0226	0.0417	0.0379	<0.002	<0.002	0.0514	0.0316	0.00188J
Arsenic	7440-38-2	mg/L	10/16/2023	0.0185	0.0148	0.0496	0.0882	<0.002	<0.002	0.0581	0.0417	0.0038
Arsenic	7440-38-2	mg/L	4/29/2024	0.0349	0.00299	0.0236	0.0464	<0.002	<0.002	0.0579	0.036	0.00409J
Arsenic	7440-38-2	mg/L	10/9/2024			0.0338				0.0617	0.0297	
Arsenic	7440-38-2	mg/L	10/10/2024				0.0896	<0.00200	<0.00200			0.00233
Arsenic	7440-38-2	mg/L	10/14/2024	0.0115	0.00444							
Arsenic	7440-38-2	mg/L	4/28/2025			0.0279				0.259	0.0295	0.00186
Arsenic	7440-38-2	mg/L	4/29/2025				0.0433	<0.00200	<0.00200			
Arsenic	7440-38-2	mg/L	5/8/2025	0.0146	0.00232							
Barium	7440-39-3	mg/L	2/27/2008	1.05	0.316	0.956	0.666	0.456				
Barium	7440-39-3	mg/L	5/12/2008	0.573	0.368	0.696	0.552	0.405				
Barium	7440-39-3	mg/L	7/13/2008	0.642	0.361	0.722	0.561	0.411				
Barium	7440-39-3	mg/L	9/14/2008	0.407	0.288	0.698	0.676	0.467				
Barium	7440-39-3	mg/L	11/17/2008	0.464	0.289	0.758	0.741	0.469				
Barium	7440-39-3	mg/L	4/14/2009	0.451	0.305	0.685	0.594	0.438				
Barium	7440-39-3	mg/L	7/7/2009	0.445	0.334	0.701	0.535	0.413	0.305; 0.319	0.46; 0.526	1.06	0.328
Barium	7440-39-3	mg/L	9/2/2009	0.469	0.318	0.662	0.56	0.44	0.258	0.489	1.74	0.702
Barium	7440-39-3	mg/L	10/25/2009	0.464	0.332	0.707	0.552	0.43	0.283	0.501	2.18	0.659
Barium	7440-39-3	mg/L	1/2/2010	0.554	0.483	0.725	0.569	0.516	0.381	0.497	1.79	0.6
Barium	7440-39-3	mg/L	3/3/2010						0.38	0.645	1.47	0.541
Barium	7440-39-3	mg/L	5/10/2010	0.565	0.38	0.666	0.506	0.418	0.411	0.461	1.22	0.535
Barium	7440-39-3	mg/L	7/8/2010						0.369	0.458	0.988	0.591
Barium	7440-39-3	mg/L	9/13/2010						0.386	0.459	1	0.649
Barium	7440-39-3	mg/L	11/1/2010	0.559	0.36	0.736	0.538	0.474	0.416	0.447	0.868	0.581
Barium	7440-39-3	mg/L	1/10/2011						0.358	0.452	1.01	
Barium	7440-39-3	mg/L	4/4/2011						0.401	0.427	0.87	0.371
Barium	7440-39-3	mg/L	10/13/2011	0.431	0.365	0.766	0.573	0.531	0.423	0.499	0.839	2.33
Barium	7440-39-3	mg/L	4/11/2012	0.4	0.345	0.722	0.459	0.428	0.322	0.421	0.838	0.707
Barium	7440-39-3	mg/L	10/11/2012	0.413	0.269	0.765	0.536	0.574	0.36	0.462	0.723	0.99
Barium	7440-39-3	mg/L	3/30/2013	0.382	0.316	0.678	0.507	0.543	0.311	0.477	1.03	0.687
Barium	7440-39-3	mg/L	10/7/2013	0.411	0.324	0.835; 0.878	0.527	0.554; 0.552	0.383	0.408	2.4	0.798
Barium	7440-39-3	mg/L	6/2/2014	0.443; 0.402	0.309	0.769	0.478	0.429	0.361	0.322	1.11	0.793
Barium	7440-39-3	mg/L	10/15/2014	0.407	0.343	0.829	0.517	0.484	0.397	0.409	0.961	1
Barium	7440-39-3	mg/L	4/6/2015	0.401	0.367	0.818; 0.876	0.48	0.449	0.319	0.396	0.984	1.05
Barium	7440-39-3	mg/L	10/5/2015	0.467	0.428	0.946	0.547	0.658	0.367	0.404	0.89	1.16
Barium	7440-39-3	mg/L	4/4/2016	0.488	0.378	0.914	0.531	0.484	0.284	0.514	0.824	0.779
Barium	7440-39-3	mg/L	10/17/2016	0.382	0.341	0.933	0.456	0.556	0.325	0.392; 0.406	0.628	0.875
Barium	7440-39-3	mg/L	4/17/2017	0.463	0.45	0.974	0.459	0.551	0.278	0.471	0.622	0.29
Barium	7440-39-3	mg/L	10/11/2017	0.41	0.366	0.697	0.621	0.6	0.219	0.415	0.585	0.772; 0.812
Barium	7440-39-3	mg/L	4/23/2018					0.507	0.247			
Barium	7440-39-3	mg/L	4/24/2018				0.353			0.481		
Barium	7440-39-3	mg/L	4/25/2018			0.857					0.84	0.335
Barium	7440-39-3	mg/L	4/27/2018	0.604	0.283							
Barium	7440-39-3	mg/L	10/16/2018	0.531	0.28	0.827	0.525	0.569	0.326	0.435	0.574	0.281
Barium	7440-39-3	mg/L	4/16/2019	0.796	0.687	0.78	0.412	0.625	0.21	0.594	0.665	0.219

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Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Barium	7440-39-3	mg/L	10/1/2019	0.353; 0.412	0.329	0.902	0.533	0.473	0.31	0.463	0.87	0.379
Barium	7440-39-3	mg/L	3/30/2020	0.433	0.279	0.806	0.396	0.457	0.192	0.56	0.713	0.102
Barium	7440-39-3	mg/L	10/7/2020	0.424	0.329	0.695	0.502	0.594	0.237	0.472	0.718	1.18
Barium	7440-39-3	mg/L	4/13/2021	0.445	0.32	0.652	0.399; 0.387	0.423	0.184	0.453	0.59	0.0641
Barium	7440-39-3	mg/L	10/20/2021	0.456	0.456	0.61	0.453	0.554	0.509	0.439	0.633	0.768
Barium	7440-39-3	mg/L	5/2/2022	0.488	0.347	0.653	0.339	0.465	0.179	0.43	0.603	0.118
Barium	7440-39-3	mg/L	10/14/2022	0.251	0.374	0.668	0.508	0.564	0.183	0.415	0.696	0.401
Barium	7440-39-3	mg/L	5/1/2023	0.705	0.391	0.862	0.346	0.487	0.15	0.413	0.551	0.061
Barium	7440-39-3	mg/L	10/16/2023	0.37	0.306	0.593	0.471	0.563	0.182	0.379	0.647	0.155
Barium	7440-39-3	mg/L	4/29/2024	0.126	0.228	0.472	0.314	0.376	0.144	0.383	0.803	0.0855
Barium	7440-39-3	mg/L	10/9/2024			0.595				0.423	0.659	
Barium	7440-39-3	mg/L	10/10/2024				0.461	0.556	0.122			0.668
Barium	7440-39-3	mg/L	10/14/2024	0.274	0.323							
Barium	7440-39-3	mg/L	4/28/2025			0.467				1.96	0.686	0.358
Barium	7440-39-3	mg/L	4/29/2025				0.322	0.431	0.0774			
Barium	7440-39-3	mg/L	5/8/2025	0.0909	0.197							
Benzene	71-43-2	ug/L	2/27/2008	<0.5	<0.5	0.59	1.42	0.64				
Benzene	71-43-2	ug/L	5/12/2008	<0.5	<0.5	<0.5	1.11	<0.5				
Benzene	71-43-2	ug/L	7/13/2008	<0.5	<0.5	<0.5	1.59	<0.5				
Benzene	71-43-2	ug/L	9/14/2008	<0.5	<0.5	0.6	1.46	0.66				
Benzene	71-43-2	ug/L	11/17/2008	<0.5	<0.5	0.72	1.48	0.65				
Benzene	71-43-2	ug/L	4/14/2009	<0.5	<0.5	<0.5	1.11	0.54				
Benzene	71-43-2	ug/L	7/7/2009				1.08	0.56	<0.5; 0.53	3.48; 3.54	<10	<0.5
Benzene	71-43-2	ug/L	9/2/2009				0.97	0.53	<0.5	2.67	9.2	<0.5
Benzene	71-43-2	ug/L	10/25/2009	<0.5	<0.5	0.67	1.14	0.5	<0.5	3.12	8.4	<0.5
Benzene	71-43-2	ug/L	1/2/2010				1.14	0.56	<0.5	3.4	7.7	<0.5
Benzene	71-43-2	ug/L	3/3/2010						<0.5	4.65	8.49	<0.5
Benzene	71-43-2	ug/L	5/10/2010	<0.5	<0.5	0.56	0.8	<0.5	<0.5	3.08	8.05	<0.5
Benzene	71-43-2	ug/L	7/8/2010							2.96	11.1	
Benzene	71-43-2	ug/L	9/13/2010							2.85	9.08	
Benzene	71-43-2	ug/L	11/1/2010	<0.5	<0.5	<0.5	0.73	0.61	<0.5	3.1	11.4	<0.5
Benzene	71-43-2	ug/L	1/10/2011							2.99	7.6	
Benzene	71-43-2	ug/L	4/4/2011				0.67	0.61		4.15	9.85	
Benzene	71-43-2	ug/L	10/13/2011	<0.5	<0.5	0.72	0.68	0.7	<0.5	3.26	9.75	<0.5
Benzene	71-43-2	ug/L	4/11/2012	<0.5	<0.5	0.55	0.67	<0.5	<0.5	1.96	10.9	<0.5
Benzene	71-43-2	ug/L	10/11/2012	<0.5	<0.5	<0.5	0.71	0.8	<0.5	2.4	12.6	<0.5
Benzene	71-43-2	ug/L	3/30/2013	<0.5	<0.5	<0.5	0.54	0.504	<0.5	1.4	7.84	<0.5
Benzene	71-43-2	ug/L	10/7/2013		<0.5	<0.5	<0.5	0.748; 0.665	<0.5	0.782		<0.5
Benzene	71-43-2	ug/L	6/2/2014	<0.5	<0.5	0.508	0.354J	0.598	<0.5	0.631	7.16	<0.5
Benzene	71-43-2	ug/L	10/15/2014	<0.5	<0.5	0.529	0.464J	0.505	<0.5	<0.5	9.3	<0.5
Benzene	71-43-2	ug/L	4/6/2015	<0.5	<0.5	0.576; 0.442J	0.226J	0.463J	<0.5	0.428J	8.6	<0.5
Benzene	71-43-2	ug/L	10/5/2015	<0.5	<0.5	0.675	0.198J	0.745	<0.5	<0.5	10.6	<0.5
Benzene	71-43-2	ug/L	4/4/2016	<0.5	<0.5	0.526	0.226J	0.38J	<0.5	0.11J	10.2	0.141J
Benzene	71-43-2	ug/L	10/17/2016	<0.5	<0.5	0.659	<0.5	0.747	0.138J	<0.5	11.8	<0.5
Benzene	71-43-2	ug/L	4/17/2017	<0.5	<0.5	0.505	<0.5	0.475J	<0.5	<0.5	9.59	<0.5
Benzene	71-43-2	ug/L	10/11/2017	<0.5	<0.5	0.344J	<0.5	0.63	<0.5	<0.5	13.2	0.121J; <0.5
Benzene	71-43-2	ug/L	4/23/2018					0.525	<0.5			
Benzene	71-43-2	ug/L	4/24/2018				<0.5			0.157J		
Benzene	71-43-2	ug/L	4/25/2018			0.174J					9.89	<0.5
Benzene	71-43-2	ug/L	4/27/2018	<0.5	<0.5							
Benzene	71-43-2	ug/L	10/16/2018	<0.5	<0.5	<0.5	<0.5	0.553	<0.5	<0.5	10.1	<0.5
Benzene	71-43-2	ug/L	4/16/2019	<0.5	<0.5	<0.5	<0.5	0.446J	<0.5	0.22J	8.97	<0.5
Benzene	71-43-2	ug/L	10/1/2019	<0.5	<0.5	<0.5	<0.5	0.462J	<0.5	<0.5	8.93	<0.5
Benzene	71-43-2	ug/L	3/30/2020	<0.5	<0.5	<0.5	<0.5	0.349J	<0.5	<0.5	9.17	<0.5
Benzene	71-43-2	ug/L	10/7/2020	<0.5	<0.5	<0.5	<0.5	0.348J	<0.5	<0.5	8.88	<0.5
Benzene	71-43-2	ug/L	4/13/2021	<1	<1	<1	<1	0.3J	<1	<1	11.4	<1
Benzene	71-43-2	ug/L	10/20/2021	<1	<1	<1	<1	0.3J	<1	<1	10.7	<1
Benzene	71-43-2	ug/L	5/2/2022	<1	<1	<1	<1	0.3J	<1	<1	11.2	<1
Benzene	71-43-2	ug/L	10/14/2022	<1	<1	<1	<1	0.4J	<1	<1	9.7	<1
Benzene	71-43-2	ug/L	5/1/2023	<0.5	<0.5	<0.5	<0.5	0.349J	<0.5	<0.5	8.47	<0.5
Benzene	71-43-2	ug/L	10/16/2023	<0.5	<0.5	<0.5	<0.5	0.359J	<0.5	<0.5	9.31	<0.5
Benzene	71-43-2	ug/L	4/29/2024	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	8.43	<0.5
Benzene	71-43-2	ug/L	10/9/2024			<0.500				<0.500	9.27	

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Benzene	71-43-2	ug/L	10/10/2024				<0.500	0.437J	<0.500			<0.500
Benzene	71-43-2	ug/L	10/14/2024	<0.500	<0.500							
Benzene	71-43-2	ug/L	4/28/2025			<0.500				<0.500	9.20	<0.500
Benzene	71-43-2	ug/L	4/29/2025				<0.500	<0.500	<0.500			
Benzene	71-43-2	ug/L	5/8/2025	<0.500	<0.500							
Benzo [k] fluoranthene	207-08-9	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Benzo [k] fluoranthene	207-08-9	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo [k] fluoranthene	207-08-9	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Benzo [k] fluoranthene	207-08-9	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Benzo[a]anthracene	56-55-3	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Benzo[a]anthracene	56-55-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo[a]anthracene	56-55-3	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Benzo[a]anthracene	56-55-3	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Benzo[a]anthracene	56-55-3	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Benzo[a]anthracene	56-55-3	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Benzo[a]anthracene	56-55-3	ug/L	5/8/2025	<10.0	<10.9							
Benzo[a]pyrene	50-32-8	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Benzo[a]pyrene	50-32-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo[a]pyrene	50-32-8	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Benzo[a]pyrene	50-32-8	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Benzo[a]pyrene	50-32-8	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Benzo[a]pyrene	50-32-8	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Benzo[a]pyrene	50-32-8	ug/L	5/8/2025	<10.0	<10.9							
Benzo[b]fluoranthene	205-99-2	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Benzo[b]fluoranthene	205-99-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo[b]fluoranthene	205-99-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Benzo[b]fluoranthene	205-99-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Benzo[b]fluoranthene	205-99-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Benzo[b]fluoranthene	205-99-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Benzo[b]fluoranthene	205-99-2	ug/L	5/8/2025	<10.0	<10.9							
Benzo[g,h,i]perylene	191-24-2	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Benzo[g,h,i]perylene	191-24-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo[g,h,i]perylene	191-24-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Benzo[g,h,i]perylene	191-24-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Benzo[g,h,i]perylene	191-24-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Benzo[g,h,i]perylene	191-24-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Benzo[g,h,i]perylene	191-24-2	ug/L	5/8/2025	<10.0	<10.9							
Benzo[k]fluoranthene	207-08-9	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Benzo[k]fluoranthene	207-08-9	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Benzo[k]fluoranthene	207-08-9	ug/L	5/8/2025	<10.0	<10.9							
Benzyl alcohol	100-51-6	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Benzyl alcohol	100-51-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzyl alcohol	100-51-6	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Benzyl alcohol	100-51-6	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Benzyl alcohol	100-51-6	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Benzyl alcohol	100-51-6	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Benzyl alcohol	100-51-6	ug/L	5/8/2025	<10.0	<10.9							
Beryllium	7440-41-7	mg/L	2/27/2008	0.0028	<0.001	<0.001	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	5/12/2008	0.00104	<0.001	<0.001	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	7/13/2008	0.00111	<0.001	<0.001	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	9/14/2008	<0.001	<0.001	<0.001	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	11/17/2008	<0.001	<0.001	<0.001	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	4/14/2009	<0.001	<0.001	<0.001	<0.001	<0.001				
Beryllium	7440-41-7	mg/L	7/7/2009						<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	9/2/2009						<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/25/2009	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	1/2/2010						<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	3/3/2010						<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	5/10/2010	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0008	<0.0004
Beryllium	7440-41-7	mg/L	11/1/2010	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/13/2011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/11/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/11/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Beryllium	7440-41-7	mg/L	3/30/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/7/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00106	<0.001
Beryllium	7440-41-7	mg/L	6/2/2014	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/15/2014	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/6/2015	<0.001	0.000044J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/5/2015	<0.001	<0.001	<0.001	0.000048J	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/4/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/17/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/17/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/11/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/23/2018					<0.001	<0.001			
Beryllium	7440-41-7	mg/L	4/24/2018				<0.001			<0.001		
Beryllium	7440-41-7	mg/L	4/25/2018			<0.001					<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/27/2018	<0.001	<0.001							
Beryllium	7440-41-7	mg/L	10/16/2018	<0.001	<0.001	<0.001	0.000573J	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/16/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	3/30/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/7/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/13/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Beryllium	7440-41-7	mg/L	10/20/2021	<0.004	<0.004	<0.004	<0.004	<0.004	0.0001J	<0.004	<0.004	0.0002J
Beryllium	7440-41-7	mg/L	5/2/2022	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Beryllium	7440-41-7	mg/L	10/14/2022	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Beryllium	7440-41-7	mg/L	5/1/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/16/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	4/29/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/9/2024			<0.00100				<0.00100	<0.00100	
Beryllium	7440-41-7	mg/L	10/10/2024				<0.00100	<0.00100	<0.00100			<0.00100
Beryllium	7440-41-7	mg/L	10/14/2024	<0.00100	<0.00100							
Beryllium	7440-41-7	mg/L	4/28/2025			<0.00100				<0.00500	<0.00100	<0.00100
Beryllium	7440-41-7	mg/L	4/29/2025				<0.00100	<0.00100	<0.00100			
Beryllium	7440-41-7	mg/L	5/8/2025	<0.00100	<0.00100							
Beta-BHC	319-85-7	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
Beta-BHC	319-85-7	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	0.143	<0.032
Beta-BHC	319-85-7	ug/L	7/8/2010								<0.032	
Beta-BHC	319-85-7	ug/L	9/13/2010								<0.032	
Beta-BHC	319-85-7	ug/L	11/1/2010								<0.032	
Beta-BHC	319-85-7	ug/L	1/10/2011								<0.032	
Beta-BHC	319-85-7	ug/L	4/4/2011								<0.032	
Beta-BHC	319-85-7	ug/L	4/11/2012								<0.032	
Beta-BHC	319-85-7	ug/L	10/11/2012								<0.032	
Beta-BHC	319-85-7	ug/L	12/13/2012								<0.0077	
Beta-BHC	319-85-7	ug/L	3/30/2013								<0.032	
Beta-BHC	319-85-7	ug/L	6/2/2014								0.0734	
Beta-BHC	319-85-7	ug/L	10/15/2014								0.0703	
Beta-BHC	319-85-7	ug/L	4/6/2015								<0.16	
Beta-BHC	319-85-7	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	<0.0323	0.00974J	0.00601J	<0.032	0.0191J	<0.032
Beta-BHC	319-85-7	ug/L	4/4/2016								<0.032	
Beta-BHC	319-85-7	ug/L	10/17/2016								0.00992J	
Beta-BHC	319-85-7	ug/L	4/17/2017								<0.033	
Beta-BHC	319-85-7	ug/L	10/11/2017								<0.0337	
Beta-BHC	319-85-7	ug/L	4/25/2018								<0.0337	
Beta-BHC	319-85-7	ug/L	10/16/2018								0.0223J	
Beta-BHC	319-85-7	ug/L	4/16/2019								0.0722	
Beta-BHC	319-85-7	ug/L	3/30/2020	<0.0356	<0.034	<0.0333	<0.0333	0.0171J	<0.0333	<0.033	0.0195J	<0.0333
Beta-BHC	319-85-7	ug/L	5/2/2022								<0.05	
Beta-BHC	319-85-7	ug/L	10/14/2022								<0.05	
Beta-BHC	319-85-7	ug/L	5/1/2023								<0.0696	
Beta-BHC	319-85-7	ug/L	10/16/2023								<0.0604	
Beta-BHC	319-85-7	ug/L	4/29/2024								<0.08	
Bicarbonate	BICARB	mg/L	6/2/2014	712	697	1200	759		599	624	1820	619
Bicarbonate	BICARB	mg/L	10/15/2014	717	692	1210	764	444	597	592	1800	642
Bicarbonate	BICARB	mg/L	3/30/2020				601					

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Bis(2-chloroethoxy)methane	111-91-1	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Bis(2-chloroethoxy)methane	111-91-1	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Bis(2-chloroethoxy)methane	111-91-1	ug/L	5/8/2025	<10.0	<10.9							
Bis(2-chloroethyl)ether	111-44-4	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Bis(2-chloroethyl)ether	111-44-4	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Bis(2-chloroethyl)ether	111-44-4	ug/L	5/8/2025	<10.0	<10.9							
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5/8/2025	<10.0	<10.9							
Bis[2-chloroethoxy]methane	111-91-1	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Bis[2-chloroethoxy]methane	111-91-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Bis[2-chloroethoxy]methane	111-91-1	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Bis[2-chloroethoxy]methane	111-91-1	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Bis[2-chloroethyl]ether	111-44-4	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Bis[2-chloroethyl]ether	111-44-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Bis[2-chloroethyl]ether	111-44-4	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Bis[2-chloroethyl]ether	111-44-4	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	10/5/2015	5.05J	9.77J	0.697J	2.6J	1.99J	0.75J	3.61J	8.16J	9.33J
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Bromochloromethane	74-97-5	ug/L	2/27/2008	<5	<5	<5	<5	<5				
Bromochloromethane	74-97-5	ug/L	5/12/2008	<5	<5	<5	<5	<5				
Bromochloromethane	74-97-5	ug/L	7/13/2008	<5	<5	<5	<5	<5				
Bromochloromethane	74-97-5	ug/L	9/14/2008	<5	<5	<5	<5	<5				
Bromochloromethane	74-97-5	ug/L	11/17/2008	<5	<5	<5	<5	<5				
Bromochloromethane	74-97-5	ug/L	4/14/2009	<5	<5	<5	<5	<5				
Bromochloromethane	74-97-5	ug/L	7/7/2009						<5	<5	<100	<5
Bromochloromethane	74-97-5	ug/L	9/2/2009						<5	<5	<50	<5
Bromochloromethane	74-97-5	ug/L	10/25/2009	<5	<5	<5	<5	<5	<5	<5	<50	<5
Bromochloromethane	74-97-5	ug/L	1/2/2010						<5	<5	<50	<5
Bromochloromethane	74-97-5	ug/L	3/3/2010						<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	5/10/2010	<5	<5	<5	<5	<5	<5	<5	<25	<5
Bromochloromethane	74-97-5	ug/L	11/1/2010	<5	<5	<5	<5	<5	<5	<5	<25	<5
Bromochloromethane	74-97-5	ug/L	10/13/2011	<5	<5	<5	<5	<5	<5	<5	<25	<5
Bromochloromethane	74-97-5	ug/L	4/11/2012	<5	<5	<5	<5	<5	<5	<5	<50	<5
Bromochloromethane	74-97-5	ug/L	10/11/2012	<5	<5	<5	<5	<5	<5	<5	<50	<5
Bromochloromethane	74-97-5	ug/L	3/30/2013	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/7/2013		<5	<5	<5	<5	<5	<5		<5
Bromochloromethane	74-97-5	ug/L	6/2/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<50	<5
Bromochloromethane	74-97-5	ug/L	4/6/2015	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/5/2015	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/4/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/17/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/17/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/11/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/23/2018					<5	<5			
Bromochloromethane	74-97-5	ug/L	4/24/2018				<5			<5		
Bromochloromethane	74-97-5	ug/L	4/25/2018			<5					<5	<5
Bromochloromethane	74-97-5	ug/L	4/27/2018	<5	<5							
Bromochloromethane	74-97-5	ug/L	10/16/2018	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/16/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<50	<5
Bromochloromethane	74-97-5	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<25	<5
Bromochloromethane	74-97-5	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	74-97-5	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	74-97-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Bromochloromethane	74-97-5	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	74-97-5	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/16/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	4/29/2024	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/9/2024			<5.00				<5.00	<5.00	
Bromochloromethane	74-97-5	ug/L	10/10/2024				<5.00	<5.00	<5.00			<5.00
Bromochloromethane	74-97-5	ug/L	10/14/2024	<5.00	<5.00							
Bromochloromethane	74-97-5	ug/L	4/28/2025			<5.00				<5.00	<5.00	<5.00
Bromochloromethane	74-97-5	ug/L	4/29/2025				<5.00	<5.00	<5.00			
Bromochloromethane	74-97-5	ug/L	5/8/2025	<5.00	<5.00							
Bromodichloromethane	75-27-4	ug/L	2/27/2008	<1	<1	<1	<1	<1				
Bromodichloromethane	75-27-4	ug/L	5/12/2008	<1	<1	<1	<1	<1				
Bromodichloromethane	75-27-4	ug/L	7/13/2008	<1	<1	<1	<1	<1				
Bromodichloromethane	75-27-4	ug/L	9/14/2008	<1	<1	<1	<1	<1				
Bromodichloromethane	75-27-4	ug/L	11/17/2008	<1	<1	<1	<1	<1				
Bromodichloromethane	75-27-4	ug/L	4/14/2009	<1	<1	<1	<1	<1				
Bromodichloromethane	75-27-4	ug/L	7/7/2009						<1	<1	<20	<1
Bromodichloromethane	75-27-4	ug/L	9/2/2009						<1	<1	<10	<1
Bromodichloromethane	75-27-4	ug/L	10/25/2009	<2	<1	<2	<2	<2	<2	<2	<20	<1
Bromodichloromethane	75-27-4	ug/L	1/2/2010						<10	<10	<100	<5
Bromodichloromethane	75-27-4	ug/L	3/3/2010						<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	5/10/2010	<1	<4	<4	<4	<4	<4	<4	<20	<4
Bromodichloromethane	75-27-4	ug/L	11/1/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
Bromodichloromethane	75-27-4	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	<5	<1
Bromodichloromethane	75-27-4	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Bromodichloromethane	75-27-4	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Bromodichloromethane	75-27-4	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1.2	<1
Bromodichloromethane	75-27-4	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
Bromodichloromethane	75-27-4	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<10	<1
Bromodichloromethane	75-27-4	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/23/2018					<1	<1			
Bromodichloromethane	75-27-4	ug/L	4/24/2018				<1			<1		
Bromodichloromethane	75-27-4	ug/L	4/25/2018			<1					<1	<1
Bromodichloromethane	75-27-4	ug/L	4/27/2018	<1	<1							
Bromodichloromethane	75-27-4	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<10	<1
Bromodichloromethane	75-27-4	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
Bromodichloromethane	75-27-4	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/9/2024			<1.00				<1.00	<1.00	
Bromodichloromethane	75-27-4	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
Bromodichloromethane	75-27-4	ug/L	10/14/2024	<1.00	<1.00							
Bromodichloromethane	75-27-4	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
Bromodichloromethane	75-27-4	ug/L	4/29/2025				<1.00	<1.00	<1.00			
Bromodichloromethane	75-27-4	ug/L	5/8/2025	<1.00	<1.00							
Bromoform	75-25-2	ug/L	2/27/2008	<5	<5	<5	<5	<5				
Bromoform	75-25-2	ug/L	5/12/2008	<5	<5	<5	<5	<5				
Bromoform	75-25-2	ug/L	7/13/2008	<5	<5	<5	<5	<5				
Bromoform	75-25-2	ug/L	9/14/2008	<5	<5	<5	<5	<5				
Bromoform	75-25-2	ug/L	11/17/2008	<5	<5	<5	<5	<5				

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Bromoform	75-25-2	ug/L	4/14/2009	<5	<5	<5	<5	<5				
Bromoform	75-25-2	ug/L	7/7/2009						<5	<5	<100	<5
Bromoform	75-25-2	ug/L	9/2/2009						<5	<5	<50	<5
Bromoform	75-25-2	ug/L	10/25/2009	<10	<20	<10	<10	<10	<10	<10	<100	<20
Bromoform	75-25-2	ug/L	1/2/2010						<50	<50	<500	<10
Bromoform	75-25-2	ug/L	3/3/2010						<5	<5	<5	<5
Bromoform	75-25-2	ug/L	5/10/2010	<20	<20	<20	<20	<20	<20	<20	<100	<20
Bromoform	75-25-2	ug/L	11/1/2010	<10	<5	<10	<10	<10	<10	<10	<25	<10
Bromoform	75-25-2	ug/L	10/13/2011	<5	<5	<5	<5	<5	<5	<5	<25	<5
Bromoform	75-25-2	ug/L	4/11/2012	<5	<5	<5	<5	<5	<5	<5	<50	<5
Bromoform	75-25-2	ug/L	10/11/2012	<5	<5	<5	<5	<5	<5	<5	<50	<5
Bromoform	75-25-2	ug/L	3/30/2013	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/7/2013		<5	<5	<5	<5	<5	<5		<5
Bromoform	75-25-2	ug/L	6/2/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<50	<5
Bromoform	75-25-2	ug/L	4/6/2015	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/5/2015	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/4/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/17/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/17/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/11/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/23/2018					<5	<5			
Bromoform	75-25-2	ug/L	4/24/2018				<5			<5		
Bromoform	75-25-2	ug/L	4/25/2018			<5					<5	<5
Bromoform	75-25-2	ug/L	4/27/2018	<5	<5							
Bromoform	75-25-2	ug/L	10/16/2018	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/16/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<50	<5
Bromoform	75-25-2	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<25	<5
Bromoform	75-25-2	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	75-25-2	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	75-25-2	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	75-25-2	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	75-25-2	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/16/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	4/29/2024	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/9/2024			<5.00				<5.00	<5.00	
Bromoform	75-25-2	ug/L	10/10/2024				<5.00	<5.00	<5.00			<5.00
Bromoform	75-25-2	ug/L	10/14/2024	<5.00	<5.00							
Bromoform	75-25-2	ug/L	4/28/2025			<5.00				<5.00	<5.00	<5.00
Bromoform	75-25-2	ug/L	4/29/2025				<5.00	<5.00	<5.00			
Bromoform	75-25-2	ug/L	5/8/2025	<5.00	<5.00							
Bromomethane	74-83-9	ug/L	2/27/2008	<4	<4	<4	<4	<4				
Bromomethane	74-83-9	ug/L	5/12/2008	<4	<4	<4	<4	<4				
Bromomethane	74-83-9	ug/L	7/13/2008	<4	<4	<4	<4	<4				
Bromomethane	74-83-9	ug/L	9/14/2008	<4	<4	<4	<4	<4				
Bromomethane	74-83-9	ug/L	11/17/2008	<4	<4	<4	<4	<4				
Bromomethane	74-83-9	ug/L	4/14/2009	<4	<4	<4	<4	<4				
Bromomethane	74-83-9	ug/L	7/7/2009						<4	<4	<80	<4
Bromomethane	74-83-9	ug/L	9/2/2009						<4	<4	<40	<4
Bromomethane	74-83-9	ug/L	10/25/2009	<4	<4	<4	<4	<4	<4	<4	<40	<4
Bromomethane	74-83-9	ug/L	1/2/2010						<4	<4	<40	<4
Bromomethane	74-83-9	ug/L	3/3/2010						<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	5/10/2010	<5	<4	<4	<4	<4	<4	<4	<20	<4
Bromomethane	74-83-9	ug/L	11/1/2010	<4	<4	<4	<4	<4	<4	<4	<20	<4
Bromomethane	74-83-9	ug/L	10/13/2011	<4	<4	<4	<4	<4	<4	<4	<20	<4
Bromomethane	74-83-9	ug/L	4/11/2012	<4	<4	<4	<4	<4	<4	<4	<40	<4
Bromomethane	74-83-9	ug/L	10/11/2012	<4	<4	<4	<4	<4	<4	<4	<40	<4
Bromomethane	74-83-9	ug/L	3/30/2013	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/7/2013		<4	<4	<4	<4	<4	<4		<4
Bromomethane	74-83-9	ug/L	6/2/2014	<4	0.23J	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/15/2014	<4	<4	<4	<4	<4	<4	<4	<40	<4

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Bromomethane	74-83-9	ug/L	4/6/2015	0.288J	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/5/2015	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/4/2016	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/17/2016	<4	0.389J	<4	<4	<4	<4	<4	<4	0.611J
Bromomethane	74-83-9	ug/L	4/17/2017	0.515J	0.414J	0.304J	0.442J	0.373J	0.488J	0.554J	0.268J	0.432J
Bromomethane	74-83-9	ug/L	10/11/2017	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/23/2018					<4	<4			
Bromomethane	74-83-9	ug/L	4/24/2018				<4			<4		
Bromomethane	74-83-9	ug/L	4/25/2018			<4					<4	<4
Bromomethane	74-83-9	ug/L	4/27/2018	<4	<4							
Bromomethane	74-83-9	ug/L	10/16/2018	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/16/2019	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/1/2019	<4	<4	<4	<4	<4	<4	<4	<40	<4
Bromomethane	74-83-9	ug/L	3/30/2020	<4	<4	<4	<4	<4	<4	<4	<20	<4
Bromomethane	74-83-9	ug/L	10/7/2020	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	74-83-9	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	74-83-9	ug/L	5/2/2022	<1	<1	<1	0.6J	<1	<1	<1	<1	0.7J
Bromomethane	74-83-9	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	74-83-9	ug/L	5/1/2023	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/16/2023	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	4/29/2024	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/9/2024			<4.00				<4.00	<4.00	
Bromomethane	74-83-9	ug/L	10/10/2024				<4.00	<4.00	<4.00			<4.00
Bromomethane	74-83-9	ug/L	10/14/2024	<4.00	<4.00							
Bromomethane	74-83-9	ug/L	4/28/2025			<4.00				<4.00	<4.00	<4.00
Bromomethane	74-83-9	ug/L	4/29/2025				<4.00	<4.00	<4.00			
Bromomethane	74-83-9	ug/L	5/8/2025	<4.00	<4.00							
Butyl benzyl phthalate	85-68-7	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Butyl benzyl phthalate	85-68-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Butyl benzyl phthalate	85-68-7	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Butyl benzyl phthalate	85-68-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Butyl benzyl phthalate	85-68-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Butyl benzyl phthalate	85-68-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Butyl benzyl phthalate	85-68-7	ug/L	5/8/2025	<10.0	<10.9							
Cadmium	7440-43-9	mg/L	2/27/2008	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	5/12/2008	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	7/13/2008	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	9/14/2008	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	11/17/2008	<0.0005	<0.0005	<0.0005	<0.0005	0.000508				
Cadmium	7440-43-9	mg/L	4/14/2009	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
Cadmium	7440-43-9	mg/L	7/7/2009						<0.0025	<0.0025	<0.0025	<0.0025
Cadmium	7440-43-9	mg/L	9/2/2009						<0.0025	<0.0025	<0.0025	<0.0025
Cadmium	7440-43-9	mg/L	10/25/2009	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Cadmium	7440-43-9	mg/L	1/2/2010						<0.0025	<0.0025	<0.0025	<0.0025
Cadmium	7440-43-9	mg/L	3/3/2010						<0.0025	<0.0025	<0.0025	<0.0025
Cadmium	7440-43-9	mg/L	5/10/2010	<0.0004	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004	<0.0008	<0.0004
Cadmium	7440-43-9	mg/L	11/1/2010						<0.0025	<0.0025	<0.0025	<0.0025
Cadmium	7440-43-9	mg/L	4/4/2011						<0.0025	<0.0025	<0.0025	<0.0025
Cadmium	7440-43-9	mg/L	10/13/2011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00388
Cadmium	7440-43-9	mg/L	4/11/2012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	10/11/2012	<0.0005	<0.0005	<0.0005	<0.0005	0.000524	<0.0005	<0.0005	<0.0005	0.000837
Cadmium	7440-43-9	mg/L	3/30/2013	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000874
Cadmium	7440-43-9	mg/L	10/7/2013	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	6/2/2014	<0.0005	<0.0005	<0.0005	0.00015J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	10/15/2014	0.000682	<0.0005	<0.0005	<0.0005	0.000088J	<0.0005	0.0013	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	4/6/2015	<0.0005	<0.0005	<0.0005	<0.0005	0.000359J	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	10/5/2015	<0.0005	<0.0005	<0.0005	<0.0005	0.00109	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	4/4/2016	<0.0005	<0.0005	<0.0005	<0.0005	0.000209J	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	10/17/2016	<0.0005	<0.0005	<0.0005	<0.0005	0.000729	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	4/17/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	10/11/2017	<0.0005	0.000089J	0.000047J	0.000133J	0.000045J	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	4/23/2018					<0.0005	<0.0005			

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Cadmium	7440-43-9	mg/L	4/24/2018				<0.0005			<0.0005		
Cadmium	7440-43-9	mg/L	4/25/2018			<0.0005					<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	4/27/2018	<0.0005	0.000093J							
Cadmium	7440-43-9	mg/L	10/16/2018	<0.0005	0.000062J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	4/16/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cadmium	7440-43-9	mg/L	10/1/2019	<0.0001	<0.0001	<0.0001	0.000056J	<0.0001	<0.0001	<0.0001	0.000073J	<0.0001
Cadmium	7440-43-9	mg/L	3/30/2020	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Cadmium	7440-43-9	mg/L	10/7/2020	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Cadmium	7440-43-9	mg/L	4/13/2021	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008
Cadmium	7440-43-9	mg/L	10/20/2021	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	0.0002J	<0.0008	<0.0008	0.0002J
Cadmium	7440-43-9	mg/L	5/2/2022	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008
Cadmium	7440-43-9	mg/L	10/14/2022	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008
Cadmium	7440-43-9	mg/L	5/1/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Cadmium	7440-43-9	mg/L	10/16/2023	0.000183J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Cadmium	7440-43-9	mg/L	4/29/2024	0.000145J	0.000149J	<0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0008
Cadmium	7440-43-9	mg/L	10/9/2024			<0.000200				<0.000200	<0.000200	
Cadmium	7440-43-9	mg/L	10/10/2024				<0.000200	<0.000200	<0.000200			<0.000200
Cadmium	7440-43-9	mg/L	10/14/2024	<0.000200	0.000167J							
Cadmium	7440-43-9	mg/L	4/28/2025			<0.000200				<0.00100	<0.000200	<0.000200
Cadmium	7440-43-9	mg/L	4/29/2025				<0.000200	0.000288	<0.000200			
Cadmium	7440-43-9	mg/L	5/8/2025	<0.000200	0.000123							
Calcium	7440-70-2	mg/L	6/2/2014	168; 175	168	289	172		190	124	294	152
Calcium	7440-70-2	mg/L	10/15/2014	174	161	293	177	162	197	131	243	154
Calcium	7440-70-2	mg/L	3/30/2020				178					
Carbon Disulfide	75-15-0	ug/L	2/27/2008	<1	<1	<1	<1	<1				
Carbon Disulfide	75-15-0	ug/L	5/12/2008	<1	<1	<1	<1	<1				
Carbon Disulfide	75-15-0	ug/L	7/13/2008	<1	<1	<1	<1	<1				
Carbon Disulfide	75-15-0	ug/L	9/14/2008	<1	<1	<1	<1	<1				
Carbon Disulfide	75-15-0	ug/L	11/17/2008	<1	<1	<1	<1	<1				
Carbon Disulfide	75-15-0	ug/L	4/14/2009	<1	<1	<1	<1	<1				
Carbon Disulfide	75-15-0	ug/L	7/7/2009						<1	<1	<20	<1
Carbon Disulfide	75-15-0	ug/L	9/2/2009						<1	<1	<10	<1
Carbon Disulfide	75-15-0	ug/L	10/25/2009	<5	<5	<5	<5	<5	<5	<5	<50	<1
Carbon Disulfide	75-15-0	ug/L	1/2/2010						<5	<5	<50	<1
Carbon Disulfide	75-15-0	ug/L	3/3/2010						<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	5/10/2010	<1	<4	<4	<4	<4	<4	<4	<20	<4
Carbon Disulfide	75-15-0	ug/L	11/1/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
Carbon Disulfide	75-15-0	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	<5	<1
Carbon Disulfide	75-15-0	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Carbon Disulfide	75-15-0	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Carbon Disulfide	75-15-0	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1.5	<1
Carbon Disulfide	75-15-0	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
Carbon Disulfide	75-15-0	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<10	<1
Carbon Disulfide	75-15-0	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	0.332J	<1	0.399J
Carbon Disulfide	75-15-0	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/23/2018					<1	<1			
Carbon Disulfide	75-15-0	ug/L	4/24/2018				<1			<1		
Carbon Disulfide	75-15-0	ug/L	4/25/2018			<1					<1	<1
Carbon Disulfide	75-15-0	ug/L	4/27/2018	<1	<1							
Carbon Disulfide	75-15-0	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<10	<1
Carbon Disulfide	75-15-0	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
Carbon Disulfide	75-15-0	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Carbon Disulfide	75-15-0	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	4/29/2024	<1	<1	0.541J	<1	<1	<1	<1	<1	13.3
Carbon Tetrachloride	56-23-5	ug/L	2/27/2008	<2	<2	<2	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	5/12/2008	<2	<2	<2	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	7/13/2008	<2	<2	<2	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	9/14/2008	<2	<2	<2	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	11/17/2008	<2	<2	<2	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	4/14/2009	<2	<2	<2	<2	<2				
Carbon Tetrachloride	56-23-5	ug/L	7/7/2009						<2	<2	<40	<2
Carbon Tetrachloride	56-23-5	ug/L	9/2/2009						<2	<2	<20	<2
Carbon Tetrachloride	56-23-5	ug/L	10/25/2009	<2	<5	<2	<2	<2	<2	<2	<20	<2
Carbon Tetrachloride	56-23-5	ug/L	1/2/2010						<5	<5	<50	<2
Carbon Tetrachloride	56-23-5	ug/L	3/3/2010						<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4	<4	<20	<4
Carbon Tetrachloride	56-23-5	ug/L	11/1/2010	<5	<2	<5	<5	<5	<5	<5	<10	<5
Carbon Tetrachloride	56-23-5	ug/L	10/13/2011	<2	<2	<2	<2	<2	<2	<2	<10	<2
Carbon Tetrachloride	56-23-5	ug/L	4/11/2012	<2	<2	<2	<2	<2	<2	<2	<20	<2
Carbon Tetrachloride	56-23-5	ug/L	10/11/2012	<2	<2	<2	<2	<2	<2	<2	<20	<2
Carbon Tetrachloride	56-23-5	ug/L	3/30/2013	<2	<2	<2	<2	<2	<2	<2	<2.4	<2
Carbon Tetrachloride	56-23-5	ug/L	10/7/2013		<2	<2	<2	<2	<2	<2		<2
Carbon Tetrachloride	56-23-5	ug/L	6/2/2014	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/15/2014	<2	<2	<2	<2	<2	<2	<2	<20	<2
Carbon Tetrachloride	56-23-5	ug/L	4/6/2015	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/5/2015	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/4/2016	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/17/2016	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/17/2017	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/11/2017	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/23/2018					<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	4/24/2018				<2			<2		
Carbon Tetrachloride	56-23-5	ug/L	4/25/2018			<2					<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/27/2018	<2	<2							
Carbon Tetrachloride	56-23-5	ug/L	10/16/2018	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/16/2019	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/1/2019	<2	<2	<2	<2	<2	<2	<2	<20	<2
Carbon Tetrachloride	56-23-5	ug/L	3/30/2020	<2	<2	<2	<2	<2	<2	<2	<10	<2
Carbon Tetrachloride	56-23-5	ug/L	10/7/2020	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	ug/L	10/20/2021	<1	<1	<1	<1	<1	0.4J	<1	<1	<1
Carbon Tetrachloride	56-23-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	0.4J	<1
Carbon Tetrachloride	56-23-5	ug/L	10/14/2022	<1	<1	0.4J	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	ug/L	5/1/2023	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/16/2023	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	4/29/2024	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon disulfide	75-15-0	ug/L	10/9/2024			<1.00				<1.00	<1.00	
Carbon disulfide	75-15-0	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
Carbon disulfide	75-15-0	ug/L	10/14/2024	<1.00	<1.00							
Carbon disulfide	75-15-0	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
Carbon disulfide	75-15-0	ug/L	4/29/2025				<1.00	<1.00	<1.00			
Carbon disulfide	75-15-0	ug/L	5/8/2025	<1.00	<1.00							
Carbon tetrachloride	56-23-5	ug/L	10/9/2024			<2.00				<2.00	<2.00	
Carbon tetrachloride	56-23-5	ug/L	10/10/2024				<2.00	<2.00	<2.00			<2.00
Carbon tetrachloride	56-23-5	ug/L	10/14/2024	<2.00	<2.00							
Carbon tetrachloride	56-23-5	ug/L	4/28/2025			<2.00				<2.00	<2.00	<2.00
Carbon tetrachloride	56-23-5	ug/L	4/29/2025				<2.00	<2.00	<2.00			
Carbon tetrachloride	56-23-5	ug/L	5/8/2025	<2.00	<2.00							
Carbonate	CARB	mg/L	6/2/2014	<5	<5	<5	<5		<5	<5	<5	<5
Carbonate	CARB	mg/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbonate	CARB	mg/L	3/30/2020				<10					
Chlordane	57-74-9	ug/L	4/14/2009	<2	<2	<2	<2	<2				
Chlordane	57-74-9	ug/L	5/10/2010	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chlordane	57-74-9	ug/L	10/5/2015	<2.13	<2.08	<2.04	<2.02	<2.08	<2.02	<2	<2	<2

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Chlordane	57-74-9	ug/L	3/30/2020	<2.22	<2.13	<2.08	<2.08	<2.08	<2.08	<2.06	<2.08	<2.08
Chlordane (technical)	12789-03-6	ug/L	4/28/2025			<1.81				<1.80	<1.81	<1.79
Chlordane (technical)	12789-03-6	ug/L	4/29/2025				<1.79	<1.81	<1.80			
Chlordane (technical)	12789-03-6	ug/L	5/8/2025	<1.82	<1.80							
Chloride	16887-00-6	mg/L	6/2/2014	8.52	11.3	69.9	59.7		107	12.5	550	7.27
Chloride	16887-00-6	mg/L	10/15/2014	8.83	10.2	69.6	61.9	232	105	10.3	367	9.42
Chloride	16887-00-6	mg/L	3/30/2020				43.3					
Chlorobenzene	108-90-7	ug/L	2/27/2008	<1	<1	<1	<1	<1				
Chlorobenzene	108-90-7	ug/L	5/12/2008	<1	<1	<1	<1	<1				
Chlorobenzene	108-90-7	ug/L	7/13/2008	<1	<1	<1	<1	<1				
Chlorobenzene	108-90-7	ug/L	9/14/2008	<1	<1	<1	<1	<1				
Chlorobenzene	108-90-7	ug/L	11/17/2008	<1	<1	<1	<1	<1				
Chlorobenzene	108-90-7	ug/L	4/14/2009	<1	<1	<1	<1	<1				
Chlorobenzene	108-90-7	ug/L	7/7/2009						<1	<1	<20	<1
Chlorobenzene	108-90-7	ug/L	9/2/2009						<1	<1	<10	<1
Chlorobenzene	108-90-7	ug/L	10/25/2009	<2	<1	<2	<2	<2	<2	<2	<20	<1
Chlorobenzene	108-90-7	ug/L	1/2/2010						<1	<1	<10	<1
Chlorobenzene	108-90-7	ug/L	3/3/2010						<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
Chlorobenzene	108-90-7	ug/L	11/1/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
Chlorobenzene	108-90-7	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	<5	<1
Chlorobenzene	108-90-7	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Chlorobenzene	108-90-7	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Chlorobenzene	108-90-7	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1.9	<1
Chlorobenzene	108-90-7	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
Chlorobenzene	108-90-7	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	0.777J	<1
Chlorobenzene	108-90-7	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<10	<1
Chlorobenzene	108-90-7	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	0.805J	<1
Chlorobenzene	108-90-7	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	1.24	<1
Chlorobenzene	108-90-7	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	0.936J	<1
Chlorobenzene	108-90-7	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/23/2018					<1	<1			
Chlorobenzene	108-90-7	ug/L	4/24/2018				<1			<1		
Chlorobenzene	108-90-7	ug/L	4/25/2018			<1					0.737J	<1
Chlorobenzene	108-90-7	ug/L	4/27/2018	<1	<1							
Chlorobenzene	108-90-7	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	0.691J	<1
Chlorobenzene	108-90-7	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<10	<1
Chlorobenzene	108-90-7	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
Chlorobenzene	108-90-7	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	0.7J	<1
Chlorobenzene	108-90-7	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	0.8J	<1
Chlorobenzene	108-90-7	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	0.7J	<1
Chlorobenzene	108-90-7	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	0.8J	<1
Chlorobenzene	108-90-7	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	0.644J	<1
Chlorobenzene	108-90-7	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	0.75J	<1
Chlorobenzene	108-90-7	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1	<1	0.677J	<1
Chlorobenzene	108-90-7	ug/L	10/9/2024			<1.00				<1.00	0.750J	
Chlorobenzene	108-90-7	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
Chlorobenzene	108-90-7	ug/L	10/14/2024	<1.00	<1.00							
Chlorobenzene	108-90-7	ug/L	4/28/2025			<1.00				<1.00	0.651	<1.00
Chlorobenzene	108-90-7	ug/L	4/29/2025				<1.00	<1.00	<1.00			
Chlorobenzene	108-90-7	ug/L	5/8/2025	<1.00	<1.00							
Chlorobenzilate	510-15-6	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Chlorobenzilate	510-15-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chlorobenzilate	510-15-6	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Chlorobenzilate	510-15-6	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Chlorobenzilate	510-15-6	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Chlorobenzilate	510-15-6	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Chlorobenzilate	510-15-6	ug/L	5/8/2025	<10.0	<10.9							
Chlorodibromomethane	124-48-1	ug/L	2/27/2008	<5	<5	<5	<5	<5				

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Chlorodibromomethane	124-48-1	ug/L	5/12/2008	<5	<5	<5	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	7/13/2008	<5	<5	<5	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	9/14/2008	<5	<5	<5	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	11/17/2008	<5	<5	<5	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	4/14/2009	<5	<5	<5	<5	<5				
Chlorodibromomethane	124-48-1	ug/L	7/7/2009						<5	<5	<100	<5
Chlorodibromomethane	124-48-1	ug/L	9/2/2009						<5	<5	<50	<5
Chlorodibromomethane	124-48-1	ug/L	10/25/2009	<5	<10	<5	<5	<5	<5	<5	<50	<5
Chlorodibromomethane	124-48-1	ug/L	1/2/2010						<50	<50	<500	<10
Chlorodibromomethane	124-48-1	ug/L	3/3/2010						<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	5/10/2010	<10	<5	<5	<5	<5	<5	<5	<25	<5
Chlorodibromomethane	124-48-1	ug/L	11/1/2010	<5	<5	<5	<5	<5	<5	<5	<25	<5
Chlorodibromomethane	124-48-1	ug/L	10/13/2011	<5	<5	<5	<5	<5	<5	<5	<25	<5
Chlorodibromomethane	124-48-1	ug/L	4/11/2012	<5	<5	<5	<5	<5	<5	<5	<50	<5
Chlorodibromomethane	124-48-1	ug/L	10/11/2012	<5	<5	<5	<5	<5	<5	<5	<50	<5
Chlorodibromomethane	124-48-1	ug/L	3/30/2013	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/7/2013		<5	<5	<5	<5	<5	<5		<5
Chlorodibromomethane	124-48-1	ug/L	6/2/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<50	<5
Chlorodibromomethane	124-48-1	ug/L	4/6/2015	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/5/2015	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/4/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/17/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/17/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/11/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/23/2018					<5	<5			
Chlorodibromomethane	124-48-1	ug/L	4/24/2018				<5			<5		
Chlorodibromomethane	124-48-1	ug/L	4/25/2018			<5					<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/27/2018	<5	<5							
Chlorodibromomethane	124-48-1	ug/L	10/16/2018	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/16/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<50	<5
Chlorodibromomethane	124-48-1	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<25	<5
Chlorodibromomethane	124-48-1	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorodibromomethane	124-48-1	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorodibromomethane	124-48-1	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorodibromomethane	124-48-1	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorodibromomethane	124-48-1	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/16/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	4/29/2024	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/9/2024			<5.00				<5.00	<5.00	
Chlorodibromomethane	124-48-1	ug/L	10/10/2024				<5.00	<5.00	<5.00			<5.00
Chlorodibromomethane	124-48-1	ug/L	10/14/2024	<5.00	<5.00							
Chlorodibromomethane	124-48-1	ug/L	4/28/2025			<5.00				<5.00	<5.00	<5.00
Chlorodibromomethane	124-48-1	ug/L	4/29/2025				<5.00	<5.00	<5.00			
Chlorodibromomethane	124-48-1	ug/L	5/8/2025	<5.00	<5.00							
Chloroethane	75-00-3	ug/L	2/27/2008	<4	<4	<4	12.2	<4				
Chloroethane	75-00-3	ug/L	5/12/2008	<4	<4	<4	15.7	<4				
Chloroethane	75-00-3	ug/L	7/13/2008	<4	<4	<4	11.9	<4				
Chloroethane	75-00-3	ug/L	9/14/2008	<4	<4	<4	12.3	<4				
Chloroethane	75-00-3	ug/L	11/17/2008	<4	<4	<4	10.1	<4				
Chloroethane	75-00-3	ug/L	4/14/2009	<4	<4	<4	7.12	<4				
Chloroethane	75-00-3	ug/L	7/7/2009				7.87		<4	<4	<80	<4
Chloroethane	75-00-3	ug/L	9/2/2009				6.33		<4	<4	<40	<4
Chloroethane	75-00-3	ug/L	10/25/2009	<4	<4	<4	5.51	<4	<4	<4	<40	<4
Chloroethane	75-00-3	ug/L	1/2/2010				6.13		<4	<4	<40	<4
Chloroethane	75-00-3	ug/L	3/3/2010						4.53	4.25	<4	<4
Chloroethane	75-00-3	ug/L	5/10/2010	<4	<4	<4	5.59	<4	4.51	<4	<20	<4
Chloroethane	75-00-3	ug/L	7/8/2010						4.17			
Chloroethane	75-00-3	ug/L	9/13/2010						6.05			
Chloroethane	75-00-3	ug/L	11/1/2010	<4	<4	<4	5.4	<4	5.91	<4	<20	<4
Chloroethane	75-00-3	ug/L	1/10/2011						4.35			

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Chloroethane	75-00-3	ug/L	4/4/2011				<4		<4			
Chloroethane	75-00-3	ug/L	10/13/2011	<4	<4	<4	<4	<4	5	<4	<20	<4
Chloroethane	75-00-3	ug/L	4/11/2012	<4	<4	<4	<4	<4	<4	<4	<40	<4
Chloroethane	75-00-3	ug/L	10/11/2012	<4	<4	<4	<4	<4	4.83	<4	<40	<4
Chloroethane	75-00-3	ug/L	3/30/2013	<4	<4	<4	5.1	<4	5.74	4.6	<4	<4
Chloroethane	75-00-3	ug/L	10/7/2013		<4	<4	<4	<4	<4	<4		<4
Chloroethane	75-00-3	ug/L	6/2/2014	<4	<4	<4	4.9	1.36J	3.17J	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/15/2014	<4	<4	<4	<4	<4	3.22J	<4	<40	<4
Chloroethane	75-00-3	ug/L	4/6/2015	<4	<4	<4	4.01	1.26J	2.87J	1.58J	<4	<4
Chloroethane	75-00-3	ug/L	10/5/2015	<4	<4	<4	2.92J	1.02J	2.67J	<4	0.499J	<4
Chloroethane	75-00-3	ug/L	4/4/2016	<4	<4	<4	2.23J	1.53J	1.96J	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/17/2016	<4	<4	<4	2.79J	1.72J	2.8J	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/17/2017	<4	<4	<4	2.28J	0.985J	1.18J	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/11/2017	<4	<4	<4	2.24J	1.19J	0.717J	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/23/2018					0.884J	0.921J			
Chloroethane	75-00-3	ug/L	4/24/2018				0.937J			<4		
Chloroethane	75-00-3	ug/L	4/25/2018			<4					<4	<4
Chloroethane	75-00-3	ug/L	4/27/2018	<4	<4							
Chloroethane	75-00-3	ug/L	10/16/2018	<4	<4	<4	1.93J	1.86J	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/16/2019	<4	<4	<4	0.815J	<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/1/2019	<4	<4	<4	1.85J	1.19J	1.36J	<4	<40	<4
Chloroethane	75-00-3	ug/L	3/30/2020	<4	<4	<4	1.39J	<4	<4	<4	<20	<4
Chloroethane	75-00-3	ug/L	10/7/2020	<4	<4	<4	1.32J	0.922J	0.85J	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/13/2021	<1	<1	<1	0.6J; <1	<1	<1	<1	<1	<1
Chloroethane	75-00-3	ug/L	10/20/2021	<1	<1	<1	1	0.8J	<1	<1	<1	<1
Chloroethane	75-00-3	ug/L	5/2/2022	<1	<1	<1	0.7J	<1	<1	<1	<1	<1
Chloroethane	75-00-3	ug/L	10/14/2022	0.8J	0.6J	<1	0.7J	0.6J	<1	<1	<1	<1
Chloroethane	75-00-3	ug/L	5/1/2023	<4	<4	<4	<4	1.32J	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/16/2023	<4	<4	<4	0.833J	0.823J	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	4/29/2024	<4	<4	<4	<4	0.824J	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/9/2024			<4.00				<4.00	<4.00	
Chloroethane	75-00-3	ug/L	10/10/2024				<4.00	<4.00	<4.00			<4.00
Chloroethane	75-00-3	ug/L	10/14/2024	<4.00	<4.00							
Chloroethane	75-00-3	ug/L	4/28/2025			<4.00				<4.00	<4.00	<4.00
Chloroethane	75-00-3	ug/L	4/29/2025				<4.00	<4.00	<4.00			
Chloroethane	75-00-3	ug/L	5/8/2025	<4.00	<4.00							
Chloroform	67-66-3	ug/L	2/27/2008	<1	<1	<1	<1	<1				
Chloroform	67-66-3	ug/L	5/12/2008	<1	<1	<1	<1	<1				
Chloroform	67-66-3	ug/L	7/13/2008	<1	<1	<1	<1	<1				
Chloroform	67-66-3	ug/L	9/14/2008	<1	<1	<1	<1	<1				
Chloroform	67-66-3	ug/L	11/17/2008	<1	<1	<2.5	<2.5	<1				
Chloroform	67-66-3	ug/L	4/14/2009	<1	<1	<1	<1	<1				
Chloroform	67-66-3	ug/L	7/7/2009						<1	<1	<20	<1
Chloroform	67-66-3	ug/L	9/2/2009						<1	<1	<10	<1
Chloroform	67-66-3	ug/L	10/25/2009	<2	<1	<2	<2	<2	<2	<2	<20	<1
Chloroform	67-66-3	ug/L	1/2/2010						<1	<1	<10	<1
Chloroform	67-66-3	ug/L	3/3/2010						<1	<1	<1	<1
Chloroform	67-66-3	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
Chloroform	67-66-3	ug/L	11/1/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
Chloroform	67-66-3	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	<5	<1
Chloroform	67-66-3	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Chloroform	67-66-3	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Chloroform	67-66-3	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<2.8	<1
Chloroform	67-66-3	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
Chloroform	67-66-3	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	4.16J	<1
Chloroform	67-66-3	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	4/23/2018					<1	<1			

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Chloroform	67-66-3	ug/L	4/24/2018				<1			<1		
Chloroform	67-66-3	ug/L	4/25/2018			<1					<1	<1
Chloroform	67-66-3	ug/L	4/27/2018	<1	<1							
Chloroform	67-66-3	ug/L	10/16/2018	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	4/16/2019	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	10/1/2019	<3	<3	<3	<3	<3	<3	<3	<30	<3
Chloroform	67-66-3	ug/L	3/30/2020	<3	<3	<3	<3	<3	<3	<3	<15	<3
Chloroform	67-66-3	ug/L	10/7/2020	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	67-66-3	ug/L	5/1/2023	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	10/16/2023	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	4/29/2024	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	10/9/2024			<3.00				<3.00	<3.00	
Chloroform	67-66-3	ug/L	10/10/2024				<3.00	<3.00	<3.00			<3.00
Chloroform	67-66-3	ug/L	10/14/2024	<3.00	<3.00							
Chloroform	67-66-3	ug/L	4/28/2025			<3.00				<3.00	<3.00	<3.00
Chloroform	67-66-3	ug/L	4/29/2025				<3.00	<3.00	<3.00			
Chloroform	67-66-3	ug/L	5/8/2025	<3.00	<3.00							
Chloromethane	74-87-3	ug/L	2/27/2008	<3	<3	<3	<3	<3				
Chloromethane	74-87-3	ug/L	5/12/2008	<3	<3	<3	<3	<3				
Chloromethane	74-87-3	ug/L	7/13/2008	<3	<3	<3	<3	<3				
Chloromethane	74-87-3	ug/L	9/14/2008	<3	<3	<3	<3	<3				
Chloromethane	74-87-3	ug/L	11/17/2008	<3	<3	<3	<3	<3				
Chloromethane	74-87-3	ug/L	4/14/2009	<3	<3	<3	<3	<3				
Chloromethane	74-87-3	ug/L	7/7/2009						<3	<3	<60	<3
Chloromethane	74-87-3	ug/L	9/2/2009						<3	<3	<30	<3
Chloromethane	74-87-3	ug/L	10/25/2009	<3	<3	<3	<3	<3	<3	<3	<30	<3
Chloromethane	74-87-3	ug/L	1/2/2010						<3	<3	<30	<3
Chloromethane	74-87-3	ug/L	3/3/2010						<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	5/10/2010	<3	<3	<3	<3	<3	<3	<3	<15	<3
Chloromethane	74-87-3	ug/L	11/1/2010	<3	<3	<3	<3	<3	<3	<3	<15	<3
Chloromethane	74-87-3	ug/L	10/13/2011	<3	<3	<3	<3	<3	<3	<3	<15	<3
Chloromethane	74-87-3	ug/L	4/11/2012	<3	<3	<3	<3	<3	<3	<3	<30	<3
Chloromethane	74-87-3	ug/L	10/11/2012	<3	<3	<3	<3	<3	<3	<3	<30	<3
Chloromethane	74-87-3	ug/L	3/30/2013	<3	<3	<3	<3	<3	<3	<3	<3.1	<3
Chloromethane	74-87-3	ug/L	10/7/2013		<3	<3	<3	<3	<3	<3		<3
Chloromethane	74-87-3	ug/L	6/2/2014	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/15/2014	<3	<3	<3	<3	<3	<3	<3	<30	<3
Chloromethane	74-87-3	ug/L	4/6/2015	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/5/2015	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/4/2016	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/17/2016	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/17/2017	0.315J	<3	<3	0.368J	0.389J	0.348J	0.571J	<3	<3
Chloromethane	74-87-3	ug/L	10/11/2017	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/23/2018					<3	<3			
Chloromethane	74-87-3	ug/L	4/24/2018				<3			<3		
Chloromethane	74-87-3	ug/L	4/25/2018			<3					<3	<3
Chloromethane	74-87-3	ug/L	4/27/2018	<3	<3							
Chloromethane	74-87-3	ug/L	10/16/2018	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/16/2019	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/1/2019	<3	<3	<3	<3	<3	<3	<3	<30	<3
Chloromethane	74-87-3	ug/L	3/30/2020	<3	<3	<3	<3	<3	<3	<3	<15	<3
Chloromethane	74-87-3	ug/L	10/7/2020	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	74-87-3	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	74-87-3	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	74-87-3	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	74-87-3	ug/L	5/1/2023	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/16/2023	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	4/29/2024	<3	<3	<3	<3	<3	0.862J	<3	<3	<3

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Chloromethane	74-87-3	ug/L	10/9/2024			<3.00				<3.00	<3.00	
Chloromethane	74-87-3	ug/L	10/10/2024				<3.00	<3.00	<3.00			<3.00
Chloromethane	74-87-3	ug/L	10/14/2024	<3.00	<3.00							
Chloromethane	74-87-3	ug/L	4/28/2025			<3.00				<3.00	<3.00	<3.00
Chloromethane	74-87-3	ug/L	4/29/2025				<3.00	<3.00	<3.00			
Chloromethane	74-87-3	ug/L	5/8/2025	<3.00	<3.00							
Chloroprene	126-99-8	ug/L	4/14/2009	<1	<1	<1	<1	<1				
Chloroprene	126-99-8	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
Chloroprene	126-99-8	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroprene	126-99-8	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
Chloroprene	126-99-8	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
Chloroprene	126-99-8	ug/L	4/29/2025				<1.00	<1.00	<1.00			
Chloroprene	126-99-8	ug/L	5/8/2025	<1.00	<1.00							
Chromium	7440-47-3	mg/L	2/27/2008	<0.1	<0.1	<0.1	<0.1	<0.1				
Chromium	7440-47-3	mg/L	5/12/2008	<0.1	<0.1	<0.1	<0.1	<0.1				
Chromium	7440-47-3	mg/L	7/13/2008	<0.1	<0.1	<0.1	<0.1	<0.1				
Chromium	7440-47-3	mg/L	9/14/2008	<0.1	<0.1	<0.1	<0.1	<0.1				
Chromium	7440-47-3	mg/L	11/17/2008	<0.02	<0.02	<0.02	<0.02	<0.02				
Chromium	7440-47-3	mg/L	4/14/2009	<0.1	<0.1	<0.1	<0.1	<0.1				
Chromium	7440-47-3	mg/L	7/7/2009						<0.1	<0.1	<0.1	<0.1
Chromium	7440-47-3	mg/L	9/2/2009						<0.1	<0.1	<0.1	<0.1
Chromium	7440-47-3	mg/L	10/25/2009	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium	7440-47-3	mg/L	1/2/2010						<0.1	<0.1	<0.1	<0.1
Chromium	7440-47-3	mg/L	3/3/2010						<0.1	<0.1	<0.1	<0.1
Chromium	7440-47-3	mg/L	5/10/2010	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	11/1/2010						<0.1	<0.1	<0.1	<0.1
Chromium	7440-47-3	mg/L	4/4/2011						<0.1	<0.1	<0.1	<0.1
Chromium	7440-47-3	mg/L	10/13/2011	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	4/11/2012	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	10/11/2012	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	3/30/2013	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	10/7/2013	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	6/2/2014	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	10/15/2014	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	7440-47-3	mg/L	4/6/2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00207J	<0.005
Chromium	7440-47-3	mg/L	10/5/2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00195J	<0.005
Chromium	7440-47-3	mg/L	4/4/2016	0.000365J	<0.005	<0.005	<0.005	<0.005	0.00102J	<0.005	0.0018J	<0.005
Chromium	7440-47-3	mg/L	10/17/2016	<0.005	<0.005	0.000397J	<0.005	<0.005	0.0012J	<0.005	0.00139J	0.000385J
Chromium	7440-47-3	mg/L	4/17/2017	<0.005	<0.005	<0.005	<0.005	<0.005	0.00074J	<0.005	0.00161J	<0.005
Chromium	7440-47-3	mg/L	10/11/2017	<0.005	<0.005	<0.005	0.000786J	<0.005	0.00115J	<0.005	0.00215J	<0.005
Chromium	7440-47-3	mg/L	4/23/2018					<0.005	<0.005			
Chromium	7440-47-3	mg/L	4/24/2018				<0.005			<0.005		
Chromium	7440-47-3	mg/L	4/25/2018			<0.005					0.00162J	<0.005
Chromium	7440-47-3	mg/L	4/27/2018	<0.005	<0.005							
Chromium	7440-47-3	mg/L	10/16/2018	<0.005	<0.005	0.0036J	0.00786	<0.005	0.00411J	0.00232J	0.00519	0.00155J
Chromium	7440-47-3	mg/L	4/16/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00157J	<0.005
Chromium	7440-47-3	mg/L	10/1/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00191J	<0.005
Chromium	7440-47-3	mg/L	3/30/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00154J	<0.005
Chromium	7440-47-3	mg/L	10/7/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00157J	<0.005
Chromium	7440-47-3	mg/L	4/13/2021	<0.008	<0.008	<0.008	<0.008	<0.008	0.0006J	<0.008	0.0014J	<0.008
Chromium	7440-47-3	mg/L	10/20/2021	<0.008	<0.008	<0.008	<0.008	<0.008	0.0037J	<0.008	0.0015J	<0.008
Chromium	7440-47-3	mg/L	5/2/2022	<0.008	<0.008	<0.008	<0.008	<0.008	0.0007J	<0.008	0.0013J	<0.008
Chromium	7440-47-3	mg/L	10/14/2022	<0.008	<0.008	<0.008	<0.008	<0.008	0.0012J	<0.008	0.0016J	<0.008
Chromium	7440-47-3	mg/L	5/1/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/16/2023	<0.005	<0.005	<0.005	<0.005	<0.005	0.00121J	<0.005	0.00145J	<0.005
Chromium	7440-47-3	mg/L	4/29/2024	<0.005	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005	0.00133J	<0.02
Chromium	7440-47-3	mg/L	10/9/2024			<0.00500				<0.00500	<0.00500	
Chromium	7440-47-3	mg/L	10/10/2024				<0.00500	<0.00500	<0.00500			<0.00500
Chromium	7440-47-3	mg/L	10/14/2024	<0.00500	<0.00500							
Chromium	7440-47-3	mg/L	4/28/2025			<0.00500				<0.0250	<0.00500	<0.00500
Chromium	7440-47-3	mg/L	4/29/2025				<0.00500	<0.00500	<0.00500			
Chromium	7440-47-3	mg/L	5/8/2025	<0.00500	<0.00500							
Chrysene	218-01-9	ug/L	4/14/2009	<10	<10	<10	<50	<10				

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Chrysene	218-01-9	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chrysene	218-01-9	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Chrysene	218-01-9	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Chrysene	218-01-9	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Chrysene	218-01-9	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Chrysene	218-01-9	ug/L	5/8/2025	<10.0	<10.9							
Cobalt	7440-48-4	mg/L	2/27/2008	0.0411	0.0247	0.0653	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	5/12/2008	<0.02	0.0203	0.0553	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	7/13/2008	0.02	0.0219	0.058	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	9/14/2008	<0.02	0.0204	0.0547	0.0226	<0.02				
Cobalt	7440-48-4	mg/L	11/17/2008	<0.02	0.0229	0.0595	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	4/14/2009	<0.02	0.0253	0.0595	<0.02	<0.02				
Cobalt	7440-48-4	mg/L	7/7/2009		0.0214	0.0569			<0.02	<0.02	<0.02	<0.02
Cobalt	7440-48-4	mg/L	9/2/2009		<0.02	0.056			<0.02	<0.02	<0.02	<0.02
Cobalt	7440-48-4	mg/L	10/25/2009	<0.02	0.0212	0.0597	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt	7440-48-4	mg/L	1/2/2010		0.0265	0.0606			<0.02	<0.02	<0.02	<0.02
Cobalt	7440-48-4	mg/L	3/3/2010						<0.02	<0.02	<0.02	<0.02
Cobalt	7440-48-4	mg/L	5/10/2010	0.00546	0.0236	0.0564	0.0067	<0.02	0.00164	0.00159	0.00279	0.0134
Cobalt	7440-48-4	mg/L	7/8/2010						<0.02	<0.02	<0.02	0.0129
Cobalt	7440-48-4	mg/L	9/13/2010						<0.02	<0.02	0.00303	0.00952
Cobalt	7440-48-4	mg/L	11/1/2010	0.00755	0.0219	0.0586	0.00608	<0.02	0.0017	<0.02	0.00209	0.00911
Cobalt	7440-48-4	mg/L	1/10/2011						<0.02	<0.02	<0.02	
Cobalt	7440-48-4	mg/L	4/4/2011						<0.02	0.00305	0.0024	<0.02
Cobalt	7440-48-4	mg/L	10/13/2011	0.00615	0.0213	0.0585	0.00628	<0.02	<0.02	<0.02	<0.02	0.133
Cobalt	7440-48-4	mg/L	4/11/2012	0.00451	0.0201	0.0612	0.00454	<0.02	<0.02	<0.02	<0.02	0.145
Cobalt	7440-48-4	mg/L	8/1/2012		0.0252							
Cobalt	7440-48-4	mg/L	10/11/2012	0.00492	0.0186	0.0605	0.00316	<0.02	<0.02	<0.02	<0.02	0.0731
Cobalt	7440-48-4	mg/L	3/30/2013	0.00342	0.0258	0.0585	0.00558	0.00215	<0.00132	0.00262	0.00482	0.0605
Cobalt	7440-48-4	mg/L	10/7/2013	<0.007	0.023	0.0717; 0.0686	<0.007	<0.007	<0.007	<0.007	<0.007	0.0509
Cobalt	7440-48-4	mg/L	6/2/2014	0.00328; 0.00343	0.0253	0.0604	0.00265	<0.00241	<0.00241	<0.00241	<0.00241	0.0447
Cobalt	7440-48-4	mg/L	10/15/2014	0.00311	0.0215	0.0646	0.00314	<0.00241	<0.00241	<0.00241	<0.00241	0.0313
Cobalt	7440-48-4	mg/L	4/6/2015	0.00485	0.0252	0.0731; 0.0686	0.00389	0.0013	<0.0005	0.00146	0.00231	0.0127
Cobalt	7440-48-4	mg/L	10/5/2015	0.0049	0.0281	0.0671	0.00301	0.00105	0.000074J	0.00108	0.00198	0.0222
Cobalt	7440-48-4	mg/L	4/4/2016	0.0061	0.0231	0.0736	0.00391	0.00169	0.00004J	0.00125	0.00193	0.018
Cobalt	7440-48-4	mg/L	10/17/2016	0.00392	0.0194	0.065	0.00273	0.000585	0.000084J	0.000974; 0.00109	0.00165	0.0133
Cobalt	7440-48-4	mg/L	4/17/2017	0.0052	0.0256	0.0619	0.00232	0.000878	<0.0005	0.000875	0.00137	0.00252
Cobalt	7440-48-4	mg/L	10/11/2017	0.00512	0.0214	0.0452	0.00419	0.00127	0.000061J	0.00129	0.00155	0.0137; 0.016
Cobalt	7440-48-4	mg/L	4/23/2018					0.0011	<0.0005			
Cobalt	7440-48-4	mg/L	4/24/2018				0.00251			0.000949		
Cobalt	7440-48-4	mg/L	4/25/2018			0.0485					0.00141	0.00938
Cobalt	7440-48-4	mg/L	4/27/2018	0.00576	0.0178							
Cobalt	7440-48-4	mg/L	10/16/2018	0.00507	0.0228	0.048	0.00308	0.00127	0.000622J	0.000911J	0.0021	0.00517
Cobalt	7440-48-4	mg/L	4/16/2019	0.00556	0.034	0.0407	0.00329	0.00102	<0.0005	0.000825	0.00161	0.000655
Cobalt	7440-48-4	mg/L	10/1/2019	0.00419; 0.0046	0.0259	0.0299	0.00319	0.00113	0.000225J	0.000778	0.00202	0.00257
Cobalt	7440-48-4	mg/L	3/30/2020	0.00388	0.0172	0.0289	0.00278	0.000823	<0.0005	0.000812	0.00213	0.000422J
Cobalt	7440-48-4	mg/L	10/7/2020	0.00461	0.025	0.0109	0.00224	0.00184	<0.0005	0.000828	0.00213	0.00247
Cobalt	7440-48-4	mg/L	4/13/2021	0.0041	0.0228	0.0182	0.0027; 0.0026	0.0011	<0.0004	0.0008	0.0017	0.0008
Cobalt	7440-48-4	mg/L	10/20/2021	0.0036	0.018	0.009	0.0019	0.0039	0.0003J	0.0008	0.002	0.0029
Cobalt	7440-48-4	mg/L	5/2/2022	0.0042	0.0246	0.0176	0.0021	0.0011	<0.0004	0.0007	0.0018	0.0006
Cobalt	7440-48-4	mg/L	10/14/2022	0.004	0.0244	0.0108	0.0029	0.01	0.0071	0.0018J	0.0036	0.0009
Cobalt	7440-48-4	mg/L	5/1/2023	0.00499	0.0213	0.0126	0.00218	0.00198	<0.0005	0.00108	0.00177	0.000352J
Cobalt	7440-48-4	mg/L	10/16/2023	0.00113	0.0226	0.0102	0.00165	0.00348	<0.0005	0.00069	0.00207	0.000754
Cobalt	7440-48-4	mg/L	4/29/2024	0.0211	0.0156	0.0202	0.00137	0.000925	<0.0005	0.000567	0.00227	0.000984
Cobalt	7440-48-4	mg/L	10/9/2024			0.0110				0.000706	0.00192	
Cobalt	7440-48-4	mg/L	10/10/2024				0.00142	0.00184	<0.000500			0.000529
Cobalt	7440-48-4	mg/L	10/14/2024	0.00250	0.0213							
Cobalt	7440-48-4	mg/L	4/28/2025			0.0145				0.00324	0.00218	0.000423
Cobalt	7440-48-4	mg/L	4/29/2025				0.00215	0.00257	<0.000500			
Cobalt	7440-48-4	mg/L	5/8/2025	0.00789	0.0115							
Copper	7440-50-8	mg/L	2/27/2008	0.092	<0.025	0.047	0.026	<0.025				
Copper	7440-50-8	mg/L	5/12/2008	0.077	0.073	0.031	<0.025	0.027				
Copper	7440-50-8	mg/L	7/13/2008	0.037	0.038	<0.025	<0.025	<0.025				
Copper	7440-50-8	mg/L	9/14/2008	<0.025	<0.025	<0.025	<0.025	<0.025				

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Copper	7440-50-8	mg/L	11/17/2008	<0.02	<0.02	<0.02	<0.02	<0.02				
Copper	7440-50-8	mg/L	4/14/2009	<0.025	<0.025	<0.025	<0.025	<0.025				
Copper	7440-50-8	mg/L	7/7/2009						<0.025	<0.025	<0.025	<0.025
Copper	7440-50-8	mg/L	9/2/2009						<0.025	<0.025	<0.025	<0.025
Copper	7440-50-8	mg/L	10/25/2009	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.028	<0.025
Copper	7440-50-8	mg/L	1/2/2010						<0.025	<0.025	<0.025	<0.025
Copper	7440-50-8	mg/L	3/3/2010						<0.025	<0.025	<0.025	<0.025
Copper	7440-50-8	mg/L	5/10/2010	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Copper	7440-50-8	mg/L	11/1/2010						<0.025	<0.025	<0.025	<0.025
Copper	7440-50-8	mg/L	4/4/2011						<0.025	<0.025	<0.025	<0.025
Copper	7440-50-8	mg/L	10/13/2011	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.149
Copper	7440-50-8	mg/L	4/11/2012	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Copper	7440-50-8	mg/L	10/11/2012	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Copper	7440-50-8	mg/L	3/30/2013	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0208
Copper	7440-50-8	mg/L	10/7/2013	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Copper	7440-50-8	mg/L	6/2/2014	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.00984J
Copper	7440-50-8	mg/L	10/15/2014	<0.02	<0.02	<0.02	<0.02	0.00538J	0.0135J	0.028	<0.02	0.00966J
Copper	7440-50-8	mg/L	4/6/2015	<0.002	0.000602J	<0.002	<0.002	<0.002	0.000646J	<0.002	<0.002	0.00304
Copper	7440-50-8	mg/L	10/5/2015	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Copper	7440-50-8	mg/L	4/4/2016	0.00355J	0.00444J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	10/17/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00216J	<0.005
Copper	7440-50-8	mg/L	4/17/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	10/11/2017	0.00347J	0.00248J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	4/23/2018					<0.005	<0.005			
Copper	7440-50-8	mg/L	4/24/2018				<0.005			<0.005		
Copper	7440-50-8	mg/L	4/25/2018			<0.005					<0.005	0.00483J
Copper	7440-50-8	mg/L	4/27/2018	0.00351J	<0.005							
Copper	7440-50-8	mg/L	10/16/2018	<0.005	<0.005	0.000929J	0.00178J	<0.002	0.00117J	0.000765J	0.00149J	0.0229
Copper	7440-50-8	mg/L	4/16/2019	<0.005	<0.005	<0.005	<0.005	0.00202J	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	10/1/2019	<0.005; 0.0111	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	3/30/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	10/7/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	4/13/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.0042
Copper	7440-50-8	mg/L	10/20/2021	0.002J	0.0027J	<0.004	<0.004	<0.004	0.0024J	<0.004	0.001J	0.0041
Copper	7440-50-8	mg/L	5/2/2022	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.0013J	0.0034J
Copper	7440-50-8	mg/L	10/14/2022	<0.004	0.0021J	<0.004	<0.004	<0.004	0.002J	<0.004	<0.004	0.0014J
Copper	7440-50-8	mg/L	5/1/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00287J	0.00755
Copper	7440-50-8	mg/L	10/16/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00252J	<0.005	0.00389J
Copper	7440-50-8	mg/L	4/29/2024	<0.005	0.00241J	0.002J	<0.005	<0.005	<0.005	<0.005	<0.005	0.00753
Copper	7440-50-8	mg/L	10/9/2024			<0.00500				<0.00500	<0.00500	
Copper	7440-50-8	mg/L	10/10/2024				<0.00500	<0.00500	<0.00500			0.00555
Copper	7440-50-8	mg/L	10/14/2024	<0.00500	<0.00500							
Copper	7440-50-8	mg/L	4/28/2025			<0.00500				<0.0250	<0.00500	<0.00500
Copper	7440-50-8	mg/L	4/29/2025				<0.00500	<0.00500	<0.00500			
Copper	7440-50-8	mg/L	5/8/2025	<0.00500	<0.00500							
Cyanide	57-12-5	mg/L	4/14/2009	<0.01	<0.01	<0.01	<0.01	<0.01				
Cyanide	57-12-5	mg/L	5/10/2010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide	57-12-5	mg/L	10/5/2015	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide	57-12-5	mg/L	3/30/2020	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cyanide, Total	57-12-5	mg/L	4/28/2025			<0.0100				<0.0100	<0.0100	<0.0100
Cyanide, Total	57-12-5	mg/L	4/29/2025				<0.0100	<0.0100	<0.0100			
Cyanide, Total	57-12-5	mg/L	5/8/2025	<0.0100	<0.0100							
DCAA	19719-28-9	ug/L	10/9/2024								1.82; 1.46	
DCAA	19719-28-9	ug/L	4/28/2025			1.45; 1.34				1.03; 0.993	1.29; 1.51	1.42; 1.24
DCAA	19719-28-9	ug/L	4/29/2025				1.61; 1.55	1.85; 1.77	1.40; 1.33			
DCAA	19719-28-9	ug/L	5/8/2025	1.08; 1.15	1.19; 1.15							
DCB Decachlorobiphenyl (Surr)	2051-24-3	ug/L	10/9/2024								13.9	
Delta-BHC	319-86-8	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
Delta-BHC	319-86-8	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
Delta-BHC	319-86-8	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	<0.0323	<0.0333	<0.0323	<0.032	<0.032	<0.032
Delta-BHC	319-86-8	ug/L	3/30/2020	<0.0356	<0.034	<0.0333	<0.0333	0.022J	<0.0333	<0.033	0.00456J	0.00381J
Di-n-butyl phthalate	84-74-2	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Di-n-butyl phthalate	84-74-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Di-n-butyl phthalate	84-74-2	ug/L	10/5/2015	<10	<10.4	1.41J	<10.3	<10.5	3.87J	<10	<10	<10
Di-n-butyl phthalate	84-74-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Di-n-butyl phthalate	84-74-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Di-n-butyl phthalate	84-74-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Di-n-butyl phthalate	84-74-2	ug/L	5/8/2025	<10.0	<10.9							
Di-n-octyl phthalate	117-84-0	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Di-n-octyl phthalate	117-84-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Di-n-octyl phthalate	117-84-0	ug/L	10/5/2015	<20	<20.8	<20	<20.6	<21.1	<20.4	<20	1.91J	<20
Di-n-octyl phthalate	117-84-0	ug/L	3/30/2020	<23	<23.5	<20.2	<20.6	<20.8	<20.4	<20.2	<21.3	<20.2
Di-n-octyl phthalate	117-84-0	ug/L	4/28/2025			<20.4				<21.3	<20.8	<21.3
Di-n-octyl phthalate	117-84-0	ug/L	4/29/2025				<20.0	<20.0	<20.0			
Di-n-octyl phthalate	117-84-0	ug/L	5/8/2025	<20.0	<21.7							
Diallate	2303-16-4	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Diallate	2303-16-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Diallate	2303-16-4	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Diallate	2303-16-4	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Diallate	2303-16-4	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Diallate	2303-16-4	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Diallate	2303-16-4	ug/L	5/8/2025	<10.0	<10.9							
Dibenz [a,h] anthracene	53-70-3	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Dibenz [a,h] anthracene	53-70-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dibenz [a,h] anthracene	53-70-3	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Dibenz [a,h] anthracene	53-70-3	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Dibenzo(a,h)anthracene	53-70-3	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Dibenzo(a,h)anthracene	53-70-3	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Dibenzo(a,h)anthracene	53-70-3	ug/L	5/8/2025	<10.0	<10.9							
Dibenzofuran	132-64-9	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Dibenzofuran	132-64-9	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzofuran	132-64-9	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Dibenzofuran	132-64-9	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Dibenzofuran	132-64-9	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Dibenzofuran	132-64-9	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Dibenzofuran	132-64-9	ug/L	5/8/2025	<10.0	<10.9							
Dibromomethane	74-95-3	ug/L	2/27/2008	<1	<1	<1	<1	<1				
Dibromomethane	74-95-3	ug/L	5/12/2008	<1	<1	<1	<1	<1				
Dibromomethane	74-95-3	ug/L	7/13/2008	<1	<1	<1	<1	<1				
Dibromomethane	74-95-3	ug/L	9/14/2008	<1	<1	<1	<1	<1				
Dibromomethane	74-95-3	ug/L	11/17/2008	<1	<1	<1	<1	<1				
Dibromomethane	74-95-3	ug/L	4/14/2009	<1	<1	<1	<1	<1				
Dibromomethane	74-95-3	ug/L	7/7/2009						<1	<1	<20	<1
Dibromomethane	74-95-3	ug/L	9/2/2009						<1	<1	<10	<1
Dibromomethane	74-95-3	ug/L	10/25/2009	<2	<1	<2	<2	<2	<2	<2	<20	<1
Dibromomethane	74-95-3	ug/L	1/2/2010						<1	<1	<10	<1
Dibromomethane	74-95-3	ug/L	3/3/2010						<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
Dibromomethane	74-95-3	ug/L	11/1/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
Dibromomethane	74-95-3	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	<5	<1
Dibromomethane	74-95-3	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Dibromomethane	74-95-3	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Dibromomethane	74-95-3	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1.8	<1
Dibromomethane	74-95-3	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
Dibromomethane	74-95-3	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<10	<1
Dibromomethane	74-95-3	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/23/2018					<1	<1			
Dibromomethane	74-95-3	ug/L	4/24/2018				<1			<1		
Dibromomethane	74-95-3	ug/L	4/25/2018			<1					<1	<1
Dibromomethane	74-95-3	ug/L	4/27/2018	<1	<1							

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Dibromomethane	74-95-3	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<10	<1
Dibromomethane	74-95-3	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
Dibromomethane	74-95-3	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	74-95-3	ug/L	10/9/2024			<1.00				<1.00	<1.00	
Dibromomethane	74-95-3	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
Dibromomethane	74-95-3	ug/L	10/14/2024	<1.00	<1.00							
Dibromomethane	74-95-3	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
Dibromomethane	74-95-3	ug/L	4/29/2025				<1.00	<1.00	<1.00			
Dibromomethane	74-95-3	ug/L	5/8/2025	<1.00	<1.00							
Dichlorodifluoromethane	75-71-8	ug/L	4/14/2009	<3	<3	<3	<3	32				
Dichlorodifluoromethane	75-71-8	ug/L	7/7/2009					24.7				
Dichlorodifluoromethane	75-71-8	ug/L	9/2/2009					35.4				
Dichlorodifluoromethane	75-71-8	ug/L	1/2/2010					35.2				
Dichlorodifluoromethane	75-71-8	ug/L	5/10/2010	<4	<3	<3	<3	20.6	39.8	<3	<15	<3
Dichlorodifluoromethane	75-71-8	ug/L	7/8/2010						17.2			
Dichlorodifluoromethane	75-71-8	ug/L	9/13/2010						32.7			
Dichlorodifluoromethane	75-71-8	ug/L	11/1/2010					22.4	31.1			
Dichlorodifluoromethane	75-71-8	ug/L	1/10/2011						23.7			
Dichlorodifluoromethane	75-71-8	ug/L	4/4/2011					24.5	20.6			
Dichlorodifluoromethane	75-71-8	ug/L	10/13/2011					47.3	32.2			
Dichlorodifluoromethane	75-71-8	ug/L	4/11/2012					23.9	28.2			
Dichlorodifluoromethane	75-71-8	ug/L	10/11/2012					45.8	26.4			
Dichlorodifluoromethane	75-71-8	ug/L	3/30/2013						22.6			
Dichlorodifluoromethane	75-71-8	ug/L	10/7/2013					43.5; 42.6	26.6			
Dichlorodifluoromethane	75-71-8	ug/L	6/2/2014					49	32.8			
Dichlorodifluoromethane	75-71-8	ug/L	10/15/2014					28.9	30			
Dichlorodifluoromethane	75-71-8	ug/L	4/6/2015					31.6	31.5			
Dichlorodifluoromethane	75-71-8	ug/L	10/5/2015	<3	<3	<3	<3	38.9	20.2	<3	<3	<3
Dichlorodifluoromethane	75-71-8	ug/L	4/4/2016					24.5	17.6			
Dichlorodifluoromethane	75-71-8	ug/L	10/17/2016					13	25.7			
Dichlorodifluoromethane	75-71-8	ug/L	4/17/2017					36	23.6			
Dichlorodifluoromethane	75-71-8	ug/L	10/11/2017					38.7	17			
Dichlorodifluoromethane	75-71-8	ug/L	4/23/2018					24.5	12.9			
Dichlorodifluoromethane	75-71-8	ug/L	10/16/2018					25.3	13.7			
Dichlorodifluoromethane	75-71-8	ug/L	4/16/2019					17.9	10.1			
Dichlorodifluoromethane	75-71-8	ug/L	10/1/2019					<3	18.7			
Dichlorodifluoromethane	75-71-8	ug/L	3/30/2020	<3	<3	<3	0.3J	10.4	12.6	<3	<15	<3
Dichlorodifluoromethane	75-71-8	ug/L	10/7/2020					7.16	10.2			
Dichlorodifluoromethane	75-71-8	ug/L	4/13/2021					4.5	8			
Dichlorodifluoromethane	75-71-8	ug/L	5/2/2022					4.1	11.4			
Dichlorodifluoromethane	75-71-8	ug/L	10/14/2022					2.2	5.2			
Dichlorodifluoromethane	75-71-8	ug/L	5/1/2023					3.19	7.66			
Dichlorodifluoromethane	75-71-8	ug/L	10/16/2023					2.8J	6.54			
Dichlorodifluoromethane	75-71-8	ug/L	4/29/2024					1.84J	<3			
Dichlorodifluoromethane	75-71-8	ug/L	10/10/2024					1.86J	2.88J			
Dichlorodifluoromethane	75-71-8	ug/L	4/28/2025			<3.00				<3.00	<3.00	<3.00
Dichlorodifluoromethane	75-71-8	ug/L	4/29/2025				<3.00	1.83	0.963			
Dichlorodifluoromethane	75-71-8	ug/L	5/8/2025	<3.00	<3.00							
Dieldrin	60-57-1	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
Dieldrin	60-57-1	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
Dieldrin	60-57-1	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	<0.0323	<0.0333	0.0034J	<0.032	0.00456J	0.00351J
Dieldrin	60-57-1	ug/L	3/30/2020	0.00317J	0.00319J	<0.0333	<0.0333	0.00267J	<0.0333	<0.033	0.00947J	<0.0333
Dieldrin	60-57-1	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
Dieldrin	60-57-1	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

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Dieldrin	60-57-1	ug/L	5/8/2025	<0.0911	<0.0902							
Diethyl phthalate	84-66-2	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Diethyl phthalate	84-66-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Diethyl phthalate	84-66-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Diethyl phthalate	84-66-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Diethyl phthalate	84-66-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Diethyl phthalate	84-66-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Diethyl phthalate	84-66-2	ug/L	5/8/2025	<10.0	<10.9							
Dimethoate	60-51-5	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Dimethoate	60-51-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dimethoate	60-51-5	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Dimethoate	60-51-5	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Dimethoate	60-51-5	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Dimethoate	60-51-5	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Dimethoate	60-51-5	ug/L	5/8/2025	<10.0	<10.9							
Dimethyl phthalate	131-11-3	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Dimethyl phthalate	131-11-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dimethyl phthalate	131-11-3	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Dimethyl phthalate	131-11-3	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Dimethyl phthalate	131-11-3	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Dimethyl phthalate	131-11-3	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Dimethyl phthalate	131-11-3	ug/L	5/8/2025	<10.0	<10.9							
Dimethylaminoazobenzene	60-11-7	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Dimethylaminoazobenzene	60-11-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dimethylaminoazobenzene	60-11-7	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Dimethylaminoazobenzene	60-11-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Dinoseb	88-85-7	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Dinoseb	88-85-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dinoseb	88-85-7	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Dinoseb	88-85-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Dinoseb	88-85-7	ug/L	10/14/2022								<0.5	
Dinoseb	88-85-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Dinoseb	88-85-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Dinoseb	88-85-7	ug/L	5/8/2025	<10.0	<10.9							
Diphenylamine	122-39-4	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Diphenylamine	122-39-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Diphenylamine	122-39-4	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Diphenylamine	122-39-4	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Diphenylamine	122-39-4	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Diphenylamine	122-39-4	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Diphenylamine	122-39-4	ug/L	5/8/2025	<10.0	<10.9							
Disulfoton	298-04-4	ug/L	4/14/2009	<70	<70	<70	<350	<70				
Disulfoton	298-04-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Disulfoton	298-04-4	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Disulfoton	298-04-4	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Disulfoton	298-04-4	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Disulfoton	298-04-4	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Disulfoton	298-04-4	ug/L	5/8/2025	<10.0	<10.9							
Endosulfan I	959-98-8	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
Endosulfan I	959-98-8	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
Endosulfan I	959-98-8	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	<0.0323	<0.0333	<0.0323	<0.032	<0.032	<0.032
Endosulfan I	959-98-8	ug/L	3/30/2020	<0.0356	<0.034	<0.0333	<0.0333	0.00475J	<0.0333	<0.033	<0.0333	<0.0333
Endosulfan I	959-98-8	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
Endosulfan I	959-98-8	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
Endosulfan I	959-98-8	ug/L	5/8/2025	<0.0911	<0.0902							
Endosulfan II	33213-65-9	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
Endosulfan II	33213-65-9	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
Endosulfan II	33213-65-9	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	<0.0323	0.00473J	<0.0323	<0.032	<0.032	<0.032
Endosulfan II	33213-65-9	ug/L	3/30/2020	<0.0356	<0.034	<0.0333	<0.0333	<0.0333	<0.0333	<0.033	<0.0333	<0.0333
Endosulfan II	33213-65-9	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
Endosulfan II	33213-65-9	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
Endosulfan II	33213-65-9	ug/L	5/8/2025	<0.0911	<0.0902							
Endosulfan sulfate	1031-07-8	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Endosulfan sulfate	1031-07-8	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
Endosulfan sulfate	1031-07-8	ug/L	10/5/2015	<0.034	0.00505J	<0.0327	<0.0323	0.00502J	0.00336J	<0.032	0.0139J	0.00528J
Endosulfan sulfate	1031-07-8	ug/L	3/30/2020	<0.0356	0.00429J	<0.0333	<0.0333	0.00553J	<0.0333	<0.033	0.0041J	<0.0333
Endosulfan sulfate	1031-07-8	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
Endosulfan sulfate	1031-07-8	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
Endosulfan sulfate	1031-07-8	ug/L	5/8/2025	<0.0911	<0.0902							
Endrin	72-20-8	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
Endrin	72-20-8	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
Endrin	72-20-8	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	<0.0323	0.00207J	0.00437J	<0.032	0.00201J	<0.032
Endrin	72-20-8	ug/L	3/30/2020	<0.0356	<0.034	<0.0333	<0.0333	0.00242J	<0.0333	<0.033	<0.0333	<0.0333
Endrin	72-20-8	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
Endrin	72-20-8	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
Endrin	72-20-8	ug/L	5/8/2025	<0.0911	<0.0902							
Endrin aldehyde	7421-93-4	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
Endrin aldehyde	7421-93-4	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
Endrin aldehyde	7421-93-4	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	<0.0323	<0.0333	<0.0323	0.00864J	0.012J	<0.032
Endrin aldehyde	7421-93-4	ug/L	3/30/2020	<0.0356	<0.034	<0.0333	<0.0333	<0.0333	<0.0333	<0.033	<0.0333	<0.0333
Endrin aldehyde	7421-93-4	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
Endrin aldehyde	7421-93-4	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
Endrin aldehyde	7421-93-4	ug/L	5/8/2025	<0.0911	<0.0902							
Ethyl Methacrylate	97-63-2	ug/L	4/14/2009	<2	<2	<2	<2	<2				
Ethyl Methacrylate	97-63-2	ug/L	5/10/2010	<4	<20	<20	<20	<20	<20	<20	<100	<20
Ethyl Methacrylate	97-63-2	ug/L	10/5/2015	<2	<2	<2	<2	<2	<2	<2	<2	<2
Ethyl Methacrylate	97-63-2	ug/L	3/30/2020	<2	<2	<2	<2	<2	<2	<2	<10	<2
Ethyl Methanesulfonate	62-50-0	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Ethyl Methanesulfonate	62-50-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ethyl Methanesulfonate	62-50-0	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Ethyl Methanesulfonate	62-50-0	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Ethyl Parathion	56-38-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Ethyl Parathion	56-38-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Ethyl Parathion	56-38-2	ug/L	5/8/2025	<10.0	<10.9							
Ethyl methacrylate	97-63-2	ug/L	4/28/2025			<2.00				<2.00	<2.00	<2.00
Ethyl methacrylate	97-63-2	ug/L	4/29/2025				<2.00	<2.00	<2.00			
Ethyl methacrylate	97-63-2	ug/L	5/8/2025	<2.00	<2.00							
Ethyl methanesulfonate	62-50-0	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Ethyl methanesulfonate	62-50-0	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Ethyl methanesulfonate	62-50-0	ug/L	5/8/2025	<10.0	<10.9							
Ethylbenzene	100-41-4	ug/L	2/27/2008	<1	<1	<1	<1	<1				
Ethylbenzene	100-41-4	ug/L	5/12/2008	<1	<1	<1	<1	<1				
Ethylbenzene	100-41-4	ug/L	7/13/2008	<1	<1	<1	<1	<1				
Ethylbenzene	100-41-4	ug/L	9/14/2008	<1	<1	<1	<1	<1				
Ethylbenzene	100-41-4	ug/L	11/17/2008	<1	<1	<1	<1	<1				
Ethylbenzene	100-41-4	ug/L	4/14/2009	<1	<1	<1	<1	<1				
Ethylbenzene	100-41-4	ug/L	7/7/2009						<1	<1	<20	<1
Ethylbenzene	100-41-4	ug/L	9/2/2009						<1	<1	<10	<1
Ethylbenzene	100-41-4	ug/L	10/25/2009	<2	<1	<2	<2	<2	<2	<2	<20	<1
Ethylbenzene	100-41-4	ug/L	1/2/2010						<1	<1	<10	<1
Ethylbenzene	100-41-4	ug/L	3/3/2010						<1	<1	5.6	<1
Ethylbenzene	100-41-4	ug/L	5/10/2010	<2	<1	<1	<1	<1	<1	<1	5.2	<1
Ethylbenzene	100-41-4	ug/L	7/8/2010								7.08	
Ethylbenzene	100-41-4	ug/L	9/13/2010								5.78	
Ethylbenzene	100-41-4	ug/L	11/1/2010	<1	<1	<1	<1	<1	<1	<1	7.8	<1
Ethylbenzene	100-41-4	ug/L	1/10/2011								<5	
Ethylbenzene	100-41-4	ug/L	4/4/2011								6.55	
Ethylbenzene	100-41-4	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	6.75	<1
Ethylbenzene	100-41-4	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Ethylbenzene	100-41-4	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Ethylbenzene	100-41-4	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<2.1	<1
Ethylbenzene	100-41-4	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
Ethylbenzene	100-41-4	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	0.656J	<1
Ethylbenzene	100-41-4	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<10	<1
Ethylbenzene	100-41-4	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	0.423J	<1
Ethylbenzene	100-41-4	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	0.726J	<1

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Ethylbenzene	100-41-4	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	0.21J	<1
Ethylbenzene	100-41-4	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	0.216J	<1
Ethylbenzene	100-41-4	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/23/2018					<1	<1			
Ethylbenzene	100-41-4	ug/L	4/24/2018				<1			<1		
Ethylbenzene	100-41-4	ug/L	4/25/2018			<1					<1	<1
Ethylbenzene	100-41-4	ug/L	4/27/2018	<1	<1							
Ethylbenzene	100-41-4	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<10	<1
Ethylbenzene	100-41-4	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
Ethylbenzene	100-41-4	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/9/2024			<1.00				<1.00	<1.00	
Ethylbenzene	100-41-4	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
Ethylbenzene	100-41-4	ug/L	10/14/2024	<1.00	<1.00							
Ethylbenzene	100-41-4	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
Ethylbenzene	100-41-4	ug/L	4/29/2025				<1.00	<1.00	<1.00			
Ethylbenzene	100-41-4	ug/L	5/8/2025	<1.00	<1.00							
Famphur	52-85-7	ug/L	4/14/2009	<20	<20	<20	<100	<20				
Famphur	52-85-7	ug/L	5/10/2010	<20	<20	<20	<20	<20	<20	<20	<20	<20
Famphur	52-85-7	ug/L	10/5/2015	<20	<20.8	<20	<20.6	<21.1	<20.4	<20	<20	<20
Famphur	52-85-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Famphur	52-85-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Famphur	52-85-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Famphur	52-85-7	ug/L	5/8/2025	<10.0	<10.9							
Fluoranthene	206-44-0	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Fluoranthene	206-44-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Fluoranthene	206-44-0	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Fluoranthene	206-44-0	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Fluoranthene	206-44-0	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Fluoranthene	206-44-0	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Fluoranthene	206-44-0	ug/L	5/8/2025	<10.0	<10.9							
Fluorene	86-73-7	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Fluorene	86-73-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Fluorene	86-73-7	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Fluorene	86-73-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Fluorene	86-73-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Fluorene	86-73-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Fluorene	86-73-7	ug/L	5/8/2025	<10.0	<10.9							
Gamma-BHC [Lindane]	58-89-9	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
Gamma-BHC [Lindane]	58-89-9	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
Gamma-BHC [Lindane]	58-89-9	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	<0.0323	<0.0333	<0.0323	<0.032	0.00361J	0.00235J
Gamma-BHC [Lindane]	58-89-9	ug/L	3/30/2020	0.00308J	<0.034	0.00412J	<0.0333	0.00501J	0.00437J	<0.033	<0.0333	<0.0333
Gamma-Chlordane	5566-34-7	ug/L	5/10/2010				<0.032		<0.032			
Heptachlor	76-44-8	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
Heptachlor	76-44-8	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
Heptachlor	76-44-8	ug/L	10/5/2015	<0.034	0.00359J	<0.0327	<0.0323	<0.0333	<0.0323	<0.032	<0.032	<0.032
Heptachlor	76-44-8	ug/L	3/30/2020	<0.0356	<0.034	<0.0333	<0.0333	<0.0333	<0.0333	<0.033	0.00478J	<0.0333
Heptachlor	76-44-8	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
Heptachlor	76-44-8	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
Heptachlor	76-44-8	ug/L	5/8/2025	<0.0911	<0.0902							
Heptachlor Epoxide	1024-57-3	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
Heptachlor Epoxide	1024-57-3	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
Heptachlor Epoxide	1024-57-3	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	<0.0323	<0.0333	<0.0323	<0.032	<0.032	<0.032
Heptachlor Epoxide	1024-57-3	ug/L	3/30/2020	<0.0356	<0.034	<0.0333	<0.0333	<0.0333	<0.0333	<0.033	<0.0333	<0.0333

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Heptachlor epoxide	1024-57-3	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
Heptachlor epoxide	1024-57-3	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
Heptachlor epoxide	1024-57-3	ug/L	5/8/2025	<0.0911	<0.0902							
Hexachlorobenzene	118-74-1	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Hexachlorobenzene	118-74-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobenzene	118-74-1	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Hexachlorobenzene	118-74-1	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Hexachlorobenzene	118-74-1	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Hexachlorobenzene	118-74-1	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Hexachlorobenzene	118-74-1	ug/L	5/8/2025	<10.0	<10.9							
Hexachlorobutadiene	87-68-3	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Hexachlorobutadiene	87-68-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobutadiene	87-68-3	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Hexachlorobutadiene	87-68-3	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Hexachlorobutadiene	87-68-3	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Hexachlorobutadiene	87-68-3	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Hexachlorobutadiene	87-68-3	ug/L	5/8/2025	<10.0	<10.9							
Hexachlorocyclopentadiene	77-47-4	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Hexachlorocyclopentadiene	77-47-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorocyclopentadiene	77-47-4	ug/L	10/5/2015	<20	<20.8	<20	<20.6	<21.1	<20.4	<20	<20	<20
Hexachlorocyclopentadiene	77-47-4	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Hexachlorocyclopentadiene	77-47-4	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Hexachlorocyclopentadiene	77-47-4	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Hexachlorocyclopentadiene	77-47-4	ug/L	5/8/2025	<10.0	<10.9							
Hexachloroethane	67-72-1	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Hexachloroethane	67-72-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachloroethane	67-72-1	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Hexachloroethane	67-72-1	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Hexachloroethane	67-72-1	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Hexachloroethane	67-72-1	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Hexachloroethane	67-72-1	ug/L	5/8/2025	<10.0	<10.9							
Hexachloropropene	1888-71-7	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Hexachloropropene	1888-71-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Hexachloropropene	1888-71-7	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Hexachloropropene	1888-71-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Hexachloropropene	1888-71-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Hexachloropropene	1888-71-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Hexachloropropene	1888-71-7	ug/L	5/8/2025	<10.0	<10.9							
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Indeno[1,2,3-cd]pyrene	193-39-5	ug/L	5/8/2025	<10.0	<10.9							
Iodomethane	74-88-4	ug/L	2/27/2008	<10	<10	<10	<10	<10				
Iodomethane	74-88-4	ug/L	5/12/2008	<10	<10	<10	<10	<10				
Iodomethane	74-88-4	ug/L	7/13/2008	<10	<10	<10	<10	<10				
Iodomethane	74-88-4	ug/L	9/14/2008	<10	<10	<10	<10	<10				
Iodomethane	74-88-4	ug/L	11/17/2008	<10	<10	<10	<10	<10				
Iodomethane	74-88-4	ug/L	4/14/2009	<10	<10	<10	<10	<10				
Iodomethane	74-88-4	ug/L	7/7/2009						<20	<10	<200	<10
Iodomethane	74-88-4	ug/L	9/2/2009						<10	<10	<100	<10
Iodomethane	74-88-4	ug/L	10/25/2009	<10	<50	<10	<10	<10	<10	<10	<100	<20
Iodomethane	74-88-4	ug/L	1/2/2010						<10	<10	<100	<20
Iodomethane	74-88-4	ug/L	3/3/2010						<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
Iodomethane	74-88-4	ug/L	11/1/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
Iodomethane	74-88-4	ug/L	10/13/2011	<10	<10	<10	<10	<10	<10	<10	<50	<10
Iodomethane	74-88-4	ug/L	4/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
Iodomethane	74-88-4	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
Iodomethane	74-88-4	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/7/2013		<10	<10	<10	<10	<10	<10		<10

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Iodomethane	74-88-4	ug/L	6/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<100	<10
Iodomethane	74-88-4	ug/L	4/6/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/5/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/4/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/17/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/17/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/11/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/23/2018					<10	<10			
Iodomethane	74-88-4	ug/L	4/24/2018				<10			<10		
Iodomethane	74-88-4	ug/L	4/25/2018			<10					<10	<10
Iodomethane	74-88-4	ug/L	4/27/2018	<10	<10							
Iodomethane	74-88-4	ug/L	10/16/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/16/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<100	<10
Iodomethane	74-88-4	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<50	<10
Iodomethane	74-88-4	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane	74-88-4	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane	74-88-4	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane	74-88-4	ug/L	10/14/2022	<1	<1							<1
Iodomethane	74-88-4	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/16/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	4/29/2024	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/9/2024			<10.0				<10.0	<10.0	
Iodomethane	74-88-4	ug/L	10/10/2024				<10.0	<10.0	<10.0			<10.0
Iodomethane	74-88-4	ug/L	10/14/2024	<10.0	<10.0							
Iodomethane	74-88-4	ug/L	4/28/2025			<10.0				<10.0	<10.0	<10.0
Iodomethane	74-88-4	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Iodomethane	74-88-4	ug/L	5/8/2025	<10.0	<10.0							
Iron	7439-89-6	mg/L	4/28/2025			28.2				136	60.1	12.2
Iron	7439-89-6	mg/L	4/29/2025				20.7	<0.100	<0.100			
Iron	7439-89-6	mg/L	5/8/2025	12.8	2.79							
Iron, Total	7439-89-6	mg/L	4/6/2015	25.3	12.4	63.3	35.1	<0.1	<0.1	27.2	56.6	82.4
Iron, Total	7439-89-6	mg/L	10/5/2015	22.5	26.6	61.2	36.7	<0.1	0.221	28.6	60.1	63.6
Iron, Total	7439-89-6	mg/L	4/4/2016	24.8	16.8	64.2	36.2	<0.1	0.0767J	23.9	57.6	75.1
Iron, Total	7439-89-6	mg/L	10/17/2016	23.2	23.1	61.3	36.1	<0.1	<0.1	25.8	50.8	68.8
Iron, Total	7439-89-6	mg/L	10/20/2021	31.9	3.54	35.5	34	0.072J	<0.1	31.1	54.7	46.5
Iron, Total	7439-89-6	mg/L	5/2/2022	29	25.7	40.8	20.4	<0.1	<0.1	30.8	56.1	20.1
Iron, Total	7439-89-6	mg/L	5/1/2023	39.5	20.9	39.6	18.2	0.0426J	<0.1	32.5	51.6	27.4
Iron, Total	7439-89-6	mg/L	4/29/2024	62.5	0.916	25.6	18.3	<0.1	0.0571J	27.4	60.3	5.92
Isobutanol	78-83-1	mg/L	4/14/2009	<10	<10	<10	<10	<10				
Isobutanol	78-83-1	mg/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Isobutanol	78-83-1	mg/L	10/5/2015	<10	<10	<10	13.1	<10	<10	<10	<10	<10
Isobutanol	78-83-1	mg/L	4/4/2016				<10					
Isobutanol	78-83-1	mg/L	10/11/2016				<10					
Isobutanol	78-83-1	mg/L	10/17/2016				<20					
Isobutanol	78-83-1	mg/L	11/14/2016				<10					
Isobutanol	78-83-1	mg/L	4/17/2017				<10					
Isobutanol	78-83-1	mg/L	10/11/2017				<10					
Isobutanol	78-83-1	mg/L	4/24/2018				<10					
Isobutanol	78-83-1	mg/L	10/16/2018				<10					
Isobutanol	78-83-1	mg/L	4/16/2019				<10					
Isobutanol	78-83-1	mg/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	0.844J	<10
Isobutanol	78-83-1	mg/L	4/28/2025			<10.0				<10.0	<10.0	<10.0
Isobutanol	78-83-1	mg/L	4/29/2025				<10.0	<10.0	<10.0			
Isobutanol	78-83-1	mg/L	5/8/2025	<10.0	<10.0							
Isodrin	465-73-6	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Isodrin	465-73-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Isodrin	465-73-6	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Isodrin	465-73-6	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Isodrin	465-73-6	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Isodrin	465-73-6	ug/L	4/29/2025				<10.0	<10.0	<10.0			

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Isodrin	465-73-6	ug/L	5/8/2025	<10.0	<10.9							
Isophorone	78-59-1	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Isophorone	78-59-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Isophorone	78-59-1	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Isophorone	78-59-1	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Isophorone	78-59-1	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Isophorone	78-59-1	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Isophorone	78-59-1	ug/L	5/8/2025	<10.0	<10.9							
Isosafrole	120-58-1	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Isosafrole	120-58-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Isosafrole	120-58-1	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Isosafrole	120-58-1	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Isosafrole	120-58-1	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Isosafrole	120-58-1	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Isosafrole	120-58-1	ug/L	5/8/2025	<10.0	<10.9							
Kepone	143-50-0	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Kepone	143-50-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Kepone	143-50-0	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Kepone	143-50-0	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Kepone	143-50-0	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Kepone	143-50-0	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Kepone	143-50-0	ug/L	5/8/2025	<10.0	<10.9							
Lead	7439-92-1	mg/L	2/27/2008	0.07	<0.005	0.01	0.011	<0.005				
Lead	7439-92-1	mg/L	5/12/2008	0.039	0.018	<0.005	<0.005	<0.005				
Lead	7439-92-1	mg/L	7/13/2008	0.03	0.013	<0.005	<0.005	<0.005				
Lead	7439-92-1	mg/L	9/14/2008	0.013	<0.005	<0.005	0.023	<0.005				
Lead	7439-92-1	mg/L	11/17/2008	0.00903	<0.004	<0.004	0.00679	<0.004				
Lead	7439-92-1	mg/L	4/14/2009	<0.005	<0.005	<0.005	0.0093	<0.005				
Lead	7439-92-1	mg/L	7/7/2009				0.006		<0.005	<0.005	<0.005	<0.005
Lead	7439-92-1	mg/L	9/2/2009				<0.005		<0.005; <0.004	<0.004; <0.005	<0.005; <0.004	0.0052
Lead	7439-92-1	mg/L	10/25/2009	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.015	<0.005
Lead	7439-92-1	mg/L	1/2/2010				<0.005		<0.005	<0.005	<0.005	<0.005
Lead	7439-92-1	mg/L	3/3/2010						<0.005	<0.005	<0.005	<0.005
Lead	7439-92-1	mg/L	5/10/2010	0.0037	<0.002	<0.004	0.0024	<0.002	0.0038	<0.002	<0.004	<0.002
Lead	7439-92-1	mg/L	7/8/2010						<0.005			
Lead	7439-92-1	mg/L	9/13/2010						0.011			
Lead	7439-92-1	mg/L	11/1/2010						<0.005	0.0078	<0.005	<0.005
Lead	7439-92-1	mg/L	1/10/2011						<0.004			
Lead	7439-92-1	mg/L	4/4/2011						<0.005	<0.005	<0.005	<0.005
Lead	7439-92-1	mg/L	10/13/2011	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.0349
Lead	7439-92-1	mg/L	4/11/2012	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	10/11/2012	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.0131
Lead	7439-92-1	mg/L	3/30/2013	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.0109
Lead	7439-92-1	mg/L	10/7/2013	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	6/2/2014	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.00118J
Lead	7439-92-1	mg/L	10/15/2014	<0.004	<0.004	<0.004	<0.004	<0.004	0.00769	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	4/6/2015	<0.0005	<0.0005	<0.0005	0.000585	0.000106J	<0.0005	<0.0005	0.00025J	0.000238J
Lead	7439-92-1	mg/L	10/5/2015	<0.0005	<0.0005	<0.0005	<0.0005	0.000147J	0.00019J	<0.0005	0.000188J	0.000164J
Lead	7439-92-1	mg/L	4/4/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000238J
Lead	7439-92-1	mg/L	10/17/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000394J
Lead	7439-92-1	mg/L	4/17/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/11/2017	<0.0005	<0.0005	0.000476J	0.00188	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	4/23/2018					<0.0005	<0.0005			
Lead	7439-92-1	mg/L	4/24/2018				<0.0005			<0.0005		
Lead	7439-92-1	mg/L	4/25/2018			<0.0005					0.000257J	0.000278J
Lead	7439-92-1	mg/L	4/27/2018	0.000477J	<0.0005							
Lead	7439-92-1	mg/L	10/16/2018	0.000292J	<0.0005	<0.0005	0.000545	<0.0005	<0.0005	<0.0005	0.000553	0.00181
Lead	7439-92-1	mg/L	4/16/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/1/2019	<0.0005; 0.00161	0.00104	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000584
Lead	7439-92-1	mg/L	3/30/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000726
Lead	7439-92-1	mg/L	10/7/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	4/13/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	10/20/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.001J	<0.004

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Lead	7439-92-1	mg/L	5/2/2022	<0.004	<0.004	<0.004	0.0011J	<0.004	<0.004	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	10/14/2022	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Lead	7439-92-1	mg/L	5/1/2023	<0.0005	<0.0005	0.000245J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/16/2023	0.000429J	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000644
Lead	7439-92-1	mg/L	4/29/2024	<0.0005	<0.0005	0.000706	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000605
Lead	7439-92-1	mg/L	10/9/2024			0.000316J				<0.000500	<0.000500	
Lead	7439-92-1	mg/L	10/10/2024				<0.000500	<0.000500	<0.000500			<0.000500
Lead	7439-92-1	mg/L	10/14/2024	<0.000500	<0.000500							
Lead	7439-92-1	mg/L	4/28/2025			<0.000500				<0.00250	<0.000500	<0.000500
Lead	7439-92-1	mg/L	4/29/2025				<0.000500	<0.000500	<0.000500			
Lead	7439-92-1	mg/L	5/8/2025	<0.000500	<0.000500							
Magnesium	7439-95-4	mg/L	6/2/2014	66.6; 67.9	54.4	126	86.2		72.5	46	131	61.2
Magnesium	7439-95-4	mg/L	10/15/2014	66.7	50	124	87.1	76.7	72	57.7	101	61.2
Magnesium	7439-95-4	mg/L	3/30/2020				80.3					
Manganese	7439-96-5	mg/L	4/6/2015	4.44	10.5	20	1.66	0.406	<0.01	0.872	4.1	19
Manganese	7439-96-5	mg/L	10/5/2015	3.94	11.8	19.5	1.81	0.261	0.0153	1.04	4.66	19.3
Manganese	7439-96-5	mg/L	4/4/2016	4.31	8.36	21.2	1.64	0.474	0.00697J	0.931	4.77	15.2
Manganese	7439-96-5	mg/L	10/17/2016	4.13	8.5	19.7	1.43	0.163	0.00939J	1.1	3.87	17.6
Manganese	7439-96-5	mg/L	10/20/2021	4.02	5.27	12.1	2.03	0.513	0.008	1.34	4.41	10.7
Manganese	7439-96-5	mg/L	5/2/2022	3.89	10.5	13.7	0.929	0.185	<0.005	1.28	4.13	3.92
Manganese	7439-96-5	mg/L	5/1/2023	4.49	8.66	13.8	1.19	0.317	<0.01	1.41	4.58	4.96
Manganese	7439-96-5	mg/L	4/29/2024	4.46	7.61	13.1	1.08	0.14	<0.01	1.32	4.88	10.1
Manganese	7439-96-5	mg/L	4/28/2025			13.2				6.64	4.45	12.5
Manganese	7439-96-5	mg/L	4/29/2025				1.08	0.318	<0.0100			
Manganese	7439-96-5	mg/L	5/8/2025	4.43	7.40							
Mercury	7439-97-6	mg/L	4/14/2009	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002				
Mercury	7439-97-6	mg/L	5/10/2010	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mercury	7439-97-6	mg/L	10/5/2015	<0.0002	<0.0002	<0.0002	0.000109J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mercury	7439-97-6	mg/L	3/30/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mercury	7439-97-6	mg/L	4/28/2025			<0.000200				<0.000200	<0.000200	<0.000200
Mercury	7439-97-6	mg/L	4/29/2025				<0.000200	<0.000200	<0.000200			
Mercury	7439-97-6	mg/L	5/8/2025	<0.000200	<0.000200							
Methacrylonitrile	126-98-7	ug/L	4/14/2009	<1	<1	<1	<1	<1				
Methacrylonitrile	126-98-7	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
Methacrylonitrile	126-98-7	ug/L	10/5/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methacrylonitrile	126-98-7	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<50	<10
Methacrylonitrile	126-98-7	ug/L	4/28/2025			<10.0				<10.0	<10.0	<10.0
Methacrylonitrile	126-98-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Methacrylonitrile	126-98-7	ug/L	5/8/2025	<10.0	<10.0							
Methane, Dissolved	74-82-8	mg/L	4/6/2015	0.274	0.209	1.97	0.437	3.1	0.0039J	4.69	38.7	5.45
Methane, Dissolved	74-82-8	mg/L	10/5/2015	0.944	0.19	2.02	0.309	2.55	0.0744	2.67	6.96	3.07
Methane, Dissolved	74-82-8	mg/L	4/4/2016	0.293	0.306	0.00566	0.00468	3.31	0.00784	1.41	12.8	6.5
Methane, Dissolved	74-82-8	mg/L	10/17/2016	0.293	0.304	2.02	0.266	0.561	0.153	1.32	6.71	3.05
Methapyrilene	91-80-5	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Methapyrilene	91-80-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methapyrilene	91-80-5	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Methapyrilene	91-80-5	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Methapyrilene	91-80-5	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Methapyrilene	91-80-5	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Methapyrilene	91-80-5	ug/L	5/8/2025	<10.0	<10.9							
Methoxychlor	72-43-5	ug/L	4/14/2009	<0.032	<0.032	<0.032	<0.032	<0.032				
Methoxychlor	72-43-5	ug/L	5/10/2010	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032	<0.032
Methoxychlor	72-43-5	ug/L	10/5/2015	<0.034	<0.0333	<0.0327	<0.0323	<0.0333	0.00255J	<0.032	<0.032	<0.032
Methoxychlor	72-43-5	ug/L	3/30/2020	<0.0356	<0.034	<0.0333	<0.0333	<0.0333	<0.0333	<0.033	<0.0333	<0.0333
Methoxychlor	72-43-5	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
Methoxychlor	72-43-5	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
Methoxychlor	72-43-5	ug/L	5/8/2025	<0.0911	<0.0902							
Methyl Methacrylate	80-62-6	ug/L	4/14/2009	<2	<2	<2	<2	<2				
Methyl Methacrylate	80-62-6	ug/L	5/10/2010	<2	<5	<5	<5	<5	<5	<5	<25	<5
Methyl Methacrylate	80-62-6	ug/L	10/5/2015	<2	<2	<2	<2	<2	<2	<2	<2	<2
Methyl Methacrylate	80-62-6	ug/L	3/30/2020	<2	<2	<2	<2	<2	<2	<2	<10	<2
Methyl Methanesulfonate	66-27-3	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Methyl Methanesulfonate	66-27-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Methyl Methanesulfonate	66-27-3	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Methyl Methanesulfonate	66-27-3	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Methyl methacrylate	80-62-6	ug/L	4/28/2025			<2.00				<2.00	<2.00	<2.00
Methyl methacrylate	80-62-6	ug/L	4/29/2025				<2.00	<2.00	<2.00			
Methyl methacrylate	80-62-6	ug/L	5/8/2025	<2.00	<2.00							
Methyl methanesulfonate	66-27-3	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Methyl methanesulfonate	66-27-3	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Methyl methanesulfonate	66-27-3	ug/L	5/8/2025	<10.0	<10.9							
Methyl parathion	298-00-0	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Methyl parathion	298-00-0	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Methyl parathion	298-00-0	ug/L	5/8/2025	<10.0	<10.9							
Methylene Chloride	75-09-2	ug/L	2/27/2008	<5	<5	<5	<5	<5				
Methylene Chloride	75-09-2	ug/L	5/12/2008	<5	<5	<5	<5	<5				
Methylene Chloride	75-09-2	ug/L	7/13/2008	<5	<5	<5	<5	<5				
Methylene Chloride	75-09-2	ug/L	9/14/2008	<5	<5	<5	<5	<5				
Methylene Chloride	75-09-2	ug/L	11/17/2008	<5	<5	<5	<5	<5				
Methylene Chloride	75-09-2	ug/L	4/14/2009	<5	<5	<5	<5	<5				
Methylene Chloride	75-09-2	ug/L	7/7/2009						<5	<5	<100	<5
Methylene Chloride	75-09-2	ug/L	9/2/2009						<5	<5	<50	<5
Methylene Chloride	75-09-2	ug/L	10/25/2009	<5	<5	<5	<5	<5	<5	<5	<50	<5
Methylene Chloride	75-09-2	ug/L	1/2/2010						<5	<5	<50	<5
Methylene Chloride	75-09-2	ug/L	3/3/2010						<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	5/10/2010	<5	<5	<5	<5	<5	<5	<5	<25	<5
Methylene Chloride	75-09-2	ug/L	11/1/2010	<5	<5	<5	<5	<5	<5	<5	<25	<5
Methylene Chloride	75-09-2	ug/L	10/13/2011	<5	<5	<5	<5	<5	<5	<5	<25	<5
Methylene Chloride	75-09-2	ug/L	4/11/2012	<5	<5	<5	<5	<5	<5	<5	<50	<5
Methylene Chloride	75-09-2	ug/L	10/11/2012	<5	<5	<5	<5	<5	<5	<5	<50	<5
Methylene Chloride	75-09-2	ug/L	3/30/2013	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/7/2013		<5	<5	<5	<5	<5	<5		<5
Methylene Chloride	75-09-2	ug/L	6/2/2014	<5	<5	<5	<5	<5	<5	0.268J	<5	<5
Methylene Chloride	75-09-2	ug/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<50	<5
Methylene Chloride	75-09-2	ug/L	4/6/2015	<5	<5	<5	0.25J	0.478J	0.327J	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/5/2015	0.935J	0.265J	0.809J	0.974J	1.48J	0.362J	0.344J	0.5J	0.285J
Methylene Chloride	75-09-2	ug/L	4/4/2016	<5	<5	<5	0.302J	0.338J	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/17/2016	0.315J	0.435J	0.429J	0.847J	0.791J	0.556J	0.431J; 0.443J	0.572J	0.282J
Methylene Chloride	75-09-2	ug/L	4/17/2017	0.405J	0.491J	0.257J	0.754J	1.03J	0.745J	0.676J	<5	<5
Methylene Chloride	75-09-2	ug/L	10/11/2017	<5	<5	<5	<5	0.481J	<5	<5	0.204J	<5
Methylene Chloride	75-09-2	ug/L	4/23/2018					0.644J	0.343J			
Methylene Chloride	75-09-2	ug/L	4/24/2018				0.414J			0.518J		
Methylene Chloride	75-09-2	ug/L	4/25/2018			0.448J					0.451J	0.373J
Methylene Chloride	75-09-2	ug/L	4/27/2018	<5	<5							
Methylene Chloride	75-09-2	ug/L	10/16/2018	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	4/16/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<50	<5
Methylene Chloride	75-09-2	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<25	<5
Methylene Chloride	75-09-2	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/20/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	5/2/2022	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/14/2022	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/16/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	4/29/2024	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/9/2024			<5.00				<5.00	<5.00	
Methylene Chloride	75-09-2	ug/L	10/10/2024				<5.00	<5.00	<5.00			<5.00
Methylene Chloride	75-09-2	ug/L	10/14/2024	<5.00	<5.00							
Methylene Chloride	75-09-2	ug/L	4/28/2025			<5.00				<5.00	<5.00	<5.00
Methylene Chloride	75-09-2	ug/L	4/29/2025				<5.00	<5.00	<5.00			
Methylene Chloride	75-09-2	ug/L	5/8/2025	<5.00	<5.00							
Methylphenol, 3 & 4	106-44-5	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Methylphenol, 3 & 4	106-44-5	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Methylphenol, 3 & 4	106-44-5	ug/L	5/8/2025	<10.0	<10.9							
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/14/2009	<10	<10	<10	<50	<10				

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosodi-n-butylamine	924-16-3	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
N-Nitrosodi-n-butylamine	924-16-3	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
N-Nitrosodi-n-butylamine	924-16-3	ug/L	4/29/2025				<10.0	<10.0	<10.0			
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/8/2025	<10.0	<10.9							
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/14/2009	<10	<10	<10	<50	<10				
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosodi-n-propylamine	621-64-7	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
N-Nitrosodi-n-propylamine	621-64-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
N-Nitrosodi-n-propylamine	621-64-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/8/2025	<10.0	<10.9							
N-Nitrosodiethylamine	55-18-5	ug/L	4/14/2009	<10	<10	<10	<50	<10				
N-Nitrosodiethylamine	55-18-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosodiethylamine	55-18-5	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
N-Nitrosodiethylamine	55-18-5	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
N-Nitrosodiethylamine	55-18-5	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
N-Nitrosodiethylamine	55-18-5	ug/L	4/29/2025				<10.0	<10.0	<10.0			
N-Nitrosodiethylamine	55-18-5	ug/L	5/8/2025	<10.0	<10.9							
N-Nitrosodimethylamine	62-75-9	ug/L	4/14/2009	<10	<10	<10	<50	<10				
N-Nitrosodimethylamine	62-75-9	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosodimethylamine	62-75-9	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
N-Nitrosodimethylamine	62-75-9	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
N-Nitrosodimethylamine	62-75-9	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
N-Nitrosodimethylamine	62-75-9	ug/L	4/29/2025				<10.0	<10.0	<10.0			
N-Nitrosodimethylamine	62-75-9	ug/L	5/8/2025	<10.0	<10.9							
N-Nitrosodiphenylamine	86-30-6	ug/L	4/14/2009	<10	<10	<10	<50	<10				
N-Nitrosodiphenylamine	86-30-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosodiphenylamine	86-30-6	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
N-Nitrosodiphenylamine	86-30-6	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
N-Nitrosodiphenylamine	86-30-6	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
N-Nitrosodiphenylamine	86-30-6	ug/L	4/29/2025				<10.0	<10.0	<10.0			
N-Nitrosodiphenylamine	86-30-6	ug/L	5/8/2025	<10.0	<10.9							
N-Nitrosomethylethalamine	10595-95-6	ug/L	4/14/2009	<10	<10	<10	<50	<10				
N-Nitrosomethylethalamine	10595-95-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosomethylethalamine	10595-95-6	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
N-Nitrosomethylethalamine	10595-95-6	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
N-Nitrosomethylethylamine	10595-95-6	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
N-Nitrosomethylethylamine	10595-95-6	ug/L	4/29/2025				<10.0	<10.0	<10.0			
N-Nitrosomethylethylamine	10595-95-6	ug/L	5/8/2025	<10.0	<10.9							
N-Nitrosopiperidine	100-75-4	ug/L	4/14/2009	<10	<10	<10	<50	<10				
N-Nitrosopiperidine	100-75-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosopiperidine	100-75-4	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
N-Nitrosopiperidine	100-75-4	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
N-Nitrosopiperidine	100-75-4	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
N-Nitrosopiperidine	100-75-4	ug/L	4/29/2025				<10.0	<10.0	<10.0			
N-Nitrosopiperidine	100-75-4	ug/L	5/8/2025	<10.0	<10.9							
N-Nitrosopyrrolidine	930-55-2	ug/L	4/14/2009	<10	<10	<10	<50	<10				
N-Nitrosopyrrolidine	930-55-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
N-Nitrosopyrrolidine	930-55-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
N-Nitrosopyrrolidine	930-55-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
N-Nitrosopyrrolidine	930-55-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
N-Nitrosopyrrolidine	930-55-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
N-Nitrosopyrrolidine	930-55-2	ug/L	5/8/2025	<10.0	<10.9							
Naphthalene	91-20-3	ug/L	4/14/2009	<5	<5	<5	<5	<5				
Naphthalene	91-20-3	ug/L	5/10/2010	<5	<5	<5	<5	<5	<5	<5	<25	<5
Naphthalene	91-20-3	ug/L	10/7/2013						<5			
Naphthalene	91-20-3	ug/L	10/5/2015	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	91-20-3	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<25	<5
Naphthalene	91-20-3	ug/L	4/28/2025			<5.00				<5.00	<5.00	<5.00
Naphthalene	91-20-3	ug/L	4/29/2025				<5.00	<5.00	<5.00			
Naphthalene	91-20-3	ug/L	5/8/2025	<5.00	<5.00							

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Nickel	7440-02-0	mg/L	2/27/2008	0.064	0.027	0.042	0.033	<0.01				
Nickel	7440-02-0	mg/L	5/12/2008	0.052	0.064	0.038	0.025	<0.01				
Nickel	7440-02-0	mg/L	7/13/2008	0.038	0.042	0.031	0.021	<0.01				
Nickel	7440-02-0	mg/L	9/14/2008	0.017	0.024	0.034	<0.01	<0.01				
Nickel	7440-02-0	mg/L	11/17/2008	<0.05	<0.05	<0.05	<0.05	<0.05				
Nickel	7440-02-0	mg/L	4/14/2009	<0.01	0.021	0.033	0.031	0.03				
Nickel	7440-02-0	mg/L	7/7/2009		0.019	0.03; 0.028	0.023	<0.01	0.011; <0.01	0.012	0.156	0.015
Nickel	7440-02-0	mg/L	9/2/2009		0.015	0.031	0.023	<0.01	<0.01	0.011	0.148; 0.154	0.022
Nickel	7440-02-0	mg/L	10/25/2009	<0.01	0.015	0.034	0.027	<0.01	<0.01	0.012	0.13	0.019
Nickel	7440-02-0	mg/L	1/2/2010		0.019	0.036	0.028	<0.01	<0.01	0.016	0.17	0.018
Nickel	7440-02-0	mg/L	3/3/2010						<0.01	0.019	0.16; 0.15	0.012
Nickel	7440-02-0	mg/L	5/10/2010	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.13	<0.05
Nickel	7440-02-0	mg/L	7/8/2010								0.122	
Nickel	7440-02-0	mg/L	9/13/2010								0.129	
Nickel	7440-02-0	mg/L	11/1/2010						<0.01	<0.01	0.107	<0.01
Nickel	7440-02-0	mg/L	1/10/2011								0.122	
Nickel	7440-02-0	mg/L	4/4/2011						<0.01	<0.01	0.098	<0.01
Nickel	7440-02-0	mg/L	10/13/2011	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.09	0.195
Nickel	7440-02-0	mg/L	4/11/2012	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0826	0.117
Nickel	7440-02-0	mg/L	10/11/2012	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0805	0.0726
Nickel	7440-02-0	mg/L	3/30/2013	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0754	0.0622
Nickel	7440-02-0	mg/L	10/7/2013	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0821	0.0693
Nickel	7440-02-0	mg/L	6/2/2014	<0.05	0.0124J	0.0342J	0.0163J	<0.05	<0.05	<0.05	0.0825	0.0558
Nickel	7440-02-0	mg/L	10/15/2014	<0.05	0.0185J	0.0476J	0.0257J	0.0189J	0.0135J	0.0154J	0.0897	0.0414J
Nickel	7440-02-0	mg/L	4/6/2015	0.00223J	0.0139	0.0392; 0.0359	0.013	0.00793	0.00142J	0.0064	0.0707	0.00738
Nickel	7440-02-0	mg/L	10/5/2015	0.00241J	0.0118	0.036	0.013	0.00539	0.00136J	0.00371J	0.0606	0.0162
Nickel	7440-02-0	mg/L	4/4/2016	0.003J	0.0103	0.0363	0.0138	0.00877	<0.005	0.00356J	0.0577	0.0146
Nickel	7440-02-0	mg/L	10/17/2016	0.00229J	0.00893	0.0319	0.0123	0.0043J	<0.005	0.00223J; 0.00237J	0.0474	0.00919
Nickel	7440-02-0	mg/L	4/17/2017	0.00279J	0.0128	0.0317	0.0118	0.00374J	0.00167J	0.0026J	0.0437	0.00372J
Nickel	7440-02-0	mg/L	10/11/2017	0.00279J	0.0166	0.029	0.0131	0.00439J	0.000995J	0.0029J	0.0471	0.0103; 0.0134
Nickel	7440-02-0	mg/L	4/23/2018					0.00375J	0.00137J			
Nickel	7440-02-0	mg/L	4/24/2018				0.0119			0.00288J		
Nickel	7440-02-0	mg/L	4/25/2018			0.0205					0.0392	0.0105
Nickel	7440-02-0	mg/L	4/27/2018	0.00207J	0.0183							
Nickel	7440-02-0	mg/L	10/16/2018	0.00288J	0.012	0.0208	0.0124	0.00492	0.00263	0.00235	0.0446	0.00701
Nickel	7440-02-0	mg/L	4/16/2019	0.00259J	0.0141	0.0167	0.0122	0.00399J	<0.005	0.00272J	0.0384	<0.005
Nickel	7440-02-0	mg/L	10/1/2019	<0.005	0.0113	0.0139	0.0115	0.00362J	0.0018J	0.00238J	0.0474	0.00344J
Nickel	7440-02-0	mg/L	3/30/2020	0.00207J	0.00993	0.0102	0.0101	0.00204J	<0.005	<0.005	0.0473	<0.005
Nickel	7440-02-0	mg/L	10/7/2020	0.00255J	0.012	0.00809	0.00993	0.0042J	<0.005	0.00276J	0.0484	0.00255J
Nickel	7440-02-0	mg/L	4/13/2021	0.0024J	0.012	0.008	0.0087; 0.0086	0.0034J	0.0013J	0.0025J	0.0411	0.001J
Nickel	7440-02-0	mg/L	10/20/2021	0.0024J	0.0219	0.0079	0.0092	0.0067	0.0032J	0.0028J	0.0487	0.0029J
Nickel	7440-02-0	mg/L	5/2/2022	0.0019J	0.0116	0.0086	0.0085	0.004	<0.004	0.0032J	0.0454	<0.004
Nickel	7440-02-0	mg/L	10/14/2022	0.0024J	0.0115	0.0092	0.0086	0.0073	0.0015J	0.0024J	0.0536	0.0016J
Nickel	7440-02-0	mg/L	5/1/2023	0.00267J	0.0127	0.00898	0.00875	0.00534	<0.005	0.0021J	0.049	<0.005
Nickel	7440-02-0	mg/L	10/16/2023	0.00191J	0.0103	0.0112	0.00859	0.00714	<0.005	0.00219J	0.055	0.00349J
Nickel	7440-02-0	mg/L	4/29/2024	0.0123	0.0283	0.0104	0.00813	0.00321J	<0.005	<0.005	0.056	0.00356J
Nickel	7440-02-0	mg/L	10/9/2024			0.0104				<0.00500	0.0552	
Nickel	7440-02-0	mg/L	10/10/2024				0.00715	0.00402J	<0.00500			<0.00500
Nickel	7440-02-0	mg/L	10/14/2024	0.00275J	0.0103							
Nickel	7440-02-0	mg/L	4/28/2025			0.0102				<0.0250	0.0601	<0.0200
Nickel	7440-02-0	mg/L	4/29/2025				0.00665	0.00299	<0.00500			
Nickel	7440-02-0	mg/L	5/8/2025	0.00699	0.0157							
Nitrate (NO3)	14797-55-8	mg/L	4/6/2015	<0.1	0.461	<0.1	0.301	<0.1	0.106	<0.1	<0.1	<0.1
Nitrate (NO3)	14797-55-8	mg/L	10/5/2015	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	<0.1
Nitrate (NO3)	14797-55-8	mg/L	4/4/2016	1.2	1.07	<0.1	<0.1	<0.1	0.124	<0.1	0.098J	<0.1
Nitrate (NO3)	14797-55-8	mg/L	10/17/2016	<0.1	1.37	<0.1	<0.1	<0.1	0.128	0.404	0.662	1.13
Nitrate (NO3)	14797-55-8	mg/L	10/20/2021	<0.1	0.6	<0.1	<0.1	<0.1	0.7	<0.1	0.3	<0.1
Nitrate (NO3)	14797-55-8	mg/L	5/2/2022	<0.1	<0.1	<0.1	<0.1	<0.1	1.1	<0.1	0.1	<0.1
Nitrate (NO3)	14797-55-8	mg/L	5/1/2023	<0.2	<0.2	0.278	0.228	<0.2	0.792	<0.2	1.69	<0.2
Nitrate (NO3)	14797-55-8	mg/L	4/29/2024	<0.2	0.395	<0.2	<0.2	0.238	2.1	<0.2	1.27	<0.2
Nitrate as N	14797-55-8	mg/L	4/28/2025			<0.200				<0.200	0.759	<0.200
Nitrate as N	14797-55-8	mg/L	4/29/2025				<0.200	0.469	<0.200			
Nitrate as N	14797-55-8	mg/L	5/8/2025	<0.200	<0.200							

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Nitrobenzene	98-95-3	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Nitrobenzene	98-95-3	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Nitrobenzene	98-95-3	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Nitrobenzene	98-95-3	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Nitrobenzene	98-95-3	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Nitrobenzene	98-95-3	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Nitrobenzene	98-95-3	ug/L	5/8/2025	<10.0	<10.9							
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	4/14/2009	<30	<30	<30	<150	<30				
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
O-Toluidine	95-53-4	ug/L	4/14/2009	<10	<10	<10	<50	<10				
O-Toluidine	95-53-4	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
O-Toluidine	95-53-4	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	0.474J	<10
O-Toluidine	95-53-4	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
PCB-1016	12674-11-2	ug/L	4/14/2009	<0.8	<0.8	<0.8	<0.8	<0.8				
PCB-1016	12674-11-2	ug/L	5/10/2010	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
PCB-1016	12674-11-2	ug/L	10/5/2015	<0.851	<0.833	<0.8	<0.808	<0.816	<0.825	<0.8	<0.8	<0.8
PCB-1016	12674-11-2	ug/L	3/30/2020	<0.889	<0.851	<0.833	<0.833	<0.833	<0.833	<0.825	<0.833	<0.833
PCB-1016	12674-11-2	ug/L	4/28/2025			<1.81				<1.80	<1.81	<1.79
PCB-1016	12674-11-2	ug/L	4/29/2025				<1.79	<1.81	<1.80			
PCB-1016	12674-11-2	ug/L	5/8/2025	<1.82	<1.80							
PCB-1221	11104-28-2	ug/L	4/14/2009	<0.8	<0.8	<0.8	<0.8	<0.8				
PCB-1221	11104-28-2	ug/L	5/10/2010	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
PCB-1221	11104-28-2	ug/L	10/5/2015	<0.851	<0.833	<0.8	<0.808	<0.816	<0.825	<0.8	<0.8	<0.8
PCB-1221	11104-28-2	ug/L	3/30/2020	<0.889	<0.851	<0.833	<0.833	<0.833	<0.833	<0.825	<0.833	<0.833
PCB-1221	11104-28-2	ug/L	4/28/2025			<1.81				<1.80	<1.81	<1.79
PCB-1221	11104-28-2	ug/L	4/29/2025				<1.79	<1.81	<1.80			
PCB-1221	11104-28-2	ug/L	5/8/2025	<1.82	<1.80							
PCB-1232	11141-16-5	ug/L	4/14/2009	<0.8	<0.8	<0.8	<0.8	<0.8				
PCB-1232	11141-16-5	ug/L	5/10/2010	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
PCB-1232	11141-16-5	ug/L	10/5/2015	<0.851	<0.833	<0.8	<0.808	<0.816	<0.825	<0.8	<0.8	<0.8
PCB-1232	11141-16-5	ug/L	3/30/2020	<0.889	<0.851	<0.833	<0.833	<0.833	<0.833	<0.825	<0.833	<0.833
PCB-1232	11141-16-5	ug/L	4/28/2025			<1.81				<1.80	<1.81	<1.79
PCB-1232	11141-16-5	ug/L	4/29/2025				<1.79	<1.81	<1.80			
PCB-1232	11141-16-5	ug/L	5/8/2025	<1.82	<1.80							
PCB-1242	53469-21-9	ug/L	4/14/2009	<0.8	<0.8	<0.8	<0.8	<0.8				
PCB-1242	53469-21-9	ug/L	5/10/2010	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
PCB-1242	53469-21-9	ug/L	10/5/2015	<0.851	<0.833	<0.8	<0.808	<0.816	<0.825	<0.8	<0.8	<0.8
PCB-1242	53469-21-9	ug/L	3/30/2020	<0.889	<0.851	<0.833	<0.833	<0.833	<0.833	<0.825	<0.833	<0.833
PCB-1242	53469-21-9	ug/L	4/28/2025			<1.81				<1.80	<1.81	<1.79
PCB-1242	53469-21-9	ug/L	4/29/2025				<1.79	<1.81	<1.80			
PCB-1242	53469-21-9	ug/L	5/8/2025	<1.82	<1.80							
PCB-1248	12672-29-6	ug/L	4/14/2009	<0.8	<0.8	<0.8	<0.8	<0.8				
PCB-1248	12672-29-6	ug/L	5/10/2010	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
PCB-1248	12672-29-6	ug/L	10/5/2015	<0.851	<0.833	<0.8	<0.808	<0.816	<0.825	<0.8	<0.8	<0.8
PCB-1248	12672-29-6	ug/L	3/30/2020	<0.889	<0.851	<0.833	<0.833	<0.833	<0.833	<0.825	<0.833	<0.833
PCB-1248	12672-29-6	ug/L	4/28/2025			<1.81				<1.80	<1.81	<1.79
PCB-1248	12672-29-6	ug/L	4/29/2025				<1.79	<1.81	<1.80			
PCB-1248	12672-29-6	ug/L	5/8/2025	<1.82	<1.80							
PCB-1254	11097-69-1	ug/L	4/14/2009	<0.8	<0.8	<0.8	<0.8	<0.8				
PCB-1254	11097-69-1	ug/L	5/10/2010	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
PCB-1254	11097-69-1	ug/L	10/5/2015	<0.851	<0.833	<0.8	<0.808	<0.816	<0.825	<0.8	<0.8	<0.8
PCB-1254	11097-69-1	ug/L	3/30/2020	<0.889	<0.851	<0.833	<0.833	<0.833	<0.833	<0.825	<0.833	<0.833
PCB-1254	11097-69-1	ug/L	4/28/2025			<1.81				<1.80	<1.81	<1.79
PCB-1254	11097-69-1	ug/L	4/29/2025				<1.79	<1.81	<1.80			
PCB-1254	11097-69-1	ug/L	5/8/2025	<1.82	<1.80							
PCB-1260	11096-82-5	ug/L	4/14/2009	<0.8	<0.8	<0.8	<0.8	<0.8				
PCB-1260	11096-82-5	ug/L	5/10/2010	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
PCB-1260	11096-82-5	ug/L	10/5/2015	<0.851	<0.833	<0.8	<0.808	<0.816	<0.825	<0.8	<0.8	<0.8
PCB-1260	11096-82-5	ug/L	3/30/2020	<0.889	<0.851	<0.833	<0.833	<0.833	<0.833	<0.825	<0.833	<0.833
PCB-1260	11096-82-5	ug/L	4/28/2025			<1.81				<1.80	<1.81	<1.79
PCB-1260	11096-82-5	ug/L	4/29/2025				<1.79	<1.81	<1.80			

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
PCB-1260	11096-82-5	ug/L	5/8/2025	<1.82	<1.80							
Parathion-Ethyl	56-38-2	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Parathion-Ethyl	56-38-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Parathion-Ethyl	56-38-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Parathion-Ethyl	56-38-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Parathion-Methyl	298-00-0	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Parathion-Methyl	298-00-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Parathion-Methyl	298-00-0	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Parathion-Methyl	298-00-0	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Pentachlorobenzene	608-93-5	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Pentachlorobenzene	608-93-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Pentachlorobenzene	608-93-5	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Pentachlorobenzene	608-93-5	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Pentachlorobenzene	608-93-5	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Pentachlorobenzene	608-93-5	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Pentachlorobenzene	608-93-5	ug/L	5/8/2025	<10.0	<10.9							
Pentachloronitrobenzene	82-68-8	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Pentachloronitrobenzene	82-68-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Pentachloronitrobenzene	82-68-8	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Pentachloronitrobenzene	82-68-8	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Pentachloronitrobenzene	82-68-8	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Pentachloronitrobenzene	82-68-8	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Pentachloronitrobenzene	82-68-8	ug/L	5/8/2025	<10.0	<10.9							
Pentachlorophenol	87-86-5	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Pentachlorophenol	87-86-5	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Pentachlorophenol	87-86-5	ug/L	5/8/2025	<10.0	<10.9							
Pentachlorophenol [2C]	87-86-5	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Pentachlorophenol [2C]	87-86-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Pentachlorophenol [2C]	87-86-5	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Pentachlorophenol [2C]	87-86-5	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Phenacetin	62-44-2	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Phenacetin	62-44-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phenacetin	62-44-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Phenacetin	62-44-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Phenacetin	62-44-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Phenacetin	62-44-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Phenacetin	62-44-2	ug/L	5/8/2025	<10.0	<10.9							
Phenanthrene	85-01-8	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Phenanthrene	85-01-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phenanthrene	85-01-8	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Phenanthrene	85-01-8	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Phenanthrene	85-01-8	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Phenanthrene	85-01-8	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Phenanthrene	85-01-8	ug/L	5/8/2025	<10.0	<10.9							
Phenol	108-95-2	ug/L	4/14/2009	<20	<20	<20	<100	<20				
Phenol	108-95-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phenol	108-95-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Phenol	108-95-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Phenol	108-95-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Phenol	108-95-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Phenol	108-95-2	ug/L	5/8/2025	<10.0	<10.9							
Phorate	298-02-2	ug/L	4/14/2009	<60	<60	<60	<300	<60				
Phorate	298-02-2	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phorate	298-02-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Phorate	298-02-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Phorate	298-02-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Phorate	298-02-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Phorate	298-02-2	ug/L	5/8/2025	<10.0	<10.9							
Potassium	7440-09-7	mg/L	6/2/2014	<1	1.39	<1	1.27		<1	<1	36.1	1.31
Potassium	7440-09-7	mg/L	10/15/2014	<1	1.42	<1	1.34	<1	<1	0.817J	42.8	1.23
Potassium	7440-09-7	mg/L	3/30/2020				1.16					
Pronamide	23950-58-5	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Pronamide	23950-58-5	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Pronamide	23950-58-5	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Pronamide	23950-58-5	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Pronamide	23950-58-5	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Pronamide	23950-58-5	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Pronamide	23950-58-5	ug/L	5/8/2025	<10.0	<10.9							
Propionitrile	107-12-0	ug/L	4/14/2009	<10	<10	<10	<10	<10				
Propionitrile	107-12-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
Propionitrile	107-12-0	ug/L	10/5/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
Propionitrile	107-12-0	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<50	<10
Propionitrile	107-12-0	ug/L	4/28/2025			<10.0				<10.0	<10.0	<10.0
Propionitrile	107-12-0	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Propionitrile	107-12-0	ug/L	5/8/2025	<10.0	<10.0							
Pyrene	129-00-0	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Pyrene	129-00-0	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Pyrene	129-00-0	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Pyrene	129-00-0	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Pyrene	129-00-0	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Pyrene	129-00-0	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Pyrene	129-00-0	ug/L	5/8/2025	<10.0	<10.9							
Safrole	94-59-7	ug/L	4/14/2009	<10	<10	<10	<50	<10				
Safrole	94-59-7	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
Safrole	94-59-7	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Safrole	94-59-7	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Safrole	94-59-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Safrole	94-59-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Safrole	94-59-7	ug/L	5/8/2025	<10.0	<10.9							
Selenium	7782-49-2	mg/L	2/27/2008	<0.01	<0.01	<0.01	<0.01	<0.01				
Selenium	7782-49-2	mg/L	5/12/2008	<0.01	<0.01	<0.01	<0.01	<0.01				
Selenium	7782-49-2	mg/L	7/13/2008	<0.01	<0.01	<0.01	<0.01	<0.01				
Selenium	7782-49-2	mg/L	9/14/2008	<0.01	<0.01	<0.01	<0.01	<0.01				
Selenium	7782-49-2	mg/L	11/17/2008	<0.005	<0.005	<0.005	<0.005	<0.005				
Selenium	7782-49-2	mg/L	4/14/2009	<0.01	<0.01	<0.01	<0.01	<0.01				
Selenium	7782-49-2	mg/L	7/7/2009						<0.01	<0.01	<0.01	<0.01
Selenium	7782-49-2	mg/L	9/2/2009						<0.01	<0.01	<0.01	<0.01
Selenium	7782-49-2	mg/L	10/25/2009	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium	7782-49-2	mg/L	1/2/2010						<0.01	<0.01	<0.01	<0.01
Selenium	7782-49-2	mg/L	3/3/2010						<0.01	<0.01	<0.01	<0.01
Selenium	7782-49-2	mg/L	5/10/2010	0.0053	<0.002	0.0042	0.0059	0.0034	0.0023	<0.002	0.011	<0.002
Selenium	7782-49-2	mg/L	7/8/2010						<0.01		<0.01	
Selenium	7782-49-2	mg/L	9/13/2010						<0.01		<0.01	
Selenium	7782-49-2	mg/L	11/1/2010						<0.01	<0.01	<0.01	<0.01
Selenium	7782-49-2	mg/L	1/10/2011						<0.005		<0.005	
Selenium	7782-49-2	mg/L	4/4/2011						<0.01	<0.01	<0.01	<0.01
Selenium	7782-49-2	mg/L	10/13/2011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	4/11/2012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/11/2012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	3/30/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/7/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	6/2/2014	<0.005	<0.005	<0.005	<0.005	0.000833J	<0.005	<0.005	0.0014J	0.000964J
Selenium	7782-49-2	mg/L	10/15/2014	<0.005	<0.005	<0.005	<0.005	<0.005	0.00112J	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	4/6/2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/5/2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	4/4/2016	<0.005	<0.005	0.000664J	<0.005	<0.005	<0.005	0.000772J	0.0015J	<0.005
Selenium	7782-49-2	mg/L	10/17/2016	0.00121J	0.00123J	<0.005	<0.005	<0.005	<0.005	<0.005	0.00108J	0.00472J
Selenium	7782-49-2	mg/L	4/17/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00093J	<0.005
Selenium	7782-49-2	mg/L	10/11/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00107J	<0.005
Selenium	7782-49-2	mg/L	4/23/2018					<0.005	<0.005			
Selenium	7782-49-2	mg/L	4/24/2018				<0.005			<0.005		
Selenium	7782-49-2	mg/L	4/25/2018			<0.005					0.00116J	<0.005
Selenium	7782-49-2	mg/L	4/27/2018	<0.005	<0.005							
Selenium	7782-49-2	mg/L	10/16/2018	<0.005	<0.005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00102J	<0.0025
Selenium	7782-49-2	mg/L	4/16/2019	<0.005	<0.005	<0.005	<0.005	<0.005	0.00174J	<0.005	0.00123J	<0.005
Selenium	7782-49-2	mg/L	10/1/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00156J	<0.005

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Selenium	7782-49-2	mg/L	3/30/2020	<0.005	<0.005	<0.005	0.00185J	<0.005	0.00132J	<0.005	0.00134J	<0.005
Selenium	7782-49-2	mg/L	10/7/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00101J	0.0018J
Selenium	7782-49-2	mg/L	4/13/2021	<0.004	<0.004	<0.004	<0.004	<0.004	0.0017J	<0.004	0.0021J	<0.004
Selenium	7782-49-2	mg/L	10/20/2021	<0.004	0.0041	<0.004	<0.004	<0.004	0.0065	<0.004	0.0025J	<0.004
Selenium	7782-49-2	mg/L	5/2/2022	0.0018J	<0.004	0.0018J	<0.004	0.0026J	0.0028J	0.002J	<0.004	<0.004
Selenium	7782-49-2	mg/L	10/14/2022	<0.004	<0.004	<0.004	<0.004	<0.004	0.0035J	<0.004	0.0021J	0.0019J
Selenium	7782-49-2	mg/L	5/1/2023	<0.005	<0.005	0.00156J	<0.005	<0.005	0.00196J	<0.005	0.00154J	<0.005
Selenium	7782-49-2	mg/L	10/16/2023	0.0016J	<0.005	<0.005	<0.005	<0.005	0.0018J	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	4/29/2024	<0.005	<0.005	<0.005	<0.005	<0.005	0.00175J	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/9/2024			<0.00500				<0.00500	<0.00500	
Selenium	7782-49-2	mg/L	10/10/2024				<0.00500	<0.00500	0.00358J			<0.00500
Selenium	7782-49-2	mg/L	10/14/2024	<0.00500	<0.00500							
Selenium	7782-49-2	mg/L	4/28/2025			<0.00500				<0.0250	<0.00500	<0.00500
Selenium	7782-49-2	mg/L	4/29/2025				<0.00500	<0.00500	0.00230			
Selenium	7782-49-2	mg/L	5/8/2025	<0.00500	<0.00500							
Silver	7440-22-4	mg/L	2/27/2008	<0.01	<0.01	<0.01	<0.01	<0.01				
Silver	7440-22-4	mg/L	5/12/2008	<0.01	<0.01	0.017	<0.01	<0.01				
Silver	7440-22-4	mg/L	7/13/2008	<0.01	<0.01	<0.01	<0.01	<0.01				
Silver	7440-22-4	mg/L	9/14/2008	<0.01	<0.01	<0.01	<0.01	<0.01				
Silver	7440-22-4	mg/L	11/17/2008	<0.02	<0.02	<0.02	<0.02	<0.02				
Silver	7440-22-4	mg/L	4/14/2009	<0.01	<0.01	0.011	<0.01	<0.01				
Silver	7440-22-4	mg/L	7/7/2009			<0.01			<0.01	<0.01	<0.01	<0.01
Silver	7440-22-4	mg/L	9/2/2009			<0.01			<0.01	<0.01	0.017	<0.01
Silver	7440-22-4	mg/L	10/25/2009	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Silver	7440-22-4	mg/L	1/2/2010			<0.025			<0.025	<0.025	<0.025	<0.025
Silver	7440-22-4	mg/L	3/3/2010						<0.025	<0.025	<0.025	<0.025
Silver	7440-22-4	mg/L	5/10/2010	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	11/1/2010						<0.025	<0.025	<0.025	<0.025
Silver	7440-22-4	mg/L	4/4/2011						<0.025	<0.025	<0.025	<0.025
Silver	7440-22-4	mg/L	10/13/2011	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	4/11/2012	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	10/11/2012	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	3/30/2013	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	10/7/2013	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	6/2/2014	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	10/15/2014	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Silver	7440-22-4	mg/L	4/6/2015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/5/2015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000113J	0.000119J
Silver	7440-22-4	mg/L	4/4/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/17/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	4/17/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/11/2017	<0.001	<0.001	0.00014J	<0.001	0.000163J	<0.001	<0.001	0.000165J	<0.001
Silver	7440-22-4	mg/L	4/23/2018					<0.001	<0.001			
Silver	7440-22-4	mg/L	4/24/2018				<0.001			<0.001		
Silver	7440-22-4	mg/L	4/25/2018			<0.001					0.000569J	<0.001
Silver	7440-22-4	mg/L	4/27/2018	<0.001	<0.001							
Silver	7440-22-4	mg/L	10/16/2018	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Silver	7440-22-4	mg/L	4/16/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	3/30/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/7/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	4/13/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	7440-22-4	mg/L	10/20/2021	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	7440-22-4	mg/L	5/2/2022	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	7440-22-4	mg/L	10/14/2022	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Silver	7440-22-4	mg/L	5/1/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/16/2023	0.00112	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	4/29/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00911	<0.001
Silver	7440-22-4	mg/L	10/9/2024			<0.00100				<0.00100	<0.00100	
Silver	7440-22-4	mg/L	10/10/2024				<0.00100	<0.00100	<0.00100			<0.00100
Silver	7440-22-4	mg/L	10/14/2024	<0.00100	<0.00100							
Silver	7440-22-4	mg/L	4/28/2025			<0.00100				<0.00500	<0.00100	<0.00100
Silver	7440-22-4	mg/L	4/29/2025				<0.00100	<0.00100	<0.00100			

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Silver	7440-22-4	mg/L	5/8/2025	<0.00100	<0.00100							
Silvex (2,4,5-TP)	93-72-1	ug/L	10/9/2024								1.35	
Silvex (2,4,5-TP)	93-72-1	ug/L	4/28/2025			<0.0547				<0.0551	0.800	<0.0560
Silvex (2,4,5-TP)	93-72-1	ug/L	4/29/2025				<0.0520	0.0780	<0.0532			
Silvex (2,4,5-TP)	93-72-1	ug/L	5/8/2025	<0.0526	<0.0541							
Sodium	7440-23-5	mg/L	6/2/2014	12.3; 12.5	36.6	23.9	26.5		12.9	28.2	372	12.1
Sodium	7440-23-5	mg/L	10/15/2014	11.7	38.8	25	28.5	9.64	13.2	29.2	320	11.3
Sodium	7440-23-5	mg/L	3/30/2020				29.6					
Styrene	100-42-5	ug/L	2/27/2008	<1	<1	<1	<1	<1				
Styrene	100-42-5	ug/L	5/12/2008	<1	<1	<1	<1	<1				
Styrene	100-42-5	ug/L	7/13/2008	<1	<1	<1	<1	<1				
Styrene	100-42-5	ug/L	9/14/2008	<1	<1	<1	<1	<1				
Styrene	100-42-5	ug/L	11/17/2008	<1	<1	<1	<1	<1				
Styrene	100-42-5	ug/L	4/14/2009	<1	<1	<1	<1	<1				
Styrene	100-42-5	ug/L	7/7/2009						<1	<1	<20	<1
Styrene	100-42-5	ug/L	9/2/2009						<1	<1	<10	<1
Styrene	100-42-5	ug/L	10/25/2009	<2	<2	<2	<2	<2	<2	<2	<20	<2
Styrene	100-42-5	ug/L	1/2/2010						<4	<4	<40	<2
Styrene	100-42-5	ug/L	3/3/2010						<2	<2	<2	<2
Styrene	100-42-5	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4	<4	<20	<4
Styrene	100-42-5	ug/L	11/1/2010	<1	<1	<1	<1	<1	<1	<1	<5	<1
Styrene	100-42-5	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	<5	<1
Styrene	100-42-5	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Styrene	100-42-5	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Styrene	100-42-5	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
Styrene	100-42-5	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<10	<1
Styrene	100-42-5	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/23/2018					<1	<1			
Styrene	100-42-5	ug/L	4/24/2018				<1			<1		
Styrene	100-42-5	ug/L	4/25/2018			<1					<1	<1
Styrene	100-42-5	ug/L	4/27/2018	<1	<1							
Styrene	100-42-5	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<10	<1
Styrene	100-42-5	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
Styrene	100-42-5	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/9/2024			<1.00				<1.00	<1.00	
Styrene	100-42-5	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
Styrene	100-42-5	ug/L	10/14/2024	<1.00	<1.00							
Styrene	100-42-5	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
Styrene	100-42-5	ug/L	4/29/2025				<1.00	<1.00	<1.00			
Styrene	100-42-5	ug/L	5/8/2025	<1.00	<1.00							
Sulfate	14808-79-8	mg/L	6/2/2014	26.9	38	5.07	12.9		69.6	13.2	4.17J	55.3
Sulfate	14808-79-8	mg/L	10/15/2014	28.8	48.3	3.42J	11	26.3	70.4	31.2	<5	51.6
Sulfate	14808-79-8	mg/L	4/6/2015	25.1	49.6	<1	10.4	23.7	70.1	9.11	<1	208
Sulfate	14808-79-8	mg/L	10/5/2015	25.2	49.4	<5	8.78	9.48	74.4	24.1	<5	65.5
Sulfate	14808-79-8	mg/L	4/4/2016	23.3	200	<1	8.66	20	82.9	39.4	0.542J	266
Sulfate	14808-79-8	mg/L	10/17/2016	23.5	39.9	<1	11.5	8.09	69.8	31	<1	109
Sulfate	14808-79-8	mg/L	3/30/2020				49.2					

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Sulfate	14808-79-8	mg/L	10/20/2021	16.5	81.7	81	62.8	9	81.1	<1	<1	159
Sulfate	14808-79-8	mg/L	5/2/2022	23.9	64.4	109	69.6	12.3	82.1	2.7	<1	789
Sulfate	14808-79-8	mg/L	5/1/2023	57.3	181	48.9	73.6	13.1	79.6	23.4	<1	717
Sulfate	14808-79-8	mg/L	4/29/2024	460	98.7	111	74.7	18.1	76.9	39.5	<1	693
Sulfate	14808-79-8	mg/L	4/28/2025			309				66.0	11.6	373
Sulfate	14808-79-8	mg/L	4/29/2025				67.0	19.9	61.6			
Sulfate	14808-79-8	mg/L	5/8/2025	252	91.0							
Sulfide	18496-25-8	mg/L	4/14/2009			<1	<1					
Sulfide	18496-25-8	mg/L	5/10/2010	<1	<1	<1	<1	<1	<1	<1	3.6	<1
Sulfide	18496-25-8	mg/L	6/2/2014								4.27	
Sulfide	18496-25-8	mg/L	10/15/2014								10.2	
Sulfide	18496-25-8	mg/L	4/6/2015								<1	
Sulfide	18496-25-8	mg/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	11.9	<1
Sulfide	18496-25-8	mg/L	4/4/2016								2.03	
Sulfide	18496-25-8	mg/L	10/17/2016								3.56	
Sulfide	18496-25-8	mg/L	4/17/2017								1.31	
Sulfide	18496-25-8	mg/L	10/11/2017								5.1	
Sulfide	18496-25-8	mg/L	4/25/2018								1.86	
Sulfide	18496-25-8	mg/L	10/16/2018								1.95	
Sulfide	18496-25-8	mg/L	4/16/2019								4.81	
Sulfide	18496-25-8	mg/L	10/1/2019								4.56	
Sulfide	18496-25-8	mg/L	3/30/2020	<1	<1	7.37	<1	<1	<1	2.08	1.12	0.627J
Sulfide	18496-25-8	mg/L	10/7/2020			<10				<10	<10	
Sulfide	18496-25-8	mg/L	1/21/2021							<0.1		
Sulfide	18496-25-8	mg/L	4/13/2021			<0.1				0.025J	<0.1	
Sulfide	18496-25-8	mg/L	5/2/2022			<0.1				0.053J	0.042J	
Sulfide	18496-25-8	mg/L	10/14/2022			<0.1				0.059J	0.12	
Sulfide	18496-25-8	mg/L	5/1/2023							<1	0.42J	
Sulfide	18496-25-8	mg/L	10/16/2023			<1				<1	0.82J	
Sulfide	18496-25-8	mg/L	4/29/2024							<1	0.45J	
Sulfide	18496-25-8	mg/L	10/9/2024			<1.00				<1.00	1.47	
Sulfide	18496-25-8	mg/L	4/28/2025			<1.00				<1.00	1.04	<1.00
Sulfide	18496-25-8	mg/L	4/29/2025				<1.00	<1.00	<1.00			
Sulfide	18496-25-8	mg/L	5/8/2025	<1.00	<1.00							
Tetrachloro-m-xylene	877-09-8	ug/L	4/28/2025			7.24; 7.24				6.19; 6.19	3.43; 3.43	11.1; 11.1
Tetrachloro-m-xylene	877-09-8	ug/L	4/29/2025				6.08; 6.08	6.78; 6.78	5.31; 5.31			
Tetrachloro-m-xylene	877-09-8	ug/L	5/8/2025	7.12; 7.12	8.92; 8.92							
Tetrachloro-m-xylene (Surr)	877-09-8	ug/L	10/9/2024								11.7	
Tetrachloroethene	127-18-4	ug/L	2/27/2008	<1	<1	<1	<1	13.4				
Tetrachloroethene	127-18-4	ug/L	5/12/2008	<1	<1	<1	<1	6.13				
Tetrachloroethene	127-18-4	ug/L	7/13/2008	<1	<1	<1	<1	6.62				
Tetrachloroethene	127-18-4	ug/L	9/14/2008	<1	<1	<1	<1	13.4				
Tetrachloroethene	127-18-4	ug/L	11/17/2008	<1	<1	<1	<1	11.1				
Tetrachloroethene	127-18-4	ug/L	4/14/2009	<1	<1	<1	<1	11.4				
Tetrachloroethene	127-18-4	ug/L	7/7/2009					10.4	9.89; 4.97	<1	<20	<1
Tetrachloroethene	127-18-4	ug/L	9/2/2009					11.1	7.9	<1	<10	<1
Tetrachloroethene	127-18-4	ug/L	10/25/2009	<1	<1	<1	<1	11.4	9.87	<1	<10	<1
Tetrachloroethene	127-18-4	ug/L	1/2/2010					8.9	7.69	<1	<10	<1
Tetrachloroethene	127-18-4	ug/L	3/3/2010						9.89	<2	<2	<2
Tetrachloroethene	127-18-4	ug/L	5/10/2010	<1	<1	<1	<1	8.05	11	<1	<5	<1
Tetrachloroethene	127-18-4	ug/L	7/8/2010						8.66			
Tetrachloroethene	127-18-4	ug/L	9/13/2010						10.7			
Tetrachloroethene	127-18-4	ug/L	11/1/2010	<1	<1	<1	<1	10.2	9.58	<1	<5	<1
Tetrachloroethene	127-18-4	ug/L	1/10/2011						7.85			
Tetrachloroethene	127-18-4	ug/L	4/4/2011					10.5	7.06			
Tetrachloroethene	127-18-4	ug/L	10/13/2011	<1	<1	<1	<1	11.8	5.86	<1	<5	<1
Tetrachloroethene	127-18-4	ug/L	4/11/2012	<1	<1	<1	<1	5.94	5.82	<1	<10	<1
Tetrachloroethene	127-18-4	ug/L	10/11/2012	<1	<1	<1	<1	11.2	5.59	<1	<10	<1
Tetrachloroethene	127-18-4	ug/L	3/30/2013	<1	<1	<1	<1	8.14	4.62	<1	<1.8	<1
Tetrachloroethene	127-18-4	ug/L	10/7/2013		<1	<1	<1	9.77; 9.67	4.15	<1		<1
Tetrachloroethene	127-18-4	ug/L	6/2/2014	<1	<1	<1	<1	10.4	6.8	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/15/2014	<1	<1	<1	<1	6.78	6.55	<1	<10	<1
Tetrachloroethene	127-18-4	ug/L	4/6/2015	<1	<1	<1	<1	6.23	4.58	<1	<1	<1

Table 9A
Analytical Data Summary - Source Characterization Wells
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Iowa City Sanitary Landfill
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Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Tetrachloroethene	127-18-4	ug/L	10/5/2015	<1	<1	<1	<1	7.96	5.47	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/4/2016	<1	<1	<1	<1	5.25	4.1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/17/2016	<1	<1	<1	<1	7.95	5.63	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/17/2017	<1	<1	<1	<1	6.7	3.64	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/11/2017	<1	<1	<1	<1	9.05	4.32	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/23/2018					7.92	3.15			
Tetrachloroethene	127-18-4	ug/L	4/24/2018				<1			<1		
Tetrachloroethene	127-18-4	ug/L	4/25/2018			<1					<1	<1
Tetrachloroethene	127-18-4	ug/L	4/27/2018	<1	<1							
Tetrachloroethene	127-18-4	ug/L	10/16/2018	<1	<1	<1	<1	7.4	2.96	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/16/2019	<1	<1	<1	<1	6.04	2.72	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/1/2019	<1	<1	<1	<1	7.06	3.39	<1	9.91J	<1
Tetrachloroethene	127-18-4	ug/L	3/30/2020	<1	<1	<1	<1	5.31	2.59	<1	<5	<1
Tetrachloroethene	127-18-4	ug/L	10/7/2020	<1	<1	<1	<1	3.58	2.6	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/13/2021	<1	<1	<1	<1	3.2	2	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/20/2021	<1	<1	<1	<1	4.1	2.2	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	5/2/2022	<1	<1	<1	<1	2.8	1.4	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/14/2022	<1	<1	<1	<1	2.9	2	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	5/1/2023	<1	<1	<1	<1	2.65	1.98	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/16/2023	<1	<1	<1	<1	3.04	2.2	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	4/29/2024	<1	<1	<1	<1	2.15	1.83	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/9/2024			<1.00				<1.00	<1.00	
Tetrachloroethene	127-18-4	ug/L	10/10/2024				<1.00	2.61	1.69			<1.00
Tetrachloroethene	127-18-4	ug/L	10/14/2024	<1.00	<1.00							
Tetrachloroethene	127-18-4	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
Tetrachloroethene	127-18-4	ug/L	4/29/2025				<1.00	1.06	<1.00			
Tetrachloroethene	127-18-4	ug/L	5/8/2025	<1.00	<1.00							
Thallium	7440-28-0	mg/L	2/27/2008	<0.002	<0.002	<0.002	<0.002	<0.002				
Thallium	7440-28-0	mg/L	5/12/2008	<0.002	<0.002	<0.002	<0.002	<0.002				
Thallium	7440-28-0	mg/L	7/13/2008	<0.002	<0.002	<0.002	<0.002	<0.002				
Thallium	7440-28-0	mg/L	9/14/2008	<0.002	<0.002	<0.002	<0.002	<0.002				
Thallium	7440-28-0	mg/L	11/17/2008	<0.002	<0.002	<0.002	<0.002	<0.002				
Thallium	7440-28-0	mg/L	4/14/2009	<0.002	<0.002	<0.002	<0.002	<0.002				
Thallium	7440-28-0	mg/L	7/7/2009						<0.002	<0.002	<0.006	<0.002
Thallium	7440-28-0	mg/L	9/2/2009						<0.002	<0.002	<0.006	<0.002
Thallium	7440-28-0	mg/L	10/25/2009	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	1/2/2010						<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	3/3/2010						<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	5/10/2010	<0.0004	<0.0004	<0.0008	<0.0004	<0.0004	<0.0004	<0.0004	<0.0008	<0.0004
Thallium	7440-28-0	mg/L	11/1/2010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	10/13/2011	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	4/11/2012	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	10/11/2012	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	3/30/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	10/7/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	6/2/2014	<0.002	<0.002	0.00101J	<0.002	<0.002	0.000819J	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	10/15/2014	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	4/6/2015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/5/2015	<0.001	0.000066J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000035J
Thallium	7440-28-0	mg/L	4/4/2016	<0.001	0.000038J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00003J
Thallium	7440-28-0	mg/L	10/17/2016	<0.001	<0.001	<0.001	0.000032J	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	4/17/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/11/2017	<0.001	0.000093J	0.00011J	<0.001	<0.001	<0.001	<0.001	0.000071J	<0.001
Thallium	7440-28-0	mg/L	4/23/2018					<0.001	<0.001			
Thallium	7440-28-0	mg/L	4/24/2018				<0.001			<0.001		
Thallium	7440-28-0	mg/L	4/25/2018			<0.001					<0.001	<0.001
Thallium	7440-28-0	mg/L	4/27/2018	<0.001	<0.001							
Thallium	7440-28-0	mg/L	10/16/2018	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	4/16/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	3/30/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/7/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	4/13/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

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Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Thallium	7440-28-0	mg/L	10/20/2021	<0.002	<0.002	<0.002	<0.002	<0.002	0.0003J	<0.002	<0.002	0.0003J
Thallium	7440-28-0	mg/L	5/2/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	10/14/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Thallium	7440-28-0	mg/L	5/1/2023	<0.001	<0.001	0.00434	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/16/2023	0.0136	0.00103	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	4/29/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/9/2024			<0.00100				<0.00100	<0.00100	
Thallium	7440-28-0	mg/L	10/10/2024				0.000592J	0.000755J	<0.00100			0.000832J
Thallium	7440-28-0	mg/L	10/14/2024	<0.00100	<0.00100							
Thallium	7440-28-0	mg/L	4/28/2025			<0.00100				<0.00500	<0.00100	<0.00100
Thallium	7440-28-0	mg/L	4/29/2025				<0.00100	<0.00100	<0.00100			
Thallium	7440-28-0	mg/L	5/8/2025	<0.00100	<0.00100							
Thionazin	297-97-2	ug/L	4/14/2009			<10	<50					
Thionazin	297-97-2	ug/L	5/10/2010			<10	<10				<10	
Thionazin	297-97-2	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
Thionazin	297-97-2	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
Thionazin	297-97-2	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
Thionazin	297-97-2	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Thionazin	297-97-2	ug/L	5/8/2025	<10.0	<10.9							
Tin	7440-31-5	mg/L	4/14/2009	<0.1	<0.1	<0.1	<0.1	<0.1				
Tin	7440-31-5	mg/L	7/7/2009							<0.1		
Tin	7440-31-5	mg/L	5/10/2010	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tin	7440-31-5	mg/L	10/5/2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00278J	<0.005
Tin	7440-31-5	mg/L	3/30/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tin	7440-31-5	mg/L	4/28/2025			<0.00500				<0.0250	<0.00500	<0.00500
Tin	7440-31-5	mg/L	4/29/2025				<0.00500	<0.00500	<0.00500			
Tin	7440-31-5	mg/L	5/8/2025	<0.00500	<0.00500							
Toluene	108-88-3	ug/L	2/27/2008	<1	<1	<1	<1	<1				
Toluene	108-88-3	ug/L	5/12/2008	<1	<1	<1	<1	<1				
Toluene	108-88-3	ug/L	7/13/2008	<1	<1	<1	13.5	<1				
Toluene	108-88-3	ug/L	9/14/2008	<1	<1	<1	6.06	<1				
Toluene	108-88-3	ug/L	11/17/2008	<1	<1	<1	2.29	<1				
Toluene	108-88-3	ug/L	4/14/2009	<1	<1	<1	<1	<1				
Toluene	108-88-3	ug/L	7/7/2009						<1	<1	108	<1
Toluene	108-88-3	ug/L	9/2/2009						<1	<1	240	<1
Toluene	108-88-3	ug/L	10/25/2009	<1	<1	<1	<1	<1	<1	<1	980	<1
Toluene	108-88-3	ug/L	1/2/2010						<1	<1	489	<1
Toluene	108-88-3	ug/L	3/3/2010						<1	<1	131	<1
Toluene	108-88-3	ug/L	5/10/2010	<1	<1	<1	<1	<1	<1	<1	32.1	<1
Toluene	108-88-3	ug/L	7/8/2010								16.4	
Toluene	108-88-3	ug/L	9/13/2010								9.91	
Toluene	108-88-3	ug/L	11/1/2010	<1	<1	<1	<1	<1	<1	<1	10.6	<1
Toluene	108-88-3	ug/L	1/10/2011								<5	
Toluene	108-88-3	ug/L	4/4/2011								<5	
Toluene	108-88-3	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	<5	<1
Toluene	108-88-3	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Toluene	108-88-3	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
Toluene	108-88-3	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<1.5	<1
Toluene	108-88-3	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
Toluene	108-88-3	ug/L	6/2/2014	<1	<1	<1	<1	<1	<1	<1	0.611J	<1
Toluene	108-88-3	ug/L	10/15/2014	<1	<1	<1	0.278J	<1	<1	<1	<10	<1
Toluene	108-88-3	ug/L	4/6/2015	<1	<1	<1	<1	<1	<1	<1	0.395J	<1
Toluene	108-88-3	ug/L	10/5/2015	<1	<1	<1	<1	<1	<1	<1	0.776J	<1
Toluene	108-88-3	ug/L	4/4/2016	<1	<1	<1	<1	<1	<1	<1	0.495J	<1
Toluene	108-88-3	ug/L	10/17/2016	<1	<1	<1	<1	<1	<1	<1	0.577J	<1
Toluene	108-88-3	ug/L	4/17/2017	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/11/2017	<1	<1	<1	<1	<1	<1	<1	0.513J	<1
Toluene	108-88-3	ug/L	4/23/2018					<1	<1			
Toluene	108-88-3	ug/L	4/24/2018				<1			<1		
Toluene	108-88-3	ug/L	4/25/2018			<1					0.342J	<1
Toluene	108-88-3	ug/L	4/27/2018	<1	<1							
Toluene	108-88-3	ug/L	10/16/2018	<1	<1	<1	<1	<1	<1	<1	5.1	<1
Toluene	108-88-3	ug/L	4/16/2019	<1	<1	<1	<1	<1	<1	<1	<1	<1

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Toluene	108-88-3	ug/L	10/1/2019	<1	<1	<1	<1	<1	<1	<1	<10	<1
Toluene	108-88-3	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
Toluene	108-88-3	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	0.3J	<1
Toluene	108-88-3	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	0.3J	<1
Toluene	108-88-3	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	0.3J	<1
Toluene	108-88-3	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	0.4J	<1
Toluene	108-88-3	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/9/2024			<1.00				<1.00	<1.00	
Toluene	108-88-3	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
Toluene	108-88-3	ug/L	10/14/2024	<1.00	<1.00							
Toluene	108-88-3	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
Toluene	108-88-3	ug/L	4/29/2025				<1.00	<1.00	<1.00			
Toluene	108-88-3	ug/L	5/8/2025	<1.00	<1.00							
Total Organic Carbon	7440-44-0	mg/L	4/28/2025			10.0				10.0	19.1	11.9
Total Organic Carbon	7440-44-0	mg/L	4/29/2025				5.23	2.38	4.10			
Total Organic Carbon	7440-44-0	mg/L	5/8/2025	7.23	7.38							
Total Organic Carbon	TOC	mg/L	4/6/2015	4.93	6.83	9.52	4.33	1.17	1.56	10.9	73.7	8.93
Total Organic Carbon	TOC	mg/L	10/5/2015	4.44	7.05	12.1	4.67	1.5	1.77	9.76	7.37	16.2
Total Organic Carbon	TOC	mg/L	4/4/2016	5.03	6.15	11.6	4.81	1.31	1.72	9.54	62.6	11.9
Total Organic Carbon	TOC	mg/L	10/17/2016	4.84	6.47	6.54	5.08	0.585J	0.991J	9.2	24.4	17.7
Total Organic Carbon	TOC	mg/L	10/20/2021	6.92	5.97	13.5	5.82	2.4	2.07	10.1	70.6	25.8
Total Organic Carbon	TOC	mg/L	5/2/2022	6.94	7.52	13.3	4.89	3.09	2.19	10.7	55.4	4.16
Total Organic Carbon	TOC	mg/L	5/1/2023	8.8	7.21	15.6	4.44	2.59	2.51	13.2	57.9	4.34
Total Organic Carbon	TOC	mg/L	4/29/2024	5.72	6.05	12.1	5.44	2	2.41	11.7	21	21
Total Suspended Solids	STL00161	mg/L	10/9/2024			46.0				67.0	140	
Total Suspended Solids	STL00161	mg/L	10/10/2024				78.0	2.63	<1.88			24.8
Total Suspended Solids	STL00161	mg/L	10/14/2024	25.5	9.33							
Total Suspended Solids	STL00161	mg/L	4/28/2025			110				68.0	168	48.0
Total Suspended Solids	STL00161	mg/L	4/29/2025				37.0	2.13	<1.88			
Total Suspended Solids	STL00161	mg/L	5/8/2025	87.0	8.33							
Total Suspended Solids	TSS	mg/L	6/2/2014	70	36	123	61.3	<5	<5	65	109	48
Total Suspended Solids	TSS	mg/L	10/15/2014	37	5.2	112	79.3	<1.88	4.25	83	59	46
Total Suspended Solids	TSS	mg/L	4/6/2015	16.1	5.88	104; 111	63	<2.5	<2.5	55	68	85
Total Suspended Solids	TSS	mg/L	10/5/2015	22.4	26.1	91.6	56.6	<1.88	<1.88	56	78	120
Total Suspended Solids	TSS	mg/L	4/4/2016	32.9	19	126	76.1	0.875J	1J	64.1	104	104
Total Suspended Solids	TSS	mg/L	10/11/2016				68.9				106	
Total Suspended Solids	TSS	mg/L	10/17/2016	51.8	40.4	98.5	53.5	0.75J	1.5J	53.5; 55	119	113
Total Suspended Solids	TSS	mg/L	11/14/2016				64.9				115	
Total Suspended Solids	TSS	mg/L	4/17/2017	66.2	45.6	166	82.5	2.13	3.87	67.6	112	93.3
Total Suspended Solids	TSS	mg/L	10/11/2017	49.8	22.7	84.7	167	3.38	1.38J	66.4	93	83.6; 92.5
Total Suspended Solids	TSS	mg/L	4/23/2018					1.13J	1.5J			
Total Suspended Solids	TSS	mg/L	4/24/2018				40.9			71.6		
Total Suspended Solids	TSS	mg/L	4/25/2018			17.6					199	106
Total Suspended Solids	TSS	mg/L	4/27/2018	128	15.6							
Total Suspended Solids	TSS	mg/L	10/16/2018	55.5	13.1	93	85	1.75J	2	59	84	55
Total Suspended Solids	TSS	mg/L	4/16/2019	76	72	105	46.9	1.75J	<1.88	95.5	107	52.5
Total Suspended Solids	TSS	mg/L	10/1/2019	31.1; 33.6	19.4	91	46	2.38	0.75J	56	96	28.5
Total Suspended Solids	TSS	mg/L	3/30/2020	34	18	58	48	1.63J	<1.88	78	124	12.8
Total Suspended Solids	TSS	mg/L	10/7/2020	60	48	94	66	1.13J	<1.88	66	128	98
Total Suspended Solids	TSS	mg/L	4/13/2021	95	47	86	44; 48	<2	3	63	82	31
Total Suspended Solids	TSS	mg/L	10/20/2021	86	9	88	76	<2	<1	82	110	85
Total Suspended Solids	TSS	mg/L	5/2/2022	73	89	108	45	<2	<2	94	123	27
Total Suspended Solids	TSS	mg/L	10/14/2022	16	27	78	99	3	<2	65	111	94
Total Suspended Solids	TSS	mg/L	5/1/2023	182	65	104	37	1.63J	<1.88	50	106	43
Total Suspended Solids	TSS	mg/L	10/16/2023	34	23.5	92	81	2.5	1.63J	62	129	121
Total Suspended Solids	TSS	mg/L	4/29/2024	167	3.75	61.3	42.3	3.25	1.63J	68.7	132	24.5
Toxaphene	8001-35-2	ug/L	4/14/2009	<2	<2	<2	<2	<2				
Toxaphene	8001-35-2	ug/L	5/10/2010	<2	<2	<2	<2	<2	<2	<2	<2	<2
Toxaphene	8001-35-2	ug/L	10/5/2015	<2.13	<2.08	<2.04	<2.02	<2.08	<2.02	<2	<2	<2
Toxaphene	8001-35-2	ug/L	3/30/2020	<2.22	<2.13	<2.08	<2.08	<2.08	<2.08	<2.06	<2.08	<2.08

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Toxaphene	8001-35-2	ug/L	4/28/2025			<1.81				<1.80	<1.81	<1.79
Toxaphene	8001-35-2	ug/L	4/29/2025				<1.79	<1.81	<1.80			
Toxaphene	8001-35-2	ug/L	5/8/2025	<1.82	<1.80							
Trichloroethene	79-01-6	ug/L	2/27/2008	<1	<1	<1	<1	14				
Trichloroethene	79-01-6	ug/L	5/12/2008	<1	<1	<1	<1	6.22				
Trichloroethene	79-01-6	ug/L	7/13/2008	<1	<1	<1	<1	7.33				
Trichloroethene	79-01-6	ug/L	9/14/2008	<1	<1	<1	<1	15				
Trichloroethene	79-01-6	ug/L	11/17/2008	<1	<1	<1	<1	13.9				
Trichloroethene	79-01-6	ug/L	4/14/2009	<1	<1	<1	<1	13.8				
Trichloroethene	79-01-6	ug/L	7/7/2009					11.9	10.6; 6.58	<1	<20	<1
Trichloroethene	79-01-6	ug/L	9/2/2009					11.9	8.85	<1	<10	<1
Trichloroethene	79-01-6	ug/L	10/25/2009	<1	<1	<1	<1	11.9	11.2	<1	<10	<1
Trichloroethene	79-01-6	ug/L	1/2/2010					10.6	9.61	<1	<10	<1
Trichloroethene	79-01-6	ug/L	3/3/2010						13.4	<1	<1	<1
Trichloroethene	79-01-6	ug/L	5/10/2010	<1	<1	<1	<1	8.12	13.4	<1	<5	<1
Trichloroethene	79-01-6	ug/L	7/8/2010						11.8			
Trichloroethene	79-01-6	ug/L	9/13/2010						16.8			
Trichloroethene	79-01-6	ug/L	11/1/2010	<1	<1	<1	<1	12.1	14.7	<1	<5	<1
Trichloroethene	79-01-6	ug/L	1/10/2011						12.6			
Trichloroethene	79-01-6	ug/L	4/4/2011					11.6	13.6			
Trichloroethene	79-01-6	ug/L	10/13/2011	<1	<1	<1	<1	12.8	15.7	<1	<5	<1
Trichloroethene	79-01-6	ug/L	4/11/2012	<1	<1	<1	<1	6.44	13	<1	<10	<1
Trichloroethene	79-01-6	ug/L	10/11/2012	<1	<1	<1	<1	13.4	12.6	<1	<10	<1
Trichloroethene	79-01-6	ug/L	3/30/2013	<1	<1	<1	<1	9.31	11.3	<1	<1.9	<1
Trichloroethene	79-01-6	ug/L	10/7/2013		<1	<1	<1	10.1; 10.5	11.4	<1		<1
Trichloroethene	79-01-6	ug/L	6/2/2014	<1	<1	<1	<1	11.7	10.8	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/15/2014	<1	<1	<1	<1	7.11	12.4	<1	<10	<1
Trichloroethene	79-01-6	ug/L	4/6/2015	<1	<1	<1	<1	7.53	9.11	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/5/2015	<1	<1	<1	<1	11.9	9.51	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/4/2016	<1	<1	<1	<1	6.44	6.53	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/17/2016	<1	<1	<1	<1	10.6	8.32	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/17/2017	<1	<1	<1	<1	7.94	6.34	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/11/2017	<1	<1	<1	<1	10	6.15	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/23/2018					9.33	5.96			
Trichloroethene	79-01-6	ug/L	4/24/2018				<1			<1		
Trichloroethene	79-01-6	ug/L	4/25/2018			<1					<1	<1
Trichloroethene	79-01-6	ug/L	4/27/2018	<1	<1							
Trichloroethene	79-01-6	ug/L	10/16/2018	<1	<1	<1	<1	8.33	4.81	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/16/2019	<1	<1	<1	<1	6.79	3.76	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/1/2019	<1	<1	<1	<1	8.44	5.3	<1	<10	<1
Trichloroethene	79-01-6	ug/L	3/30/2020	<1	<1	<1	<1	6.21	3.76	<1	<5	<1
Trichloroethene	79-01-6	ug/L	10/7/2020	<1	<1	<1	<1	5.68	4	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/13/2021	<1	<1	<1	<1	3.4	2.6	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/20/2021	<1	<1	<1	<1	5.7	2.8	<1	<1	<1
Trichloroethene	79-01-6	ug/L	5/2/2022	<1	<1	<1	<1	3	2.3	<1	0.4J	<1
Trichloroethene	79-01-6	ug/L	10/14/2022	<1	<1	<1	<1	4.2	2.6	<1	0.6J	<1
Trichloroethene	79-01-6	ug/L	5/1/2023	<1	<1	<1	<1	2.5	1.87	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/16/2023	<1	<1	<1	<1	3.87	2.3	<1	<1	<1
Trichloroethene	79-01-6	ug/L	4/29/2024	<1	<1	<1	<1	2.16	1.87	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/9/2024			<1.00				<1.00	<1.00	
Trichloroethene	79-01-6	ug/L	10/10/2024				<1.00	2.77	1.39			<1.00
Trichloroethene	79-01-6	ug/L	10/14/2024	<1.00	<1.00							
Trichloroethene	79-01-6	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
Trichloroethene	79-01-6	ug/L	4/29/2025				<1.00	0.480	<1.00			
Trichloroethene	79-01-6	ug/L	5/8/2025	<1.00	<1.00							
Trichlorofluoromethane	75-69-4	ug/L	2/27/2008	<4	<4	<4	<4	7.19				
Trichlorofluoromethane	75-69-4	ug/L	5/12/2008	<4	<4	<4	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	7/13/2008	<4	<4	<4	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	9/14/2008	<4	<4	<4	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	11/17/2008	<4	<4	<4	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	4/14/2009	<4	<4	<4	<4	<4				
Trichlorofluoromethane	75-69-4	ug/L	7/7/2009						<4	<4	<80	<4
Trichlorofluoromethane	75-69-4	ug/L	9/2/2009						<4	<4	<40	<4

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Trichlorofluoromethane	75-69-4	ug/L	10/25/2009	<4	<4	<4	<4	<4	4.26	<4	<40	<4
Trichlorofluoromethane	75-69-4	ug/L	1/2/2010						<4	<4	<40	<4
Trichlorofluoromethane	75-69-4	ug/L	3/3/2010						4.38	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	5/10/2010	<4	<4	<4	<4	<4	<4	<4	<20	<4
Trichlorofluoromethane	75-69-4	ug/L	11/1/2010	<4	<4	<4	<4	<4	<4	<4	<20	<4
Trichlorofluoromethane	75-69-4	ug/L	10/13/2011	<4	<4	<4	<4	<4	<4	<4	<20	<4
Trichlorofluoromethane	75-69-4	ug/L	4/11/2012	<4	<4	<4	<4	<4	<4	<4	<40	<4
Trichlorofluoromethane	75-69-4	ug/L	10/11/2012	<4	<4	<4	<4	<4	<4	<4	<40	<4
Trichlorofluoromethane	75-69-4	ug/L	3/30/2013	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/7/2013		<4	<4	<4	<4	<4	<4		<4
Trichlorofluoromethane	75-69-4	ug/L	6/2/2014	<4	<4	<4	<4	<4	1.44J	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/15/2014	<4	<4	<4	<4	5.9	2.27J	<4	<40	<4
Trichlorofluoromethane	75-69-4	ug/L	4/6/2015	<4	<4	<4	<4	1.19J	1.1J	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/5/2015	<4	<4	<4	<4	2.02J	0.754J	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/4/2016	<4	<4	<4	<4	0.996J	0.863J	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/17/2016	<4	<4	<4	<4	3.52J	0.971J	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/17/2017	<4	<4	<4	<4	1.61J	0.836J	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/11/2017	<4	<4	<4	<4	1.51J	0.49J	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/23/2018					1.32J	0.516J			
Trichlorofluoromethane	75-69-4	ug/L	4/24/2018				<4			<4		
Trichlorofluoromethane	75-69-4	ug/L	4/25/2018			<4					<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/27/2018	<4	<4							
Trichlorofluoromethane	75-69-4	ug/L	10/16/2018	<4	<4	<4	<4	1.58J	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/16/2019	<4	<4	<4	<4	5.11	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/1/2019	<4	<4	<4	<4	6.01	<4	<4	<40	<4
Trichlorofluoromethane	75-69-4	ug/L	3/30/2020	<4	<4	<4	<4	<4	<4	<4	<20	<4
Trichlorofluoromethane	75-69-4	ug/L	10/7/2020	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/13/2021	<1	<1	<1	<1	3.3	<1	<1	<1	<1
Trichlorofluoromethane	75-69-4	ug/L	10/20/2021	<1	<1	<1	<1	7.9	<1	<1	<1	<1
Trichlorofluoromethane	75-69-4	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	75-69-4	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	75-69-4	ug/L	5/1/2023	<4	<4	<4	<4	<4	0.412J	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/16/2023	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	4/29/2024	<4	<4	<4	<4	<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/9/2024			<4.00				<4.00	<4.00	
Trichlorofluoromethane	75-69-4	ug/L	10/10/2024				<4.00	<4.00	<4.00			<4.00
Trichlorofluoromethane	75-69-4	ug/L	10/14/2024	<4.00	<4.00							
Trichlorofluoromethane	75-69-4	ug/L	4/28/2025			<4.00				<4.00	<4.00	<4.00
Trichlorofluoromethane	75-69-4	ug/L	4/29/2025				<4.00	<4.00	<4.00			
Trichlorofluoromethane	75-69-4	ug/L	5/8/2025	<4.00	<4.00							
Vanadium	7440-62-2	mg/L	2/27/2008	0.135	<0.05	<0.05	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	5/12/2008	<0.05	<0.05	<0.05	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	7/13/2008	<0.05	<0.05	<0.05	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	9/14/2008	<0.05	<0.05	<0.05	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	11/17/2008	<0.05	<0.05	<0.05	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	4/14/2009	<0.05	<0.05	<0.05	<0.05	<0.05				
Vanadium	7440-62-2	mg/L	7/7/2009						<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	9/2/2009						<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	10/25/2009	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	1/2/2010						<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	3/3/2010						<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	5/10/2010	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	11/1/2010	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	10/13/2011	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0514
Vanadium	7440-62-2	mg/L	4/11/2012	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	10/11/2012	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	3/30/2013	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	10/7/2013	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium	7440-62-2	mg/L	6/2/2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0074J	<0.05
Vanadium	7440-62-2	mg/L	10/15/2014	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.00768J	<0.05
Vanadium	7440-62-2	mg/L	4/6/2015	<0.005	<0.005	0.00102J; 0.000918J	<0.005	0.000679J	<0.005	0.00081J	0.00765	0.00203J
Vanadium	7440-62-2	mg/L	10/5/2015	<0.005	<0.005	0.000813J	<0.005	0.000855J	<0.005	0.000551J	0.0063	0.00212J
Vanadium	7440-62-2	mg/L	4/4/2016	0.000527J	<0.005	0.000944J	0.000424J	0.000496J	<0.005	0.000695J	0.00545	0.00204J

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Vanadium	7440-62-2	mg/L	10/17/2016	<0.005	<0.005	0.000816J	0.000392J	0.000713J	<0.005	0.000463J; 0.000435J	0.0044J	0.00173J
Vanadium	7440-62-2	mg/L	4/17/2017	<0.005	<0.005	0.000891J	<0.005	<0.005	<0.005	<0.005	0.0027J	0.0014J
Vanadium	7440-62-2	mg/L	10/11/2017	<0.005	<0.005	0.000926J	0.00356J	<0.005	<0.005	<0.005	0.00269J	0.00211J; 0.00212J
Vanadium	7440-62-2	mg/L	4/23/2018					0.000533J	<0.005			
Vanadium	7440-62-2	mg/L	4/24/2018				<0.005			0.000788J		
Vanadium	7440-62-2	mg/L	4/25/2018			0.000796J					0.00293J	0.00159J
Vanadium	7440-62-2	mg/L	4/27/2018	0.00113J	<0.005							
Vanadium	7440-62-2	mg/L	10/16/2018	0.00135J	<0.005	0.00357J	0.00442J	<0.005	0.00364J	0.00362J	0.00641	0.00294J
Vanadium	7440-62-2	mg/L	4/16/2019	0.00118J	0.00129J	0.000837J	<0.005	<0.005	<0.005	0.001J	0.00246J	0.0019J
Vanadium	7440-62-2	mg/L	10/1/2019	<0.005	<0.005	0.000902J	<0.005	<0.005	<0.005	<0.005	0.00379J	0.00195J
Vanadium	7440-62-2	mg/L	3/30/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0037J	0.00139J
Vanadium	7440-62-2	mg/L	10/7/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00277J	0.00311J
Vanadium	7440-62-2	mg/L	4/13/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Vanadium	7440-62-2	mg/L	10/20/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Vanadium	7440-62-2	mg/L	5/2/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Vanadium	7440-62-2	mg/L	10/14/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Vanadium	7440-62-2	mg/L	5/1/2023	<0.005	<0.005	0.00124J	<0.005	<0.005	<0.005	<0.005	0.00173J	0.00122J
Vanadium	7440-62-2	mg/L	10/16/2023	<0.005	<0.005	0.0011J	<0.005	<0.005	<0.005	<0.005	0.00277J	0.0022J
Vanadium	7440-62-2	mg/L	4/29/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00337J	0.00239J
Vanadium	7440-62-2	mg/L	10/9/2024			<0.00500				<0.00500	0.00158J	
Vanadium	7440-62-2	mg/L	10/10/2024				<0.00500	<0.00500	<0.00500			0.00502
Vanadium	7440-62-2	mg/L	10/14/2024	<0.00500	<0.00500							
Vanadium	7440-62-2	mg/L	4/28/2025			<0.00500				<0.0250	0.00319	0.00280
Vanadium	7440-62-2	mg/L	4/29/2025				<0.00500	0.00175	<0.00500			
Vanadium	7440-62-2	mg/L	5/8/2025	<0.00500	<0.00500							
Vinyl Acetate	108-05-4	ug/L	2/27/2008	<2	<2	<2	<2	<2				
Vinyl Acetate	108-05-4	ug/L	5/12/2008	<2.5	<2	<2	<2.5	<2.5				
Vinyl Acetate	108-05-4	ug/L	7/13/2008	<2	<2	<2	<2	<2				
Vinyl Acetate	108-05-4	ug/L	9/14/2008	<2	<2	<2	<2	<2				
Vinyl Acetate	108-05-4	ug/L	11/17/2008	<2	<2	<2	<2	<2				
Vinyl Acetate	108-05-4	ug/L	4/14/2009	<2	<2	<2	<2	<2				
Vinyl Acetate	108-05-4	ug/L	7/7/2009						<2	<2	<40	<2
Vinyl Acetate	108-05-4	ug/L	9/2/2009						<2	<2	<20	<2
Vinyl Acetate	108-05-4	ug/L	10/25/2009	<2	<2	<2	<2	<2	<2	<2	<20	<2
Vinyl Acetate	108-05-4	ug/L	1/2/2010						<2	<2	<20	<2
Vinyl Acetate	108-05-4	ug/L	3/3/2010						<2	<2	<2	<2
Vinyl Acetate	108-05-4	ug/L	5/10/2010	<2	<2	<2	<2	<2	<2	<2	<10	<2
Vinyl Acetate	108-05-4	ug/L	11/1/2010	<2	<2	<2	<2	<2	<2	<2	<10	<2
Vinyl Acetate	108-05-4	ug/L	10/13/2011	<2	<10	<2	<2	<50	<50	<2	<10	<2
Vinyl Acetate	108-05-4	ug/L	4/11/2012	<20	<20	<20	<20	<20	<20	<2	<200	<20
Vinyl Acetate	108-05-4	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<2
Vinyl Acetate	108-05-4	ug/L	3/30/2013	<2	<2	<2	<2	<2	<2	<2	<7.4	<2
Vinyl Acetate	108-05-4	ug/L	10/7/2013		<2	<2	<2	<2	<2	<2		<2
Vinyl Acetate	108-05-4	ug/L	6/2/2014	<2	<2	<2	<2	<2	<2	<2	<2	<2
Vinyl Acetate	108-05-4	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<100	<10
Vinyl Acetate	108-05-4	ug/L	4/6/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/5/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/4/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/17/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/17/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/11/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/23/2018					<10	<10			
Vinyl Acetate	108-05-4	ug/L	4/24/2018				<10			<10		
Vinyl Acetate	108-05-4	ug/L	4/25/2018			<10					<10	<10
Vinyl Acetate	108-05-4	ug/L	4/27/2018	<10	<10							
Vinyl Acetate	108-05-4	ug/L	10/16/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/16/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<100	<10
Vinyl Acetate	108-05-4	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<50	<10
Vinyl Acetate	108-05-4	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	108-05-4	ug/L	10/20/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	108-05-4	ug/L	5/2/2022	<5	<5	<5	<5	<5	<5	<5	<5	<5

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Vinyl Acetate	108-05-4	ug/L	10/14/2022	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	108-05-4	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/16/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	4/29/2024	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride	75-01-4	ug/L	2/27/2008	<1	<1	<1	<1	7.65				
Vinyl Chloride	75-01-4	ug/L	5/12/2008	<1	<1	<1	<1	2.81				
Vinyl Chloride	75-01-4	ug/L	7/13/2008	<1	<1	<1	<1	3.28				
Vinyl Chloride	75-01-4	ug/L	9/14/2008	<1	<1	<1	<1	11				
Vinyl Chloride	75-01-4	ug/L	11/17/2008	<1	<1	<1	<1	9.47				
Vinyl Chloride	75-01-4	ug/L	4/14/2009	<1	<1	<1	<1	7.62				
Vinyl Chloride	75-01-4	ug/L	7/7/2009					6.43	2.63; 1.58	<1	<20	<1
Vinyl Chloride	75-01-4	ug/L	9/2/2009					5.57	<1	<1	<10	<1
Vinyl Chloride	75-01-4	ug/L	10/25/2009	<1	<1	<1	<1	7.37	1.29	<1	<10	<1
Vinyl Chloride	75-01-4	ug/L	1/2/2010					8.79	1.53	<1	<10	<1
Vinyl Chloride	75-01-4	ug/L	3/3/2010						1.73	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	5/10/2010	<1	<1	<1	<1	4.23	1.69	<1	<5	<1
Vinyl Chloride	75-01-4	ug/L	7/8/2010						1.23			
Vinyl Chloride	75-01-4	ug/L	9/13/2010						4.68			
Vinyl Chloride	75-01-4	ug/L	11/1/2010	<1	<1	<1	<1	8.24	2.3	<1	<5	<1
Vinyl Chloride	75-01-4	ug/L	1/10/2011						1.12			
Vinyl Chloride	75-01-4	ug/L	4/4/2011					6.76	1.34			
Vinyl Chloride	75-01-4	ug/L	10/13/2011	<1	<1	<1	<1	8.63	2.3	<1	<5	<1
Vinyl Chloride	75-01-4	ug/L	4/11/2012	<1	<1	<1	<1	3.58	<1	<1	<10	<1
Vinyl Chloride	75-01-4	ug/L	10/11/2012	<1	<1	<1	<1	9.74	1.21	<1	<10	<1
Vinyl Chloride	75-01-4	ug/L	3/30/2013	<1	<1	<1	<1	5.97	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/7/2013		<1	<1	<1	7.56; 7.7	1.39	<1		<1
Vinyl Chloride	75-01-4	ug/L	6/2/2014	<1	<1	<1	<1	6.32	0.395J	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/15/2014	<1	<1	<1	<1	4.34	0.262J	<1	<10	<1
Vinyl Chloride	75-01-4	ug/L	4/6/2015	<1	<1	<1	0.296J	6.09	0.177J	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/5/2015	<1	<1	<1	0.159J	8.59	0.333J	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/4/2016	<1	<1	<1	<1	4.46	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/17/2016	<1	<1	<1	<1	8.27	0.532J	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/17/2017	<1	<1	<1	<1	6.21	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/11/2017	<1	<1	<1	0.145J	6	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/23/2018					4.81	0.173J			
Vinyl Chloride	75-01-4	ug/L	4/24/2018				<1			<1		
Vinyl Chloride	75-01-4	ug/L	4/25/2018			<1					<1	<1
Vinyl Chloride	75-01-4	ug/L	4/27/2018	<1	<1							
Vinyl Chloride	75-01-4	ug/L	10/16/2018	<1	<1	<1	<1	6.36	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/16/2019	<1	<1	<1	<1	4.48	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/1/2019	<1	<1	<1	<1	5.89	0.645J	<1	<10	<1
Vinyl Chloride	75-01-4	ug/L	3/30/2020	<1	<1	<1	<1	3.32	<1	<1	<5	<1
Vinyl Chloride	75-01-4	ug/L	10/7/2020	<1	<1	<1	<1	2.56	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/13/2021	<1	<1	<1	<1	2	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/20/2021	<1	<1	<1	<1	3.4	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	5/2/2022	<1	<1	<1	<1	2.9	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/14/2022	<1	<1	<1	<1	1.7	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	5/1/2023	<1	<1	<1	<1	2.28	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/16/2023	<1	<1	<1	<1	2.39	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	4/29/2024	<1	<1	<1	<1	2.46	<1	<1	<1	<1
Vinyl acetate	108-05-4	ug/L	10/9/2024			<10.0				<10.0	<10.0	
Vinyl acetate	108-05-4	ug/L	10/10/2024				<10.0	<10.0	<10.0			<10.0
Vinyl acetate	108-05-4	ug/L	10/14/2024	<10.0	<10.0							
Vinyl acetate	108-05-4	ug/L	4/28/2025			<10.0				<10.0	<10.0	<10.0
Vinyl acetate	108-05-4	ug/L	4/29/2025				<10.0	<10.0	<10.0			
Vinyl acetate	108-05-4	ug/L	5/8/2025	<10.0	<10.0							
Vinyl chloride	75-01-4	ug/L	10/9/2024			<1.00				<1.00	<1.00	
Vinyl chloride	75-01-4	ug/L	10/10/2024				<1.00	2.64	<1.00			<1.00
Vinyl chloride	75-01-4	ug/L	10/14/2024	<1.00	<1.00							
Vinyl chloride	75-01-4	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
Vinyl chloride	75-01-4	ug/L	4/29/2025				<1.00	0.489	<1.00			
Vinyl chloride	75-01-4	ug/L	5/8/2025	<1.00	<1.00							
Xylenes, Total	1330-20-7	ug/L	2/27/2008	<3	<3	<3	<3	<3				

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Xylenes, Total	1330-20-7	ug/L	5/12/2008	<3	<3	<3	<3	<3				
Xylenes, Total	1330-20-7	ug/L	7/13/2008	<3	<3	<3	<3	<3				
Xylenes, Total	1330-20-7	ug/L	9/14/2008	<3	<3	<3	<3	<3				
Xylenes, Total	1330-20-7	ug/L	11/17/2008	<3	<3	<3	<3	<3				
Xylenes, Total	1330-20-7	ug/L	4/14/2009	<3	<3	<3	<3	<3				
Xylenes, Total	1330-20-7	ug/L	7/7/2009						<3	<3	<60	<3
Xylenes, Total	1330-20-7	ug/L	9/2/2009						<3	<3	<30	<3
Xylenes, Total	1330-20-7	ug/L	10/25/2009	<6	<3	<6	<6	<6	<6	<6	<60	<4
Xylenes, Total	1330-20-7	ug/L	1/2/2010						<3	<3	<30	<6
Xylenes, Total	1330-20-7	ug/L	3/3/2010						<3	<3	14.8	<3
Xylenes, Total	1330-20-7	ug/L	5/10/2010	<6	<12	<12	<12	<12	<12	<12	<60	<12
Xylenes, Total	1330-20-7	ug/L	11/1/2010	<3	<3	<3	<3	<3	<3	<3	22.6	<3
Xylenes, Total	1330-20-7	ug/L	10/13/2011	<3	<3	<3	<3	<3	<3	<3	20	<3
Xylenes, Total	1330-20-7	ug/L	4/11/2012	<3	<3	<3	<3	<3	<3	<3	<30	<3
Xylenes, Total	1330-20-7	ug/L	10/11/2012	<3	<3	<3	<3	<3	<3	<3	<30	<3
Xylenes, Total	1330-20-7	ug/L	3/30/2013	<3	<3	<3	<3	<3	<3	<3	12.8	<3
Xylenes, Total	1330-20-7	ug/L	10/7/2013		<3	<3	<3	<3	<3	<3		<3
Xylenes, Total	1330-20-7	ug/L	6/2/2014	<3	<3	<3	<3	<3	<3	<3	11	<3
Xylenes, Total	1330-20-7	ug/L	10/15/2014	<3	<3	<3	<3	<3	<3	<3	13.6J	<3
Xylenes, Total	1330-20-7	ug/L	4/6/2015	<3	<3	<3	<3	<3	<3	<3	14.7	<3
Xylenes, Total	1330-20-7	ug/L	10/5/2015	<3	<3	<3	<3	<3	<3	<3	18.8	<3
Xylenes, Total	1330-20-7	ug/L	4/4/2016	<3	<3	<3	<3	<3	<3	<3	15.4	<3
Xylenes, Total	1330-20-7	ug/L	10/17/2016	<3	<3	<3	<3	<3	<3	<3	17	<3
Xylenes, Total	1330-20-7	ug/L	4/17/2017	<3	<3	<3	<3	<3	<3	<3	14.6	<3
Xylenes, Total	1330-20-7	ug/L	10/11/2017	<3	<3	<3	<3	<3	<3	<3	21.4	<3
Xylenes, Total	1330-20-7	ug/L	4/23/2018					<3	<3			
Xylenes, Total	1330-20-7	ug/L	4/24/2018				<3			<3		
Xylenes, Total	1330-20-7	ug/L	4/25/2018			<3					15	<3
Xylenes, Total	1330-20-7	ug/L	4/27/2018	<3	<3							
Xylenes, Total	1330-20-7	ug/L	10/16/2018	<3	<3	<3	<3	<3	<3	<3	15.5	<3
Xylenes, Total	1330-20-7	ug/L	4/16/2019	<3	<3	<3	<3	<3	<3	0.415J	13.6	<3
Xylenes, Total	1330-20-7	ug/L	10/1/2019	<3	<3	<3	<3	<3	<3	<3	8.74J	<3
Xylenes, Total	1330-20-7	ug/L	3/30/2020	<3	<3	<3	<3	<3	<3	<3	12.1J	<3
Xylenes, Total	1330-20-7	ug/L	10/7/2020	<3	<3	<3	<3	<3	<3	<3	10.5	<3
Xylenes, Total	1330-20-7	ug/L	4/13/2021	<2	<2	<2	<2	<2	<2	<2	11	<2
Xylenes, Total	1330-20-7	ug/L	10/20/2021	<2	<2	<2	<2	<2	<2	<2	11.2	<2
Xylenes, Total	1330-20-7	ug/L	5/2/2022	<2	<2	<2	<2	<2	<2	<2	8.9	<2
Xylenes, Total	1330-20-7	ug/L	10/14/2022	<2	<2	<2	<2	<2	<2	<2	10.4	<2
Xylenes, Total	1330-20-7	ug/L	5/1/2023	<3	<3	<3	<3	<3	<3	<3	6.06	<3
Xylenes, Total	1330-20-7	ug/L	10/16/2023	<3	<3	<3	<3	<3	<3	<3	8.82	<3
Xylenes, Total	1330-20-7	ug/L	4/29/2024	<3	<3	<3	<3	<3	<3	<3	4.68	<3
Xylenes, Total	1330-20-7	ug/L	10/9/2024			<3.00				<3.00	8.58	
Xylenes, Total	1330-20-7	ug/L	10/10/2024				<3.00	<3.00	<3.00			<3.00
Xylenes, Total	1330-20-7	ug/L	10/14/2024	<3.00	<3.00							
Xylenes, Total	1330-20-7	ug/L	4/28/2025			<3.00				<3.00	4.57	<3.00
Xylenes, Total	1330-20-7	ug/L	4/29/2025				<3.00	<3.00	<3.00			
Xylenes, Total	1330-20-7	ug/L	5/8/2025	<3.00	<3.00							
Zinc	7440-66-6	mg/L	2/27/2008	0.229	<0.1	<0.1	<0.1	<0.1				
Zinc	7440-66-6	mg/L	5/12/2008	<0.1	<0.1	<0.1	<0.1	<0.1				
Zinc	7440-66-6	mg/L	7/13/2008	0.121	<0.1	<0.1	<0.1	<0.1				
Zinc	7440-66-6	mg/L	9/14/2008	<0.1	<0.1	<0.1	0.117	<0.1				
Zinc	7440-66-6	mg/L	11/17/2008	0.0659	0.0271	0.0272	0.0353	0.077				
Zinc	7440-66-6	mg/L	4/14/2009	<0.1	<0.1	<0.1	<0.1	<0.1				
Zinc	7440-66-6	mg/L	7/7/2009						<0.1	<0.1	<0.1	<0.1
Zinc	7440-66-6	mg/L	9/2/2009						<0.1	<0.1	<0.1	<0.1
Zinc	7440-66-6	mg/L	10/25/2009	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc	7440-66-6	mg/L	1/2/2010						<0.1	<0.1	<0.1	<0.1
Zinc	7440-66-6	mg/L	3/3/2010						<0.1	<0.1	<0.1	<0.1
Zinc	7440-66-6	mg/L	5/10/2010	<0.02	0.023	0.044	0.0339	0.0374	0.0494	0.0248	<0.1	0.0372
Zinc	7440-66-6	mg/L	7/8/2010						<0.1	<0.1		<0.1
Zinc	7440-66-6	mg/L	9/13/2010						<0.1	<0.1		<0.1
Zinc	7440-66-6	mg/L	11/1/2010						<0.1	<0.1	<0.1	<0.1
Zinc	7440-66-6	mg/L	1/10/2011						0.152	0.0302		

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
Zinc	7440-66-6	mg/L	4/4/2011						<0.1	<0.1	<0.1	<0.1
Zinc	7440-66-6	mg/L	10/13/2011	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	0.148
Zinc	7440-66-6	mg/L	4/11/2012	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0368	<0.06	0.0282
Zinc	7440-66-6	mg/L	10/11/2012	<0.02	0.0244	<0.02	<0.02	<0.02	<0.02	<0.02	<0.04	0.0531
Zinc	7440-66-6	mg/L	3/30/2013	0.0596	0.037	0.0653	0.0439	0.0544	0.0572	0.0445	0.072	0.0733
Zinc	7440-66-6	mg/L	10/7/2013	0.12	0.123	0.175; 0.184	0.122	0.0971; 0.11	0.14	0.114	0.161	0.128
Zinc	7440-66-6	mg/L	6/2/2014	<0.08	<0.08	<0.02	<0.02	<0.06	<0.02	<0.02	<0.06	<0.02
Zinc	7440-66-6	mg/L	10/15/2014	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	4/6/2015	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	7440-66-6	mg/L	10/5/2015	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00938J	<0.01
Zinc	7440-66-6	mg/L	4/4/2016	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	7440-66-6	mg/L	10/17/2016	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	7440-66-6	mg/L	4/17/2017	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/11/2017	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	4/23/2018					<0.02	<0.02			
Zinc	7440-66-6	mg/L	4/24/2018				<0.02			<0.02		
Zinc	7440-66-6	mg/L	4/25/2018			<0.02					<0.02	0.0188J
Zinc	7440-66-6	mg/L	4/27/2018	<0.02	<0.02							
Zinc	7440-66-6	mg/L	10/16/2018	<0.02	<0.02	<0.02	0.0104J	<0.02	<0.02	0.00722J	0.00893J	0.0238
Zinc	7440-66-6	mg/L	4/16/2019	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/1/2019	0.0345; <0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0126J
Zinc	7440-66-6	mg/L	3/30/2020	0.272	0.0122J	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/7/2020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0558	<0.02
Zinc	7440-66-6	mg/L	4/13/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/20/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	5/2/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/14/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	5/1/2023	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/16/2023	0.0102J	<0.02	<0.02	<0.02	<0.02	0.00785J	<0.02	<0.02	0.00919J
Zinc	7440-66-6	mg/L	4/29/2024	0.0104J	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/9/2024			<0.0200				<0.0200	<0.0200	
Zinc	7440-66-6	mg/L	10/10/2024				<0.0200	<0.0200	<0.0200			<0.0200
Zinc	7440-66-6	mg/L	10/14/2024	<0.0200	<0.0200							
Zinc	7440-66-6	mg/L	4/28/2025			<0.0200				<0.100	<0.0200	<0.0200
Zinc	7440-66-6	mg/L	4/29/2025				<0.0200	<0.0200	<0.0200			
Zinc	7440-66-6	mg/L	5/8/2025	<0.0200	<0.0200							
alpha-BHC	319-84-6	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
alpha-BHC	319-84-6	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
alpha-BHC	319-84-6	ug/L	5/8/2025	<0.0911	<0.0902							
beta-BHC	319-85-7	ug/L	10/9/2024								<0.0967	
beta-BHC	319-85-7	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
beta-BHC	319-85-7	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
beta-BHC	319-85-7	ug/L	5/8/2025	<0.0911	<0.0902							
bis (2-chloroisopropyl) ether	108-60-1	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
bis (2-chloroisopropyl) ether	108-60-1	ug/L	4/29/2025				<10.0	<10.0	<10.0			
bis (2-chloroisopropyl) ether	108-60-1	ug/L	5/8/2025	<10.0	<10.9							
cis-1,2-Dichloroethene	156-59-2	ug/L	2/27/2008	<1	<1	<1	<1	7.42				
cis-1,2-Dichloroethene	156-59-2	ug/L	5/12/2008	<1	<1	<1	<1	3.14				
cis-1,2-Dichloroethene	156-59-2	ug/L	7/13/2008	<1	<1	<1	<1	4.26				
cis-1,2-Dichloroethene	156-59-2	ug/L	9/14/2008	<1	<1	<1	<1	8.62				
cis-1,2-Dichloroethene	156-59-2	ug/L	11/17/2008	<1	<1	<1	<1	8.72				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/14/2009	<1	<1	<1	<1	7.96				
cis-1,2-Dichloroethene	156-59-2	ug/L	7/7/2009						16.4; 11.8	<1	<20	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	9/2/2009					6.41	12.7	<1	<10	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/25/2009	<1	<1	<1	<1	7.42	17.6	<1	<10	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	1/2/2010					7.19	16.7	<1	<10	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	3/3/2010						20.1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	5/10/2010	<1	<1	<1	<1	5.33	18	<1	<5	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	7/8/2010						17.5			
cis-1,2-Dichloroethene	156-59-2	ug/L	9/13/2010						23.4			
cis-1,2-Dichloroethene	156-59-2	ug/L	11/1/2010	<1	<1	<1	<1	7.63	21.4	<1	<5	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	1/10/2011						15.8			
cis-1,2-Dichloroethene	156-59-2	ug/L	4/4/2011					6.69	15.4			

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
cis-1,2-Dichloroethene	156-59-2	ug/L	10/13/2011	<1	<1	<1	<1	7.28	17.2	<1	<5	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/11/2012	<1	<1	<1	<1	4.66	13.4	<1	<10	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/11/2012	<1	<1	<1	<1	8.81	15	<1	<10	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	3/30/2013	<1	<1	<1	<1	6.11	11.4	<1	<1.3	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/7/2013		<1	<1	<1	6.18; 6.8	11.9	<1		<1
cis-1,2-Dichloroethene	156-59-2	ug/L	6/2/2014	<1	<1	<1	<1	6.77	10.2	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/15/2014	<1	<1	<1	<1	5.47	13.1	<1	<10	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/6/2015	<1	<1	<1	<1	5.28	8.77	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/5/2015	<1	<1	<1	<1	8.19	9.92	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/4/2016	<1	<1	<1	<1	4.31	6.94	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/17/2016	<1	<1	<1	0.179J	6.83	9.15	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/17/2017	<1	<1	<1	<1	4.14	6.33	<1	0.132J	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/11/2017	<1	<1	<1	<1	6.11	5.23	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/23/2018					5.32	5.42			
cis-1,2-Dichloroethene	156-59-2	ug/L	4/24/2018				<1			<1		
cis-1,2-Dichloroethene	156-59-2	ug/L	4/25/2018			<1					<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/27/2018	<1	<1							
cis-1,2-Dichloroethene	156-59-2	ug/L	10/16/2018	<1	<1	<1	<1	5.55	4.88	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/16/2019	<1	<1	<1	<1	5.38	3.35	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/1/2019	<1	<1	<1	<1	5.95	5.34	<1	<10	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	3/30/2020	<1	<1	<1	<1	4.78	3.16	<1	<5	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/7/2020	<1	<1	<1	<1	5.39	4.19	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/13/2021	<1	<1	<1	<1	3.6	2.4	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/20/2021	<1	<1	<1	<1	5.8	3.1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	5/2/2022	<1	<1	<1	<1	5	2.2	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/14/2022	<1	<1	<1	<1	5.4	2	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	5/1/2023	<1	<1	<1	<1	6.39	1.96	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/16/2023	<1	<1	<1	<1	6.95	1.91	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	4/29/2024	<1	<1	<1	<1	7.46	1.46	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/9/2024			<1.00				<1.00	<1.00	
cis-1,2-Dichloroethene	156-59-2	ug/L	10/10/2024				<1.00	7.34	0.504J			<1.00
cis-1,2-Dichloroethene	156-59-2	ug/L	10/14/2024	<1.00	<1.00							
cis-1,2-Dichloroethene	156-59-2	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
cis-1,2-Dichloroethene	156-59-2	ug/L	4/29/2025				<1.00	3.45	<1.00			
cis-1,2-Dichloroethene	156-59-2	ug/L	5/8/2025	<1.00	<1.00							
cis-1,3-Dichloropropene	10061-01-5	ug/L	2/27/2008	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/12/2008	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	7/13/2008	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	9/14/2008	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	11/17/2008	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/14/2009	<5	<5	<5	<5	<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	7/7/2009						<5	<5	<100	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	9/2/2009						<5	<5	<50	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/25/2009	<5	<5	<5	<5	<5	<5	<5	<50	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	1/2/2010						<5	<5	<50	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/3/2010						<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/10/2010	<5	<5	<5	<5	<5	<5	<5	<25	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	11/1/2010	<5	<5	<5	<5	<5	<5	<5	<25	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/13/2011	<5	<5	<5	<5	<5	<5	<5	<25	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/11/2012	<5	<5	<5	<5	<5	<5	<5	<50	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/11/2012	<5	<5	<5	<5	<5	<5	<5	<50	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/30/2013	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/7/2013		<5	<5	<5	<5	<5	<5		<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	6/2/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<50	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/6/2015	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/5/2015	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/4/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/17/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/17/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/11/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/23/2018					<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/24/2018				<5			<5		

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/25/2018			<5					<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/27/2018	<5	<5							
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/16/2018	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/16/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<50	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<25	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/16/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/29/2024	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/9/2024			<5.00				<5.00	<5.00	
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/10/2024				<5.00	<5.00	<5.00			<5.00
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/14/2024	<5.00	<5.00							
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/28/2025			<5.00				<5.00	<5.00	<5.00
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/29/2025				<5.00	<5.00	<5.00			
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/8/2025	<5.00	<5.00							
delta-BHC	319-86-8	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
delta-BHC	319-86-8	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
delta-BHC	319-86-8	ug/L	5/8/2025	<0.0911	<0.0902							
gamma-BHC (Lindane)	58-89-9	ug/L	4/28/2025			<0.0907				<0.0902	<0.0907	<0.0895
gamma-BHC (Lindane)	58-89-9	ug/L	4/29/2025				<0.0895	<0.0904	<0.0900			
gamma-BHC (Lindane)	58-89-9	ug/L	5/8/2025	<0.0911	<0.0902							
m/p-Cresol	T-34MP	ug/L	4/14/2009	<10	<10	<10	<50	<10				
m/p-Cresol	T-34MP	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
m/p-Cresol	T-34MP	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
m/p-Cresol	T-34MP	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
o,o',o''-Triethylphosphorothioate	126-68-1	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
o,o',o''-Triethylphosphorothioate	126-68-1	ug/L	4/29/2025				<10.0	<10.0	<10.0			
o,o',o''-Triethylphosphorothioate	126-68-1	ug/L	5/8/2025	<10.0	<10.9							
o-Toluidine	95-53-4	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
o-Toluidine	95-53-4	ug/L	4/29/2025				<10.0	<10.0	<10.0			
o-Toluidine	95-53-4	ug/L	5/8/2025	<10.0	<10.9							
p-Chloroaniline	106-47-8	ug/L	4/14/2009	<10	<10	<10	<50	<10				
p-Chloroaniline	106-47-8	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<10	<10
p-Chloroaniline	106-47-8	ug/L	10/5/2015	<10	<10.4	<10	<10.3	<10.5	<10.2	<10	<10	<10
p-Chloroaniline	106-47-8	ug/L	3/30/2020	<11.5	<11.8	<10.1	<10.3	<10.4	<10.2	<10.1	<10.6	<10.1
p-Dimethylamino azobenzene	60-11-7	ug/L	4/28/2025			<10.2				<10.6	<10.4	<10.6
p-Dimethylamino azobenzene	60-11-7	ug/L	4/29/2025				<10.0	<10.0	<10.0			
p-Dimethylamino azobenzene	60-11-7	ug/L	5/8/2025	<10.0	<10.9							
trans-1,2-Dichloroethene	156-60-5	ug/L	2/27/2008	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	5/12/2008	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	7/13/2008	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	9/14/2008	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	11/17/2008	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/14/2009	<1	<1	<1	<1	<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	7/7/2009					<1	<1; 1.08	<1	<20	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	9/2/2009						<1	<1	<10	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/25/2009	<1	<1	<1	<1	<1	<1	<1	<10	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	1/2/2010						<1	<1	<10	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	3/3/2010						1.01	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	5/10/2010	<1	<1	<1	<1	<1	1.11	<1	<5	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	7/8/2010						<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	9/13/2010						1.35			
trans-1,2-Dichloroethene	156-60-5	ug/L	11/1/2010	<1	<1	<1	<1	<1	1.09	<1	<5	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	1/10/2011						<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	4/4/2011						<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	10/13/2011	<1	<1	<1	<1	<1	<1	<1	<5	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/11/2012	<1	<1	<1	<1	<1	<1	<1	<10	<1

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
trans-1,2-Dichloroethene	156-60-5	ug/L	3/30/2013	<1	<1	<1	<1	<1	<1	<1	<2.1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/7/2013		<1	<1	<1	<1	<1	<1		<1
trans-1,2-Dichloroethene	156-60-5	ug/L	6/2/2014	<1	<1	<1	<1	<1	0.597J	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/15/2014	<1	<1	<1	<1	<1	<1	<1	<10	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/6/2015	<1	<1	<1	<1	0.336J	0.326J	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/5/2015	<1	<1	<1	<1	<1	0.338J	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/4/2016	<1	<1	<1	<1	<1	0.325J	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/17/2016	<1	<1	<1	<1	0.524J	0.461J	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/17/2017	<1	<1	<1	<1	0.346J	0.429J	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/11/2017	<1	<1	<1	<1	0.347J	0.281J	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/23/2018					0.33J	0.322J			
trans-1,2-Dichloroethene	156-60-5	ug/L	4/24/2018				<1			<1		
trans-1,2-Dichloroethene	156-60-5	ug/L	4/25/2018			<1					<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/27/2018	<1	<1							
trans-1,2-Dichloroethene	156-60-5	ug/L	10/16/2018	<1	<1	<1	<1	0.271J	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/16/2019	<1	<1	<1	<1	0.303J	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/1/2019	<1	<1	<1	<1	0.307J	0.431J	<1	<10	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	3/30/2020	<1	<1	<1	<1	<1	<1	<1	<5	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/7/2020	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/20/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	5/2/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	5/1/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/16/2023	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/29/2024	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/9/2024			<1.00				<1.00	<1.00	
trans-1,2-Dichloroethene	156-60-5	ug/L	10/10/2024				<1.00	<1.00	<1.00			<1.00
trans-1,2-Dichloroethene	156-60-5	ug/L	10/14/2024	<1.00	<1.00							
trans-1,2-Dichloroethene	156-60-5	ug/L	4/28/2025			<1.00				<1.00	<1.00	<1.00
trans-1,2-Dichloroethene	156-60-5	ug/L	4/29/2025				<1.00	<1.00	<1.00			
trans-1,2-Dichloroethene	156-60-5	ug/L	5/8/2025	<1.00	<1.00							
trans-1,3-Dichloropropene	10061-02-6	ug/L	2/27/2008	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/12/2008	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	7/13/2008	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	9/14/2008	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	11/17/2008	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/14/2009	<5	<5	<5	<5	<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	7/7/2009						<5	<5	<100	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	9/2/2009						<5	<5	<50	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/25/2009	<5	<10	<5	<5	<5	<5	<5	<50	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	1/2/2010						<10	<10	<100	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/3/2010						<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/10/2010	<5	<5	<5	<5	<5	<5	<5	<25	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	11/1/2010	<10	<5	<10	<10	<10	<10	<10	<25	<10
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/13/2011	<5	<5	<5	<5	<5	<5	<5	<25	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/11/2012	<5	<5	<5	<5	<5	<5	<5	<50	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/11/2012	<5	<5	<5	<5	<5	<5	<5	<50	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/30/2013	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/7/2013		<5	<5	<5	<5	<5	<5		<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	6/2/2014	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/15/2014	<5	<5	<5	<5	<5	<5	<5	<50	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/6/2015	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/5/2015	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/4/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/17/2016	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/17/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/11/2017	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/23/2018					<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/24/2018				<5			<5		
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/25/2018			<5					<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/27/2018	<5	<5							
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/16/2018	<5	<5	<5	<5	<5	<5	<5	<5	<5

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/16/2019	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/1/2019	<5	<5	<5	<5	<5	<5	<5	<50	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/30/2020	<5	<5	<5	<5	<5	<5	<5	<25	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/7/2020	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/13/2021	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/20/2021	0.4J	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/2/2022	<1	<1	<1	0.4J	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/14/2022	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/1/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/16/2023	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/29/2024	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/9/2024			<5.00				<5.00	<5.00	
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/10/2024				<5.00	<5.00	<5.00			<5.00
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/14/2024	<5.00	<5.00							
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/28/2025			<5.00				<5.00	<5.00	<5.00
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/29/2025				<5.00	<5.00	<5.00			
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/8/2025	<5.00	<5.00							
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	2/27/2008	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/12/2008	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	7/13/2008	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	9/14/2008	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	11/17/2008	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/14/2009	<10	<10	<10	<10	<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	7/7/2009						<10	<10	<200	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	9/2/2009						<10	<10	<100	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/25/2009	<10	<10	<10	<10	<10	<10	<10	<100	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	1/2/2010						<10	<10	<100	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/3/2010						<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/10/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	11/1/2010	<10	<10	<10	<10	<10	<10	<10	<50	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/13/2011	<10	<10	<10	<10	<10	<10	<10	<50	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/11/2012	<20	<20	<20	<20	<10	<20	<10	<200	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/11/2012	<10	<10	<10	<10	<10	<10	<10	<100	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/30/2013	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/7/2013		<10	<10	<10	<10	<10	<10		<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	6/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/15/2014	<10	<10	<10	<10	<10	<10	<10	<100	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/6/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/5/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/4/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/17/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/17/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/11/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/23/2018					<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/24/2018				<10			<10		
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/25/2018			<10					<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/27/2018	<10	<10							
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/16/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/16/2019	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/1/2019	<10	<10	<10	<10	<10	<10	<10	<100	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/30/2020	<10	<10	<10	<10	<10	<10	<10	<50	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/7/2020	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/13/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/20/2021	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/2/2022	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/14/2022	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/1/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/16/2023	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/29/2024	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	10/9/2024			<10.0				<10.0	<10.0	
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	10/10/2024				<10.0	<10.0	<10.0			<10.0
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	10/14/2024	<10.0	<10.0							
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	4/28/2025			<10.0				<10.0	<10.0	<10.0

Table 9A
Analytical Data Summary - Source Characterization Wells
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	MW-1A	MW-2A-97	MW-6B	MW-11B	MW-16A	MW-206A	MW-207A	MW-209B	MW-212A
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	4/29/2025				<10.0	<10.0	<10.0			
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	5/8/2025	<10.0	<10.0							

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/14/2009	<1	<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	7/7/2009		<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	9/2/2009		<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/25/2009	<2	<2	<2			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/3/2010	<2	<2	<2			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/10/2010	<4	<4	<4			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	7/8/2011		<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	8/11/2011		<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/13/2011		<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/11/2012		<1	<1	<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	8/1/2012		<1	<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/11/2012			<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	12/13/2012				<25		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/30/2013	<1			<1		
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/5/2015			<10			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/4/2016			<1			
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/17/2016		<1				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/17/2017					<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/11/2017		<1	<1	<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/15/2018		<1	<1	<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/26/2018		<1	<1	<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/16/2018		<1	<1	<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/16/2019		<1	<1	<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/1/2019		<1	<1	<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/30/2020		<1	<1	<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/7/2020		<1	<1	<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/13/2021		<1	<1	<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/20/2021		<1	<1	<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/2/2022		<1	<1	<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5/1/2023		<1	<1	<1	<1	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	8/1/2023			<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/16/2023		<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	12/20/2023						<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	3/20/2024						<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/29/2024		<1	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	2/25/2025						<1.00
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	71-55-6	ug/L	4/14/2009	<1	<1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	7/7/2009		<1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	9/2/2009		<1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	10/25/2009	<1	<1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	3/3/2010	<1	<1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	5/10/2010	<4	<4	<4			
1,1,1-Trichloroethane	71-55-6	ug/L	7/8/2011		<1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	8/11/2011		<1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	10/13/2011		<1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	4/11/2012		<1	<1	<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	8/1/2012		<1	<1			
1,1,1-Trichloroethane	71-55-6	ug/L	10/11/2012			<1			
1,1,1-Trichloroethane	71-55-6	ug/L	12/13/2012				<25		
1,1,1-Trichloroethane	71-55-6	ug/L	3/30/2013	<1			<1		
1,1,1-Trichloroethane	71-55-6	ug/L	10/5/2015			<10			
1,1,1-Trichloroethane	71-55-6	ug/L	4/4/2016			<1			
1,1,1-Trichloroethane	71-55-6	ug/L	10/17/2016		<1				
1,1,1-Trichloroethane	71-55-6	ug/L	4/17/2017					<1	
1,1,1-Trichloroethane	71-55-6	ug/L	10/11/2017		<1	<1	<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	3/15/2018		<1	<1	<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	4/26/2018		<1	<1	<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	10/16/2018		<1	<1	<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	4/16/2019		<1	<1	<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	10/1/2019		<1	<1	<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	3/30/2020		<1	<1	<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	10/7/2020		<1	<1	<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	4/13/2021		<1	<1	<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	10/20/2021		<1	<1	<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	5/2/2022		<1	<1	<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	5/1/2023		<1	<1	<1	<1	
1,1,1-Trichloroethane	71-55-6	ug/L	8/1/2023			<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/16/2023		<1	<1	<1	<1	<1

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
1,1,1-Trichloroethane	71-55-6	ug/L	12/20/2023						<1
1,1,1-Trichloroethane	71-55-6	ug/L	3/20/2024						<1
1,1,1-Trichloroethane	71-55-6	ug/L	4/29/2024		<1	<1	<1	<1	<1
1,1,1-Trichloroethane	71-55-6	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-Trichloroethane	71-55-6	ug/L	2/25/2025						<1.00
1,1,1-Trichloroethane	71-55-6	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/14/2009	<1	<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	7/7/2009		<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	9/2/2009		<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/25/2009	<2	<2	<2			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/3/2010	<2	<2	<2			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/10/2010	<1	<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	7/8/2011		<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	8/11/2011		<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/13/2011		<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/11/2012		<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	8/1/2012		<1	<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/11/2012			<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	12/13/2012				<25		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/30/2013	<1			<1		
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/5/2015			<10			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/4/2016			<1			
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/17/2016		<1				
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/17/2017					<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/11/2017		<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/15/2018		<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/26/2018		<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/16/2018		<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/16/2019		<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/1/2019		<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/30/2020		<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/7/2020		<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/13/2021		<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/20/2021		<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/2/2022		<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5/1/2023		<1	<1	<1	<1	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	8/1/2023			<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/16/2023		<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	12/20/2023						<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	3/20/2024						<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/29/2024		<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	2/25/2025						<1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	79-00-5	ug/L	4/14/2009	<1	<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	7/7/2009		<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	9/2/2009		<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	10/25/2009	<2	<2	<2			
1,1,2-Trichloroethane	79-00-5	ug/L	3/3/2010	<1	<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	5/10/2010	<1	<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	7/8/2011		<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	8/11/2011		<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	10/13/2011		<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	4/11/2012		<1	<1	<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	8/1/2012		<1	<1			
1,1,2-Trichloroethane	79-00-5	ug/L	10/11/2012			<1			
1,1,2-Trichloroethane	79-00-5	ug/L	12/13/2012				<25		
1,1,2-Trichloroethane	79-00-5	ug/L	3/30/2013	<1			<1		
1,1,2-Trichloroethane	79-00-5	ug/L	10/5/2015			<10			
1,1,2-Trichloroethane	79-00-5	ug/L	4/4/2016			<1			
1,1,2-Trichloroethane	79-00-5	ug/L	10/17/2016		<1				
1,1,2-Trichloroethane	79-00-5	ug/L	4/17/2017					<1	
1,1,2-Trichloroethane	79-00-5	ug/L	10/11/2017		<1	<1	<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	3/15/2018		<1	<1	<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	4/26/2018		<1	<1	<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	10/16/2018		<1	<1	<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	4/16/2019		<1	<1	<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	10/1/2019		<1	<1	<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	3/30/2020		<1	<1	<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	10/7/2020		<1	<1	<1	<1	

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
1,1,2-Trichloroethane	79-00-5	ug/L	4/13/2021		<1	<1	<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	10/20/2021		<1	0.5J	<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	5/2/2022		<1	<1	<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	5/1/2023		<1	<1	<1	<1	
1,1,2-Trichloroethane	79-00-5	ug/L	8/1/2023			<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/16/2023		<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	12/20/2023						<1
1,1,2-Trichloroethane	79-00-5	ug/L	3/20/2024						<1
1,1,2-Trichloroethane	79-00-5	ug/L	4/29/2024		<1	<1	<1	<1	<1
1,1,2-Trichloroethane	79-00-5	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-Trichloroethane	79-00-5	ug/L	2/25/2025						<1.00
1,1,2-Trichloroethane	79-00-5	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	75-34-3	ug/L	4/14/2009	<1	<1	<1			
1,1-Dichloroethane	75-34-3	ug/L	7/7/2009		<1	<1			
1,1-Dichloroethane	75-34-3	ug/L	9/2/2009		<1	<1			
1,1-Dichloroethane	75-34-3	ug/L	10/25/2009	<1	<1	<1			
1,1-Dichloroethane	75-34-3	ug/L	3/3/2010	<1	<1	<1			
1,1-Dichloroethane	75-34-3	ug/L	5/10/2010	<1	<1	<1			
1,1-Dichloroethane	75-34-3	ug/L	7/8/2011		<1	<1			
1,1-Dichloroethane	75-34-3	ug/L	8/11/2011		<1	<1			
1,1-Dichloroethane	75-34-3	ug/L	10/13/2011		<1	<1			
1,1-Dichloroethane	75-34-3	ug/L	4/11/2012		<1	<1	<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	8/1/2012		<1	<1			
1,1-Dichloroethane	75-34-3	ug/L	10/11/2012			<1			
1,1-Dichloroethane	75-34-3	ug/L	12/13/2012				<25		
1,1-Dichloroethane	75-34-3	ug/L	3/30/2013	<1			<1		
1,1-Dichloroethane	75-34-3	ug/L	10/5/2015			<10			
1,1-Dichloroethane	75-34-3	ug/L	4/4/2016			<1			
1,1-Dichloroethane	75-34-3	ug/L	10/17/2016		<1				
1,1-Dichloroethane	75-34-3	ug/L	4/17/2017					<1	
1,1-Dichloroethane	75-34-3	ug/L	10/11/2017		<1	0.337J	<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	3/15/2018		<1	0.405J	<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	4/26/2018		<1	<1	<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	10/16/2018		<1	<1	<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	4/16/2019		<1	0.43J	<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	10/1/2019		<1	0.508J	<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	3/30/2020		<1	0.483J	<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	10/7/2020		<1	<1	<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	4/13/2021		<1	<1	<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	10/20/2021		<1	<1	<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	5/2/2022		<1	<1	<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	5/1/2023		<1	0.3J	<1	<1	
1,1-Dichloroethane	75-34-3	ug/L	8/1/2023			<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/16/2023		<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	12/20/2023						<1
1,1-Dichloroethane	75-34-3	ug/L	3/20/2024						<1
1,1-Dichloroethane	75-34-3	ug/L	4/29/2024		<1	<1	<1	<1	<1
1,1-Dichloroethane	75-34-3	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethane	75-34-3	ug/L	2/25/2025						<1.00
1,1-Dichloroethane	75-34-3	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	75-35-4	ug/L	4/14/2009	<2	<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	7/7/2009		<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	9/2/2009		<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	10/25/2009	<2	<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	3/3/2010	<2	<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	5/10/2010	<2	<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	7/8/2011		<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	8/11/2011		<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	10/13/2011		<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	4/11/2012		<2	<2	<2	<2	
1,1-Dichloroethene	75-35-4	ug/L	8/1/2012		<2	<2			
1,1-Dichloroethene	75-35-4	ug/L	10/11/2012			<2			
1,1-Dichloroethene	75-35-4	ug/L	12/13/2012				<50		
1,1-Dichloroethene	75-35-4	ug/L	3/30/2013	<2			<2		
1,1-Dichloroethene	75-35-4	ug/L	10/5/2015			<20			
1,1-Dichloroethene	75-35-4	ug/L	4/4/2016			<2			
1,1-Dichloroethene	75-35-4	ug/L	10/17/2016		<2				
1,1-Dichloroethene	75-35-4	ug/L	4/17/2017					<2	
1,1-Dichloroethene	75-35-4	ug/L	10/11/2017		<2	<2	<2	<2	
1,1-Dichloroethene	75-35-4	ug/L	3/15/2018		<2	<2	<2	<2	

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
1,1-Dichloroethene	75-35-4	ug/L	4/26/2018		<2	<2	<2	<2	
1,1-Dichloroethene	75-35-4	ug/L	10/16/2018		<2	<2	<2	<2	
1,1-Dichloroethene	75-35-4	ug/L	4/16/2019		<2	<2	<2	<2	
1,1-Dichloroethene	75-35-4	ug/L	10/1/2019		<2	<2	<2	<2	
1,1-Dichloroethene	75-35-4	ug/L	3/30/2020		<2	<2	<2	<2	
1,1-Dichloroethene	75-35-4	ug/L	10/7/2020		<2	<2	<2	<2	
1,1-Dichloroethene	75-35-4	ug/L	4/13/2021		<1	<1	<1	<1	
1,1-Dichloroethene	75-35-4	ug/L	10/20/2021		<1	<1	<1	<1	
1,1-Dichloroethene	75-35-4	ug/L	5/2/2022		<1	<1	<1	<1	
1,1-Dichloroethene	75-35-4	ug/L	5/1/2023		<2	<2	<2	<2	
1,1-Dichloroethene	75-35-4	ug/L	8/1/2023			<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/16/2023		<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	12/20/2023						<2
1,1-Dichloroethene	75-35-4	ug/L	3/20/2024						<2
1,1-Dichloroethene	75-35-4	ug/L	4/29/2024		<2	<2	<2	<2	<2
1,1-Dichloroethene	75-35-4	ug/L	10/11/2024		<2.00	<2.00	<2.00	<2.00	<2.00
1,1-Dichloroethene	75-35-4	ug/L	2/25/2025						<2.00
1,1-Dichloroethene	75-35-4	ug/L	4/30/2025		<2.00	<2.00	<2.00	<2.00	<2.00
1,1-Dichloropropene	563-58-6	ug/L	5/10/2010	<1	<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	4/14/2009	<1	<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	7/7/2009		<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	9/2/2009		<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	10/25/2009	<2	<2	<2			
1,2,3-Trichloropropane	96-18-4	ug/L	3/3/2010	<2	<2	<2			
1,2,3-Trichloropropane	96-18-4	ug/L	5/10/2010	<1	<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	7/8/2011		<2	<2			
1,2,3-Trichloropropane	96-18-4	ug/L	8/11/2011		<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	10/13/2011		<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	4/11/2012		<1	<1	<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	8/1/2012		<1	<1			
1,2,3-Trichloropropane	96-18-4	ug/L	10/11/2012			<1			
1,2,3-Trichloropropane	96-18-4	ug/L	12/13/2012				<25		
1,2,3-Trichloropropane	96-18-4	ug/L	3/30/2013	<1			<1		
1,2,3-Trichloropropane	96-18-4	ug/L	10/5/2015			<10			
1,2,3-Trichloropropane	96-18-4	ug/L	4/4/2016			<1			
1,2,3-Trichloropropane	96-18-4	ug/L	10/17/2016		<1				
1,2,3-Trichloropropane	96-18-4	ug/L	4/17/2017					<1	
1,2,3-Trichloropropane	96-18-4	ug/L	10/11/2017		<1	<1	<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	3/15/2018		<1	<1	<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	4/26/2018		<1	<1	<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	10/16/2018		<1	<1	<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	4/16/2019		<1	<1	<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	10/1/2019		<1	<1	<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	3/30/2020		<1	<1	<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	10/7/2020		<1	<1	<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	4/13/2021		<1	<1	<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	10/20/2021		<1	<1	<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	5/2/2022		<1	<1	<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	5/1/2023		<1	<1	<1	<1	
1,2,3-Trichloropropane	96-18-4	ug/L	8/1/2023			<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/16/2023		<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	12/20/2023						<1
1,2,3-Trichloropropane	96-18-4	ug/L	3/20/2024						<1
1,2,3-Trichloropropane	96-18-4	ug/L	4/29/2024		<1	<1	<1	<1	<1
1,2,3-Trichloropropane	96-18-4	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
1,2,3-Trichloropropane	96-18-4	ug/L	2/25/2025						<1.00
1,2,3-Trichloropropane	96-18-4	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5/10/2010	<10	<10	<10			
1,2,4-Trichlorobenzene	120-82-1	ug/L	5/10/2010	<10	<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/14/2009	<10	<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	7/7/2009		<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	9/2/2009		<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/25/2009	<10	<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/3/2010	<10	<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/10/2010	<10	<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	7/8/2011		<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	8/11/2011		<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/13/2011		<10	<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/11/2012		<10	<10	<10	<10	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	8/1/2012		<10	<10			

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/11/2012			<10			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	12/13/2012				<250		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/30/2013	<10			<10		
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/5/2015			<5			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/4/2016			<0.5			
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/17/2016		<0.5				
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/17/2017					<0.5	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/11/2017		<0.5	<0.5	<0.5	<0.5	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/15/2018		<0.5	<0.5	<0.5	<0.5	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/26/2018		<0.5	<0.5	<0.5	<0.5	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/16/2018		<1.2	<1.2	<1.2	<1.2	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/16/2019		<1.2	<1.2	<1.2	<1.2	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/1/2019		<1.2	<1.2	<1.2	<1.2	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/30/2020		<1.2	<1.2	<1.2	<1.2	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/7/2020		<1.2	<1.2	<1.2	<1.2	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/13/2021		<0.02	<0.02	<0.02	<0.02	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/20/2021		<0.02	<0.02	<0.02	<0.02	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/2/2022		<0.02	<0.02	<0.02	<0.02	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	5/1/2023		<1.2	<1.2	<1.2	<1.2	
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	8/1/2023			<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/16/2023		<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	12/20/2023						<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	3/20/2024						<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/29/2024		<1.2	<1.2	<1.2	<1.2	<1.2
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	10/11/2024		<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	2/25/2025						<1.20
1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	4/30/2025		<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dibromoethane (EDB)	106-93-4	ug/L	10/11/2024		<0.340	<0.340	<0.340	<0.340	<0.340
1,2-Dibromoethane (EDB)	106-93-4	ug/L	2/25/2025						<0.340
1,2-Dibromoethane (EDB)	106-93-4	ug/L	4/30/2025		<0.340	<0.340	<0.340	<0.340	<0.340
1,2-Dibromoethane [EDB]	106-93-4	ug/L	4/14/2009	<10	<10	<10			
1,2-Dibromoethane [EDB]	106-93-4	ug/L	7/7/2009		<10	<10			
1,2-Dibromoethane [EDB]	106-93-4	ug/L	9/2/2009		<10	<10			
1,2-Dibromoethane [EDB]	106-93-4	ug/L	10/25/2009	<10	<10	<10			
1,2-Dibromoethane [EDB]	106-93-4	ug/L	3/3/2010	<10	<10	<10			
1,2-Dibromoethane [EDB]	106-93-4	ug/L	5/10/2010	<10	<10	<10			
1,2-Dibromoethane [EDB]	106-93-4	ug/L	7/8/2011		<10	<10			
1,2-Dibromoethane [EDB]	106-93-4	ug/L	8/11/2011		<10	<10			
1,2-Dibromoethane [EDB]	106-93-4	ug/L	10/13/2011		<10	<10			
1,2-Dibromoethane [EDB]	106-93-4	ug/L	4/11/2012		<10	<10	<10	<10	
1,2-Dibromoethane [EDB]	106-93-4	ug/L	8/1/2012		<10	<10			
1,2-Dibromoethane [EDB]	106-93-4	ug/L	10/11/2012			<10			
1,2-Dibromoethane [EDB]	106-93-4	ug/L	12/13/2012				<250		
1,2-Dibromoethane [EDB]	106-93-4	ug/L	3/30/2013	<10			<10		
1,2-Dibromoethane [EDB]	106-93-4	ug/L	10/5/2015			<1.3			
1,2-Dibromoethane [EDB]	106-93-4	ug/L	4/4/2016			<0.13			
1,2-Dibromoethane [EDB]	106-93-4	ug/L	10/17/2016		<0.13				
1,2-Dibromoethane [EDB]	106-93-4	ug/L	4/17/2017					<0.13	
1,2-Dibromoethane [EDB]	106-93-4	ug/L	10/11/2017		<0.13	<0.13	<0.13	<0.13	
1,2-Dibromoethane [EDB]	106-93-4	ug/L	3/15/2018		<0.13	<0.13	<0.13	<0.13	
1,2-Dibromoethane [EDB]	106-93-4	ug/L	4/26/2018		<0.13	<0.13	<0.13	<0.13	
1,2-Dibromoethane [EDB]	106-93-4	ug/L	10/16/2018		<0.34	<0.34	<0.34	<0.34	
1,2-Dibromoethane [EDB]	106-93-4	ug/L	4/16/2019		<0.34	<0.34	<0.34	<0.34	
1,2-Dibromoethane [EDB]	106-93-4	ug/L	10/1/2019		<0.34	<0.34	<0.34	<0.34	
1,2-Dibromoethane [EDB]	106-93-4	ug/L	3/30/2020		<0.34	<0.34	<0.34	<0.34	
1,2-Dibromoethane [EDB]	106-93-4	ug/L	10/7/2020		<0.34	<0.34	<0.34	<0.34	
1,2-Dibromoethane [EDB]	106-93-4	ug/L	4/13/2021		<0.02	<0.02	<0.02	<0.02	
1,2-Dibromoethane [EDB]	106-93-4	ug/L	10/20/2021		<0.02	<0.02	<0.02	<0.02	
1,2-Dibromoethane [EDB]	106-93-4	ug/L	5/2/2022		<0.02	<0.02	<0.02	<0.02	
1,2-Dibromoethane [EDB]	106-93-4	ug/L	5/1/2023		<0.34	<0.34	<0.34	<0.34	
1,2-Dibromoethane [EDB]	106-93-4	ug/L	8/1/2023			<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane [EDB]	106-93-4	ug/L	10/16/2023		<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dibromoethane [EDB]	106-93-4	ug/L	12/20/2023						<0.34
1,2-Dibromoethane [EDB]	106-93-4	ug/L	3/20/2024						<0.34
1,2-Dibromoethane [EDB]	106-93-4	ug/L	4/29/2024		<0.34	<0.34	<0.34	<0.34	<0.34
1,2-Dichlorobenzene	95-50-1	ug/L	4/14/2009	<1	<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	7/7/2009		<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	9/2/2009		<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	10/25/2009	<2	<2	<2			
1,2-Dichlorobenzene	95-50-1	ug/L	3/3/2010	<1	<1	<1			

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
1,2-Dichlorobenzene	95-50-1	ug/L	5/10/2010	<1	<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	7/8/2011		<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	8/11/2011		<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	10/13/2011		<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	4/11/2012		<1	<1	<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	8/1/2012		<1	<1			
1,2-Dichlorobenzene	95-50-1	ug/L	10/11/2012			<1			
1,2-Dichlorobenzene	95-50-1	ug/L	12/13/2012				<25		
1,2-Dichlorobenzene	95-50-1	ug/L	3/30/2013	<1			<1		
1,2-Dichlorobenzene	95-50-1	ug/L	10/5/2015			<10			
1,2-Dichlorobenzene	95-50-1	ug/L	4/4/2016			<1			
1,2-Dichlorobenzene	95-50-1	ug/L	10/17/2016		<1				
1,2-Dichlorobenzene	95-50-1	ug/L	4/17/2017					<1	
1,2-Dichlorobenzene	95-50-1	ug/L	10/11/2017		<1	<1	<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	3/15/2018		<1	<1	<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	4/26/2018		<1	<1	<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	10/16/2018		<1	<1	<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	4/16/2019		<1	<1	<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	10/1/2019		<1	<1	<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	3/30/2020		<1	<1	<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	10/7/2020		<1	<1	<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	4/13/2021		<1	<1	<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	10/20/2021		<1	<1	<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	5/2/2022		<1	<1	<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	5/1/2023		<1	<1	<1	<1	
1,2-Dichlorobenzene	95-50-1	ug/L	8/1/2023			<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/16/2023		<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	12/20/2023						<1
1,2-Dichlorobenzene	95-50-1	ug/L	3/20/2024						<1
1,2-Dichlorobenzene	95-50-1	ug/L	4/29/2024		<1	<1	<1	<1	<1
1,2-Dichlorobenzene	95-50-1	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichlorobenzene	95-50-1	ug/L	2/25/2025						<1.00
1,2-Dichlorobenzene	95-50-1	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	107-06-2	ug/L	4/14/2009	<1	<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	7/7/2009		<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	9/2/2009		<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	10/25/2009	<2	<2	<2			
1,2-Dichloroethane	107-06-2	ug/L	3/3/2010	<1	<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	5/10/2010	<1	<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	7/8/2011		<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	8/11/2011		<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	10/13/2011		<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	4/11/2012		<1	<1	<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	8/1/2012		<1	<1			
1,2-Dichloroethane	107-06-2	ug/L	10/11/2012			<1			
1,2-Dichloroethane	107-06-2	ug/L	12/13/2012				<25		
1,2-Dichloroethane	107-06-2	ug/L	3/30/2013	<1			<1		
1,2-Dichloroethane	107-06-2	ug/L	10/5/2015			<10			
1,2-Dichloroethane	107-06-2	ug/L	4/4/2016			<1			
1,2-Dichloroethane	107-06-2	ug/L	10/17/2016		<1				
1,2-Dichloroethane	107-06-2	ug/L	4/17/2017					<1	
1,2-Dichloroethane	107-06-2	ug/L	10/11/2017		<1	<1	<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	3/15/2018		<1	<1	<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	4/26/2018		<1	<1	<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	10/16/2018		<1	<1	<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	4/16/2019		<1	<1	<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	10/1/2019		<1	<1	<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	3/30/2020		<1	<1	<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	10/7/2020		<1	<1	<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	4/13/2021		<1	<1	<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	10/20/2021		<1	<1	<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	5/2/2022		<1	<1	<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	5/1/2023		<1	<1	<1	<1	
1,2-Dichloroethane	107-06-2	ug/L	8/1/2023			<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/16/2023		<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	12/20/2023						<1
1,2-Dichloroethane	107-06-2	ug/L	3/20/2024						<1
1,2-Dichloroethane	107-06-2	ug/L	4/29/2024		<1	<1	<1	<1	<1
1,2-Dichloroethane	107-06-2	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloroethane	107-06-2	ug/L	2/25/2025						<1.00

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
1,2-Dichloroethane	107-06-2	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	78-87-5	ug/L	4/14/2009	<1	<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	7/7/2009		<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	9/2/2009		<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	10/25/2009	<1	<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	3/3/2010	<1	<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	5/10/2010	<1	<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	7/8/2011		<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	8/11/2011		<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	10/13/2011		<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	4/11/2012		<1	<1	<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	8/1/2012		<1	<1			
1,2-Dichloropropane	78-87-5	ug/L	10/11/2012			<1			
1,2-Dichloropropane	78-87-5	ug/L	12/13/2012				<25		
1,2-Dichloropropane	78-87-5	ug/L	3/30/2013	<1			<1		
1,2-Dichloropropane	78-87-5	ug/L	10/5/2015			<10			
1,2-Dichloropropane	78-87-5	ug/L	4/4/2016			<1			
1,2-Dichloropropane	78-87-5	ug/L	10/17/2016		<1				
1,2-Dichloropropane	78-87-5	ug/L	4/17/2017					<1	
1,2-Dichloropropane	78-87-5	ug/L	10/11/2017		<1	<1	<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	3/15/2018		<1	<1	<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	4/26/2018		<1	<1	<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	10/16/2018		<1	<1	<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	4/16/2019		<1	<1	<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	10/1/2019		<1	<1	<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	3/30/2020		<1	<1	<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	10/7/2020		<1	<1	<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	4/13/2021		<1	<1	<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	10/20/2021		<1	<1	<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	5/2/2022		<1	<1	<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	5/1/2023		<1	<1	<1	<1	
1,2-Dichloropropane	78-87-5	ug/L	8/1/2023			<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/16/2023		<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	12/20/2023						<1
1,2-Dichloropropane	78-87-5	ug/L	3/20/2024						<1
1,2-Dichloropropane	78-87-5	ug/L	4/29/2024		<1	<1	<1	<1	<1
1,2-Dichloropropane	78-87-5	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
1,2-Dichloropropane	78-87-5	ug/L	2/25/2025						<1.00
1,2-Dichloropropane	78-87-5	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
1,3,5-Trinitrobenzene	99-35-4	ug/L	5/10/2010	<10	<10	<10			
1,3-Dichlorobenzene	541-73-1	ug/L	5/10/2010	<1	<1	<1			
1,3-Dichloropropane	142-28-9	ug/L	5/10/2010	<1	<1	<1			
1,3-Dinitrobenzene	99-65-0	ug/L	5/10/2010	<10	<10	<10			
1,4-Dichlorobenzene	106-46-7	ug/L	4/14/2009	<1	<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	7/7/2009		<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	9/2/2009		<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	10/25/2009	<2	<2	<2			
1,4-Dichlorobenzene	106-46-7	ug/L	3/3/2010	<1	<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	5/10/2010	<1	<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	7/8/2011		<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	8/11/2011		<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	10/13/2011		<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	4/11/2012		<1	<1	<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	8/1/2012		<1	<1			
1,4-Dichlorobenzene	106-46-7	ug/L	10/11/2012			<1			
1,4-Dichlorobenzene	106-46-7	ug/L	12/13/2012				<25		
1,4-Dichlorobenzene	106-46-7	ug/L	3/30/2013	<1			<1		
1,4-Dichlorobenzene	106-46-7	ug/L	10/5/2015			<10			
1,4-Dichlorobenzene	106-46-7	ug/L	4/4/2016			<1			
1,4-Dichlorobenzene	106-46-7	ug/L	10/17/2016		<1				
1,4-Dichlorobenzene	106-46-7	ug/L	4/17/2017					<1	
1,4-Dichlorobenzene	106-46-7	ug/L	10/11/2017		<1	<1	<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	3/15/2018		<1	<1	<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	4/26/2018		<1	<1	<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	10/16/2018		<1	<1	<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	4/16/2019		<1	<1	<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	10/1/2019		<1	<1	<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	3/30/2020		<1	<1	<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	10/7/2020		<1	<1	<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	4/13/2021		<1	<1	<1	<1	

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
1,4-Dichlorobenzene	106-46-7	ug/L	10/20/2021		<1	<1	<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	5/2/2022		<1	<1	<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	5/1/2023		<1	<1	<1	<1	
1,4-Dichlorobenzene	106-46-7	ug/L	8/1/2023			<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/16/2023		<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	12/20/2023						<1
1,4-Dichlorobenzene	106-46-7	ug/L	3/20/2024						<1
1,4-Dichlorobenzene	106-46-7	ug/L	4/29/2024		<1	<1	<1	<1	<1
1,4-Dichlorobenzene	106-46-7	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
1,4-Dichlorobenzene	106-46-7	ug/L	2/25/2025						<1.00
1,4-Dichlorobenzene	106-46-7	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
1,4-Naphthoquinone	130-15-4	ug/L	5/10/2010	<10	<10	<10			
1,4-Phenylenediamine	106-50-3	ug/L	5/10/2010	<10	<10	<10			
1-Naphthylamine	134-32-7	ug/L	5/10/2010	<10	<10	<10			
2,2-Dichloropropane	594-20-7	ug/L	5/10/2010	<4	<4	<4			
2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	5/10/2010	<10	<10	<10			
2,4,5-T [2C]	93-76-5	ug/L	5/10/2010	<0.51	<0.5	<0.5			
2,4,5-TP [Silvex]	93-72-1	ug/L	5/10/2010	<0.51	<0.5	<0.5			
2,4,5-Trichlorophenol	95-95-4	ug/L	5/10/2010	<10	<10	<10			
2,4,6-Trichlorophenol	88-06-2	ug/L	5/10/2010	<10	<10	<10			
2,4-D [2C]	94-75-7	ug/L	5/10/2010	<1	<1	<1			
2,4-Dichlorophenol	120-83-2	ug/L	5/10/2010	<10	<10	<10			
2,4-Dimethylphenol	105-67-9	ug/L	5/10/2010	<10	<10	<10			
2,4-Dinitrophenol	51-28-5	ug/L	5/10/2010	<20	<20	<20			
2,4-Dinitrotoluene	121-14-2	ug/L	5/10/2010	<10	<10	<10			
2,6-Dichlorophenol	87-65-0	ug/L	5/10/2010	<10	<10	<10			
2,6-Dinitrotoluene	606-20-2	ug/L	5/10/2010	<10	<10	<10			
2-Acetylaminofluorene	53-96-3	ug/L	5/10/2010	<10	<10	<10			
2-Butanone	78-93-3	ug/L	4/14/2009	<10	<10	<10			
2-Butanone	78-93-3	ug/L	7/7/2009		<10	<10			
2-Butanone	78-93-3	ug/L	9/2/2009		<10	<10			
2-Butanone	78-93-3	ug/L	10/25/2009	<10	<10	<10			
2-Butanone	78-93-3	ug/L	3/3/2010	<10	<10	<10			
2-Butanone	78-93-3	ug/L	5/10/2010	<10	<10	<10			
2-Butanone	78-93-3	ug/L	7/8/2011		<10	<10			
2-Butanone	78-93-3	ug/L	8/11/2011		<10	<10			
2-Butanone	78-93-3	ug/L	10/13/2011		<10	<10			
2-Butanone	78-93-3	ug/L	4/11/2012		<10	<10	<10	<10	
2-Butanone	78-93-3	ug/L	8/1/2012		<10	10.4			
2-Butanone	78-93-3	ug/L	10/11/2012			<10			
2-Butanone	78-93-3	ug/L	12/13/2012				<250		
2-Butanone	78-93-3	ug/L	3/30/2013	<10			<10		
2-Butanone	78-93-3	ug/L	10/5/2015			<100			
2-Butanone	78-93-3	ug/L	4/4/2016			<10			
2-Butanone	78-93-3	ug/L	10/17/2016		<10				
2-Butanone	78-93-3	ug/L	4/17/2017					<10	
2-Butanone	78-93-3	ug/L	10/11/2017		<10	<10	<10	<10	
2-Butanone	78-93-3	ug/L	3/15/2018		<10	<10	<10	<10	
2-Butanone	78-93-3	ug/L	4/26/2018		<10	<10	<10	<10	
2-Butanone	78-93-3	ug/L	10/16/2018		<10	<10	<10	<10	
2-Butanone	78-93-3	ug/L	4/16/2019		<10	<10	<10	<10	
2-Butanone	78-93-3	ug/L	10/1/2019		<10	<10	<10	<10	
2-Butanone	78-93-3	ug/L	3/30/2020		<10	<10	<10	<10	
2-Butanone	78-93-3	ug/L	10/7/2020		<10	<10	<10	<10	
2-Butanone	78-93-3	ug/L	4/13/2021		<5	<5	<5	<5	
2-Butanone	78-93-3	ug/L	10/20/2021		<5	<5	<5	<5	
2-Butanone	78-93-3	ug/L	5/2/2022		<10	<10	<10	<10	
2-Butanone	78-93-3	ug/L	5/1/2023		<10	<10	<10	<10	
2-Butanone	78-93-3	ug/L	8/1/2023			<10	<10	<10	<10
2-Butanone	78-93-3	ug/L	10/16/2023		<10	<10	<10	<10	<10
2-Butanone	78-93-3	ug/L	12/20/2023						<10
2-Butanone	78-93-3	ug/L	3/20/2024						<10
2-Butanone	78-93-3	ug/L	4/29/2024		32.7	<10	<10	<10	8.99J
2-Butanone (MEK)	78-93-3	ug/L	10/11/2024		<10.0	<10.0	<10.0	<10.0	<10.0
2-Butanone (MEK)	78-93-3	ug/L	2/25/2025						<10.0
2-Butanone (MEK)	78-93-3	ug/L	4/30/2025		<10.0	<10.0	<10.0	<10.0	<10.0
2-Chloronaphthalene	91-58-7	ug/L	5/10/2010	<10	<10	<10			
2-Chlorophenol	95-57-8	ug/L	5/10/2010	<10	<10	<10			
2-Hexanone	591-78-6	ug/L	4/14/2009	<10	<10	<10			
2-Hexanone	591-78-6	ug/L	7/7/2009		<10	<10			

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
2-Hexanone	591-78-6	ug/L	9/2/2009		<10	<10			
2-Hexanone	591-78-6	ug/L	10/25/2009	<10	<10	<10			
2-Hexanone	591-78-6	ug/L	3/3/2010	<10	<10	<10			
2-Hexanone	591-78-6	ug/L	5/10/2010	<20	<20	<20			
2-Hexanone	591-78-6	ug/L	7/8/2011		<10	<10			
2-Hexanone	591-78-6	ug/L	8/11/2011		<10	<10			
2-Hexanone	591-78-6	ug/L	10/13/2011		<10	<10			
2-Hexanone	591-78-6	ug/L	4/11/2012		<10	<10	<10	<10	
2-Hexanone	591-78-6	ug/L	8/1/2012		<10	<10			
2-Hexanone	591-78-6	ug/L	10/11/2012			<10			
2-Hexanone	591-78-6	ug/L	12/13/2012				<250		
2-Hexanone	591-78-6	ug/L	3/30/2013	<10			<10		
2-Hexanone	591-78-6	ug/L	10/5/2015			<100			
2-Hexanone	591-78-6	ug/L	4/4/2016			<10			
2-Hexanone	591-78-6	ug/L	10/17/2016		<10				
2-Hexanone	591-78-6	ug/L	4/17/2017					<10	
2-Hexanone	591-78-6	ug/L	10/11/2017		<10	<10	<10	<10	
2-Hexanone	591-78-6	ug/L	3/15/2018		<10	<10	<10	<10	
2-Hexanone	591-78-6	ug/L	4/26/2018		<10	<10	<10	<10	
2-Hexanone	591-78-6	ug/L	10/16/2018		<10	<10	<10	<10	
2-Hexanone	591-78-6	ug/L	4/16/2019		<10	<10	<10	<10	
2-Hexanone	591-78-6	ug/L	10/1/2019		<10	<10	<10	<10	
2-Hexanone	591-78-6	ug/L	3/30/2020		<10	<10	<10	<10	
2-Hexanone	591-78-6	ug/L	10/7/2020		<10	<10	<10	<10	
2-Hexanone	591-78-6	ug/L	4/13/2021		<5	<5	<5	<5	
2-Hexanone	591-78-6	ug/L	10/20/2021		<5	<5	<5	<5	
2-Hexanone	591-78-6	ug/L	5/2/2022		<5	<5	<5	<5	
2-Hexanone	591-78-6	ug/L	5/1/2023		<10	<10	<10	<10	
2-Hexanone	591-78-6	ug/L	8/1/2023			<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/16/2023		<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	12/20/2023						<10
2-Hexanone	591-78-6	ug/L	3/20/2024						<10
2-Hexanone	591-78-6	ug/L	4/29/2024		<10	<10	<10	<10	<10
2-Hexanone	591-78-6	ug/L	10/11/2024		<10.0	<10.0	<10.0	<10.0	<10.0
2-Hexanone	591-78-6	ug/L	2/25/2025						<10.0
2-Hexanone	591-78-6	ug/L	4/30/2025		<10.0	<10.0	<10.0	<10.0	<10.0
2-Methylnaphthalene	91-57-6	ug/L	5/10/2010	<10	<10	<10			
2-Methylphenol	95-48-7	ug/L	5/10/2010	<10	<10	<10			
2-Naphthylamine	91-59-8	ug/L	5/10/2010	<10	<10	<10			
2-Nitroaniline	88-74-4	ug/L	5/10/2010	<10	<10	<10			
2-Nitrophenol	88-75-5	ug/L	5/10/2010	<10	<10	<10			
3,3-Dichlorobenzidine	91-94-1	ug/L	5/10/2010	<10	<10	<10			
3,3-Dimethylbenzidine	119-93-7	ug/L	5/10/2010	<10	<10	<10			
3-Methylcholanthrene	56-49-5	ug/L	5/10/2010	<10	<10	<10			
3-Nitroaniline	99-09-2	ug/L	5/10/2010	<10	<10	<10			
4,4`-DDD	72-54-8	ug/L	5/10/2010	<0.032	<0.032	<0.032			
4,4`-DDE	72-55-9	ug/L	5/10/2010	<0.032	<0.032	<0.032			
4,4`-DDT	50-29-3	ug/L	5/10/2010	<0.032	<0.032	<0.032			
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	5/10/2010	<10	<10	<10			
4-Aminobiphenyl	92-67-1	ug/L	5/10/2010	<10	<10	<10			
4-Bromophenyl phenyl ether	101-55-3	ug/L	5/10/2010	<10	<10	<10			
4-Chloro-3-methylphenol	59-50-7	ug/L	5/10/2010	<10	<10	<10			
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	5/10/2010	<10	<10	<10			
4-Methyl-2-Pentanone	108-10-1	ug/L	4/14/2009	<10	<10	<10			
4-Methyl-2-Pentanone	108-10-1	ug/L	7/7/2009		<10	<10			
4-Methyl-2-Pentanone	108-10-1	ug/L	9/2/2009		<10	<10			
4-Methyl-2-Pentanone	108-10-1	ug/L	10/25/2009	<10	<10	<10			
4-Methyl-2-Pentanone	108-10-1	ug/L	3/3/2010	<10	<10	<10			
4-Methyl-2-Pentanone	108-10-1	ug/L	5/10/2010	<10	<10	<10			
4-Methyl-2-Pentanone	108-10-1	ug/L	7/8/2011		<10	<10			
4-Methyl-2-Pentanone	108-10-1	ug/L	8/11/2011		<10	<10			
4-Methyl-2-Pentanone	108-10-1	ug/L	10/13/2011		<10	<10			
4-Methyl-2-Pentanone	108-10-1	ug/L	4/11/2012		<10	<10	<10	<10	
4-Methyl-2-Pentanone	108-10-1	ug/L	8/1/2012		<10	71.5			
4-Methyl-2-Pentanone	108-10-1	ug/L	10/11/2012			<10			
4-Methyl-2-Pentanone	108-10-1	ug/L	12/13/2012				<250		
4-Methyl-2-Pentanone	108-10-1	ug/L	3/30/2013	<10			22.7		
4-Methyl-2-Pentanone	108-10-1	ug/L	10/5/2015			<100			
4-Methyl-2-Pentanone	108-10-1	ug/L	4/4/2016			<10			
4-Methyl-2-Pentanone	108-10-1	ug/L	10/17/2016		<10				

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
4-Methyl-2-Pentanone	108-10-1	ug/L	4/17/2017					<10	
4-Methyl-2-Pentanone	108-10-1	ug/L	10/11/2017		<10	1.09J	<10	<10	
4-Methyl-2-Pentanone	108-10-1	ug/L	3/15/2018		<10	<10	<10	<10	
4-Methyl-2-Pentanone	108-10-1	ug/L	4/26/2018		<10	<10	<10	<10	
4-Methyl-2-Pentanone	108-10-1	ug/L	10/16/2018		<10	<10	<10	<10	
4-Methyl-2-Pentanone	108-10-1	ug/L	4/16/2019		<10	<10	<10	<10	
4-Methyl-2-Pentanone	108-10-1	ug/L	10/1/2019		<10	<10	<10	<10	
4-Methyl-2-Pentanone	108-10-1	ug/L	3/30/2020		<10	<10	<10	<10	
4-Methyl-2-Pentanone	108-10-1	ug/L	10/7/2020		<10	<10	<10	<10	
4-Methyl-2-Pentanone	108-10-1	ug/L	4/13/2021		<5	<5	<5	<5	
4-Methyl-2-Pentanone	108-10-1	ug/L	10/20/2021		<5	<5	<5	<5	
4-Methyl-2-Pentanone	108-10-1	ug/L	5/2/2022		1.5J	<5	1.4J	1.1J	
4-Methyl-2-Pentanone	108-10-1	ug/L	5/1/2023		<10	<10	<10	<10	
4-Methyl-2-Pentanone	108-10-1	ug/L	8/1/2023			<10	<10	<10	<10
4-Methyl-2-Pentanone	108-10-1	ug/L	10/16/2023		<10	<10	<10	<10	<10
4-Methyl-2-Pentanone	108-10-1	ug/L	12/20/2023						<10
4-Methyl-2-Pentanone	108-10-1	ug/L	3/20/2024						<10
4-Methyl-2-Pentanone	108-10-1	ug/L	4/29/2024		3.9J	<10	<10	<10	<10
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	10/11/2024		<10.0	<10.0	<10.0	<10.0	<10.0
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	2/25/2025						<10.0
4-Methyl-2-pentanone (MIBK)	108-10-1	ug/L	4/30/2025		<10.0	<10.0	<10.0	<10.0	<10.0
4-Nitroaniline	100-01-6	ug/L	5/10/2010	<10	<10	<10			
4-Nitrophenol	100-02-7	ug/L	5/10/2010	<10	<10	<10			
5-Nitro-o-toluidine	99-55-8	ug/L	5/10/2010	<10	<10	<10			
7,12-Dimethylbenz[a]anthracene	57-97-6	ug/L	5/10/2010	<10	<10	<10			
Acenaphthene	83-32-9	ug/L	5/10/2010	<10	<10	<10			
Acenaphthylene	208-96-8	ug/L	5/10/2010	<10	<10	<10			
Acetone	67-64-1	ug/L	4/14/2009	<10	<10	<10			
Acetone	67-64-1	ug/L	7/7/2009		<10	<10			
Acetone	67-64-1	ug/L	9/2/2009		<10	<10			
Acetone	67-64-1	ug/L	10/25/2009	<10	<10	<10			
Acetone	67-64-1	ug/L	3/3/2010	<10	86.2	23.7			
Acetone	67-64-1	ug/L	5/10/2010	<10	<10	<10			
Acetone	67-64-1	ug/L	7/8/2011		<10	<10			
Acetone	67-64-1	ug/L	8/11/2011		<10	<10			
Acetone	67-64-1	ug/L	10/13/2011		<10	<10			
Acetone	67-64-1	ug/L	4/11/2012		<10	<10	<10	<10	
Acetone	67-64-1	ug/L	8/1/2012		<10	45			
Acetone	67-64-1	ug/L	10/11/2012			<10			
Acetone	67-64-1	ug/L	12/13/2012				<250		
Acetone	67-64-1	ug/L	3/30/2013	<10			<10		
Acetone	67-64-1	ug/L	10/5/2015			<100			
Acetone	67-64-1	ug/L	4/4/2016			<10			
Acetone	67-64-1	ug/L	10/17/2016		<10				
Acetone	67-64-1	ug/L	4/17/2017					1.97J	
Acetone	67-64-1	ug/L	10/11/2017		2.15J	<10	2.02J	<10	
Acetone	67-64-1	ug/L	3/15/2018		2.12J	6.11J	4.62J	4.9J	
Acetone	67-64-1	ug/L	4/26/2018		2.4J	10.3	2.94J	<10	
Acetone	67-64-1	ug/L	10/16/2018		3.63J	3.6J	<10	<10	
Acetone	67-64-1	ug/L	4/16/2019		3.21J	<10	<10	<10	
Acetone	67-64-1	ug/L	10/1/2019		<10	<10	<10	<10	
Acetone	67-64-1	ug/L	3/30/2020		<10	<10	<10	<10	
Acetone	67-64-1	ug/L	10/7/2020		<10	<10	<10	<10	
Acetone	67-64-1	ug/L	4/13/2021		<10	<10	<10	<10	
Acetone	67-64-1	ug/L	10/20/2021		<10	<10	<10	<10	
Acetone	67-64-1	ug/L	5/2/2022		<10	<10	<10	<10	
Acetone	67-64-1	ug/L	5/1/2023		<10	<10	9.3J	<10	
Acetone	67-64-1	ug/L	8/1/2023			<10	3.28J	<10	<10
Acetone	67-64-1	ug/L	10/16/2023		<10	<10	<10	<10	<10
Acetone	67-64-1	ug/L	12/20/2023						<10
Acetone	67-64-1	ug/L	3/20/2024						<10
Acetone	67-64-1	ug/L	4/29/2024		43.7	<10	3.51J	<10	13.6
Acetone	67-64-1	ug/L	6/17/2024						<10
Acetone	67-64-1	ug/L	10/11/2024		<10.0	<10.0	<10.0	<10.0	<10.0
Acetone	67-64-1	ug/L	2/25/2025						<10.0
Acetone	67-64-1	ug/L	4/30/2025		<10.0	<10.0	<10.0	<10.0	<10.0
Acetonitrile	75-05-8	mg/L	5/10/2010	<10	<10	<10			
Acetophenone	98-86-2	ug/L	5/10/2010	<10	<10	<10			
Acrolein	107-02-8	ug/L	5/10/2010	<10	<10	<10			
Acrylonitrile	107-13-1	ug/L	4/14/2009	<10	<10	<10			

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Acrylonitrile	107-13-1	ug/L	7/7/2009		<10	<10			
Acrylonitrile	107-13-1	ug/L	9/2/2009		<10	<10			
Acrylonitrile	107-13-1	ug/L	10/25/2009	<10	<10	<10			
Acrylonitrile	107-13-1	ug/L	3/3/2010	<10	<10	<10			
Acrylonitrile	107-13-1	ug/L	5/10/2010	<10	<10	<10			
Acrylonitrile	107-13-1	ug/L	7/8/2011		<10	<10			
Acrylonitrile	107-13-1	ug/L	8/11/2011		<10	<10			
Acrylonitrile	107-13-1	ug/L	10/13/2011		<10	<10			
Acrylonitrile	107-13-1	ug/L	4/11/2012		<10	<10	<10	<10	
Acrylonitrile	107-13-1	ug/L	8/1/2012		<10	<10			
Acrylonitrile	107-13-1	ug/L	10/11/2012			<10			
Acrylonitrile	107-13-1	ug/L	12/13/2012				<250		
Acrylonitrile	107-13-1	ug/L	3/30/2013	<10			<10		
Acrylonitrile	107-13-1	ug/L	10/5/2015			<100			
Acrylonitrile	107-13-1	ug/L	4/4/2016			<10			
Acrylonitrile	107-13-1	ug/L	10/17/2016		<10				
Acrylonitrile	107-13-1	ug/L	4/17/2017					<5	
Acrylonitrile	107-13-1	ug/L	10/11/2017		<5	<5	<5	<5	
Acrylonitrile	107-13-1	ug/L	3/15/2018		<5	<5	<5	<5	
Acrylonitrile	107-13-1	ug/L	4/26/2018		<5	<5	<5	<5	
Acrylonitrile	107-13-1	ug/L	10/16/2018		<5	<5	<5	<5	
Acrylonitrile	107-13-1	ug/L	4/16/2019		<5	<5	<5	<5	
Acrylonitrile	107-13-1	ug/L	10/1/2019		<5	<5	<5	<5	
Acrylonitrile	107-13-1	ug/L	3/30/2020		<5	<5	<5	<5	
Acrylonitrile	107-13-1	ug/L	10/7/2020		<5	<5	<5	<5	
Acrylonitrile	107-13-1	ug/L	4/13/2021		<5	<5	<5	<5	
Acrylonitrile	107-13-1	ug/L	10/20/2021		<5	<5	<5	<5	
Acrylonitrile	107-13-1	ug/L	5/2/2022		<5	<5	<5	<5	
Acrylonitrile	107-13-1	ug/L	5/1/2023		<5	<5	<5	<5	
Acrylonitrile	107-13-1	ug/L	8/1/2023			<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/16/2023		<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	12/20/2023						<5
Acrylonitrile	107-13-1	ug/L	3/20/2024						<5
Acrylonitrile	107-13-1	ug/L	4/29/2024		<5	<5	<5	<5	<5
Acrylonitrile	107-13-1	ug/L	10/11/2024		<5.00	<5.00	<5.00	<5.00	<5.00
Acrylonitrile	107-13-1	ug/L	2/25/2025						<5.00
Acrylonitrile	107-13-1	ug/L	4/30/2025		<5.00	<5.00	<5.00	<5.00	<5.00
Aldrin	309-00-2	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Allyl Chloride	107-05-1	ug/L	5/10/2010	<2	<2	<2			
Alpha-BHC	319-84-6	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Alpha-Chlordane	5103-71-9	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Anthracene	120-12-7	ug/L	5/10/2010	<10	<10	<10			
Antimony	7440-36-0	mg/L	4/14/2009	<0.006	<0.006	<0.006			
Antimony	7440-36-0	mg/L	7/7/2009		<0.006	<0.006			
Antimony	7440-36-0	mg/L	9/2/2009		<0.006	<0.006			
Antimony	7440-36-0	mg/L	10/25/2009	<0.006	<0.006	<0.006			
Antimony	7440-36-0	mg/L	3/3/2010	<0.006	<0.006	<0.006			
Antimony	7440-36-0	mg/L	5/10/2010	<0.002	<0.002	<0.002			
Antimony	7440-36-0	mg/L	7/8/2011		<0.006	<0.006			
Antimony	7440-36-0	mg/L	8/11/2011		<0.006	<0.006			
Antimony	7440-36-0	mg/L	10/13/2011		<0.006	<0.006			
Antimony	7440-36-0	mg/L	4/11/2012		<0.006	<0.006	<0.006	<0.006	
Antimony	7440-36-0	mg/L	8/1/2012		<0.006	<0.012			
Antimony	7440-36-0	mg/L	10/11/2012			<0.018			
Antimony	7440-36-0	mg/L	12/13/2012				<0.006		
Antimony	7440-36-0	mg/L	3/30/2013	<0.006			<0.006		
Antimony	7440-36-0	mg/L	10/5/2015			<0.001			
Antimony	7440-36-0	mg/L	4/4/2016			<0.001			
Antimony	7440-36-0	mg/L	10/17/2016		<0.001				
Antimony	7440-36-0	mg/L	4/17/2017					<0.001	
Antimony	7440-36-0	mg/L	10/11/2017		<0.001	0.000403J	0.000233J	0.000267J	
Antimony	7440-36-0	mg/L	3/15/2018		0.000239J	<0.001	<0.001	<0.001	
Antimony	7440-36-0	mg/L	4/26/2018		<0.001	<0.001	<0.001	<0.001	
Antimony	7440-36-0	mg/L	10/16/2018		<0.003	<0.003	<0.003	<0.003	
Antimony	7440-36-0	mg/L	4/16/2019		<0.001	<0.001	<0.001	<0.001	
Antimony	7440-36-0	mg/L	10/1/2019		<0.001	<0.001	<0.001	<0.001	
Antimony	7440-36-0	mg/L	3/30/2020		<0.001	<0.001	<0.001	<0.001	
Antimony	7440-36-0	mg/L	10/7/2020		<0.001	<0.001	<0.02	<0.001	
Antimony	7440-36-0	mg/L	4/13/2021		<0.002	<0.002	<0.002	<0.002	
Antimony	7440-36-0	mg/L	10/20/2021		<0.002	<0.002	<0.002	<0.002	

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Antimony	7440-36-0	mg/L	5/2/2022		<0.002	<0.002	<0.002	<0.002	
Antimony	7440-36-0	mg/L	5/1/2023		<0.002	<0.002	<0.002	<0.002	
Antimony	7440-36-0	mg/L	10/16/2023		<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	12/20/2023						<0.002
Antimony	7440-36-0	mg/L	3/20/2024						<0.002
Antimony	7440-36-0	mg/L	4/29/2024		<0.002	<0.002	<0.002	<0.002	<0.002
Antimony	7440-36-0	mg/L	10/11/2024		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Antimony	7440-36-0	mg/L	2/25/2025						<0.00200
Antimony	7440-36-0	mg/L	4/30/2025		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Arsenic	7440-38-2	mg/L	4/14/2009	<0.001	0.0076	0.0016			
Arsenic	7440-38-2	mg/L	7/7/2009		0.0058	<0.001			
Arsenic	7440-38-2	mg/L	9/2/2009			0.0019			
Arsenic	7440-38-2	mg/L	10/25/2009	<0.001	0.0062	0.0017			
Arsenic	7440-38-2	mg/L	3/3/2010	<0.001	0.002	0.0014			
Arsenic	7440-38-2	mg/L	5/10/2010	0.0026	0.007	0.0044			
Arsenic	7440-38-2	mg/L	7/8/2010	0.0015		0.0025			
Arsenic	7440-38-2	mg/L	7/8/2011			0.0031			
Arsenic	7440-38-2	mg/L	8/11/2011		<0.001	0.0028			
Arsenic	7440-38-2	mg/L	10/13/2011		<0.001	0.00649			
Arsenic	7440-38-2	mg/L	4/11/2012		<0.001	0.00685	<0.001	<0.001	
Arsenic	7440-38-2	mg/L	8/1/2012		0.0102	0.0292			
Arsenic	7440-38-2	mg/L	10/11/2012			0.0122			
Arsenic	7440-38-2	mg/L	12/13/2012				0.0122		
Arsenic	7440-38-2	mg/L	3/30/2013	<0.001			0.00869		
Arsenic	7440-38-2	mg/L	10/5/2015			0.0768			
Arsenic	7440-38-2	mg/L	4/4/2016			<0.002			
Arsenic	7440-38-2	mg/L	10/17/2016		0.00312				
Arsenic	7440-38-2	mg/L	4/17/2017					0.00267	
Arsenic	7440-38-2	mg/L	10/11/2017		0.00619	0.0114	0.00241	0.00184J	
Arsenic	7440-38-2	mg/L	3/15/2018		0.00136J	0.00933	0.0135	0.00107J	
Arsenic	7440-38-2	mg/L	4/26/2018		0.000853J	0.00982	0.00772	<0.002	
Arsenic	7440-38-2	mg/L	10/16/2018		0.00302	0.0105	0.00939	0.00266	
Arsenic	7440-38-2	mg/L	4/16/2019		0.00107J	0.00363	0.0208	<0.002	
Arsenic	7440-38-2	mg/L	10/1/2019		<0.002	0.00462	0.0167	<0.002	
Arsenic	7440-38-2	mg/L	3/30/2020		0.00133J	0.0092	0.0128	<0.002	
Arsenic	7440-38-2	mg/L	10/7/2020		0.00351	0.0515	13.9	0.00168J	
Arsenic	7440-38-2	mg/L	4/13/2021		<0.004	0.0095	0.0097	<0.004	
Arsenic	7440-38-2	mg/L	10/20/2021		<0.004	<0.004	0.0164	<0.004	
Arsenic	7440-38-2	mg/L	5/2/2022		0.001J	0.0087	0.0205	0.0011J	
Arsenic	7440-38-2	mg/L	5/1/2023		<0.002	0.00123J	0.000614J	0.000658J	
Arsenic	7440-38-2	mg/L	10/16/2023		0.00109J	0.00563	0.00387	0.00168J	0.000702J
Arsenic	7440-38-2	mg/L	12/20/2023						0.00149J
Arsenic	7440-38-2	mg/L	3/20/2024						0.000918J
Arsenic	7440-38-2	mg/L	4/29/2024		0.00404	0.00396	0.015	<0.002	0.00362
Arsenic	7440-38-2	mg/L	10/11/2024		0.00668	0.0126	0.0349	0.00208	<0.00200
Arsenic	7440-38-2	mg/L	2/25/2025						0.000998J
Arsenic	7440-38-2	mg/L	4/30/2025		0.00426	0.00960	0.0120	<0.00200	0.000797
Barium	7440-39-3	mg/L	4/14/2009	0.137	0.31	0.16			
Barium	7440-39-3	mg/L	7/7/2009			0.157			
Barium	7440-39-3	mg/L	9/2/2009		0.294	0.172			
Barium	7440-39-3	mg/L	10/25/2009	0.133	0.247	0.159			
Barium	7440-39-3	mg/L	3/3/2010	0.126	0.1	0.114			
Barium	7440-39-3	mg/L	5/10/2010	0.171	0.234	0.159			
Barium	7440-39-3	mg/L	7/8/2010	0.177	0.244	0.153			
Barium	7440-39-3	mg/L	7/8/2011		0.285	0.129			
Barium	7440-39-3	mg/L	8/11/2011		0.309	0.147			
Barium	7440-39-3	mg/L	10/13/2011		0.277	0.133			
Barium	7440-39-3	mg/L	4/11/2012		0.303	0.168	0.0859	0.0421	
Barium	7440-39-3	mg/L	8/1/2012		0.662	2.65			
Barium	7440-39-3	mg/L	10/11/2012			0.148			
Barium	7440-39-3	mg/L	12/13/2012				0.472		
Barium	7440-39-3	mg/L	3/30/2013	0.103			0.226		
Barium	7440-39-3	mg/L	10/5/2015			1.22			
Barium	7440-39-3	mg/L	4/4/2016			0.162			
Barium	7440-39-3	mg/L	10/17/2016		0.212				
Barium	7440-39-3	mg/L	4/17/2017					0.194	
Barium	7440-39-3	mg/L	10/11/2017		0.23	0.198	0.0558	0.0391	
Barium	7440-39-3	mg/L	3/15/2018		0.147	0.131	0.0617	0.0229	
Barium	7440-39-3	mg/L	4/26/2018		0.193	0.155	0.0667	0.0234	
Barium	7440-39-3	mg/L	10/16/2018		0.271	0.204	0.117	0.0669	

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Barium	7440-39-3	mg/L	4/16/2019		0.235	0.177	0.113	0.0286	
Barium	7440-39-3	mg/L	10/1/2019		0.151	0.127	0.0999	0.0252	
Barium	7440-39-3	mg/L	3/30/2020		0.276	0.166	0.0959	0.0286	
Barium	7440-39-3	mg/L	10/7/2020		1.67	0.24	35.3	0.0273	
Barium	7440-39-3	mg/L	4/13/2021		0.204	0.154	0.15	0.0296	
Barium	7440-39-3	mg/L	10/20/2021		0.0584	0.0286	0.163	0.0232	
Barium	7440-39-3	mg/L	5/2/2022		0.15	0.111	0.17	0.0208	
Barium	7440-39-3	mg/L	5/1/2023		0.27	0.173	0.0374	0.0379	
Barium	7440-39-3	mg/L	10/16/2023		0.189	0.145	0.261	0.0942	0.0868
Barium	7440-39-3	mg/L	12/20/2023						0.0901
Barium	7440-39-3	mg/L	3/20/2024						0.0966
Barium	7440-39-3	mg/L	4/29/2024		0.195	0.163	0.344	0.0821	0.163
Barium	7440-39-3	mg/L	10/11/2024		0.480	0.205	0.544	0.132	0.113
Barium	7440-39-3	mg/L	2/25/2025						0.123
Barium	7440-39-3	mg/L	4/30/2025		0.331	0.282	0.341	0.0782	0.119
Benzene	71-43-2	ug/L	4/14/2009	<0.5	<0.5	<0.5			
Benzene	71-43-2	ug/L	7/7/2009		<0.5	<0.5			
Benzene	71-43-2	ug/L	9/2/2009		0.64	0.71			
Benzene	71-43-2	ug/L	10/25/2009	<0.5	<0.5	<0.5			
Benzene	71-43-2	ug/L	3/3/2010	<0.5	<0.5	<0.5			
Benzene	71-43-2	ug/L	5/10/2010	<0.5	<0.5	<0.5			
Benzene	71-43-2	ug/L	7/8/2011		<0.5	<0.5			
Benzene	71-43-2	ug/L	8/11/2011		<0.5	<0.5			
Benzene	71-43-2	ug/L	10/13/2011		<0.5	<0.5			
Benzene	71-43-2	ug/L	4/11/2012		<0.5	<0.5	<0.5	<0.5	
Benzene	71-43-2	ug/L	8/1/2012		<0.5	1.94			
Benzene	71-43-2	ug/L	10/11/2012			0.6			
Benzene	71-43-2	ug/L	12/13/2012				53.5		
Benzene	71-43-2	ug/L	3/30/2013	<0.5			14.1		
Benzene	71-43-2	ug/L	10/5/2015			1.53J			
Benzene	71-43-2	ug/L	4/4/2016			<0.5			
Benzene	71-43-2	ug/L	10/17/2016		<0.5				
Benzene	71-43-2	ug/L	4/17/2017					0.143J	
Benzene	71-43-2	ug/L	10/11/2017		<0.5	0.138J	0.209J	<0.5	
Benzene	71-43-2	ug/L	3/15/2018		<0.5	0.141J	0.306J	<0.5	
Benzene	71-43-2	ug/L	4/26/2018		<0.5	<0.5	0.191J	<0.5	
Benzene	71-43-2	ug/L	10/16/2018		<0.5	<0.5	<0.5	<0.5	
Benzene	71-43-2	ug/L	4/16/2019		<0.5	<0.5	<0.5	<0.5	
Benzene	71-43-2	ug/L	10/1/2019		<0.5	<0.5	<0.5	<0.5	
Benzene	71-43-2	ug/L	3/30/2020		<0.5	0.245J	<0.5	<0.5	
Benzene	71-43-2	ug/L	10/7/2020		<0.5	1.18	<0.5	<0.5	
Benzene	71-43-2	ug/L	4/13/2021		<1	2.4	<1	<1	
Benzene	71-43-2	ug/L	10/20/2021		<1	<1	<1	<1	
Benzene	71-43-2	ug/L	5/2/2022		<1	<1	<1	<1	
Benzene	71-43-2	ug/L	5/1/2023		<0.5	0.785	<0.5	<0.5	
Benzene	71-43-2	ug/L	8/1/2023			<0.5	0.564	<0.5	<0.5
Benzene	71-43-2	ug/L	10/16/2023		<0.5	<0.5	0.701	<0.5	<0.5
Benzene	71-43-2	ug/L	12/20/2023						<0.5
Benzene	71-43-2	ug/L	3/20/2024						<0.5
Benzene	71-43-2	ug/L	4/29/2024		0.231J	<0.5	0.297J	<0.5	<0.5
Benzene	71-43-2	ug/L	10/11/2024		<0.500	<0.500	<0.500	<0.500	<0.500
Benzene	71-43-2	ug/L	2/25/2025						<0.500
Benzene	71-43-2	ug/L	4/30/2025		<0.500	<0.500	<0.500	<0.500	<0.500
Benzo [k] fluoranthene	207-08-9	ug/L	5/10/2010	<10	<10	<10			
Benzo[a]anthracene	56-55-3	ug/L	5/10/2010	<10	<10	<10			
Benzo[a]pyrene	50-32-8	ug/L	5/10/2010	<10	<10	<10			
Benzo[b]fluoranthene	205-99-2	ug/L	5/10/2010	<10	<10	<10			
Benzo[g,h,i]perylene	191-24-2	ug/L	5/10/2010	<10	<10	<10			
Benzyl alcohol	100-51-6	ug/L	5/10/2010	<10	<10	<10			
Beryllium	7440-41-7	mg/L	4/14/2009	<0.001	<0.001	<0.001			
Beryllium	7440-41-7	mg/L	7/7/2009		<0.001	<0.001			
Beryllium	7440-41-7	mg/L	9/2/2009		<0.001	<0.001			
Beryllium	7440-41-7	mg/L	10/25/2009	<0.001	<0.001	<0.001			
Beryllium	7440-41-7	mg/L	3/3/2010	<0.001	<0.001	<0.001			
Beryllium	7440-41-7	mg/L	5/10/2010	<0.0004	<0.0004	<0.0004			
Beryllium	7440-41-7	mg/L	7/8/2011		<0.001	<0.001			
Beryllium	7440-41-7	mg/L	8/11/2011		<0.001	<0.001			
Beryllium	7440-41-7	mg/L	10/13/2011		<0.001	<0.001			
Beryllium	7440-41-7	mg/L	4/11/2012		<0.001	<0.001	<0.001	<0.001	
Beryllium	7440-41-7	mg/L	8/1/2012		<0.001	<0.001			

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Beryllium	7440-41-7	mg/L	10/11/2012			<0.001			
Beryllium	7440-41-7	mg/L	12/13/2012				<0.001		
Beryllium	7440-41-7	mg/L	3/30/2013	<0.001			0.00131		
Beryllium	7440-41-7	mg/L	10/5/2015			0.000552J			
Beryllium	7440-41-7	mg/L	4/4/2016			<0.001			
Beryllium	7440-41-7	mg/L	10/17/2016		<0.001				
Beryllium	7440-41-7	mg/L	4/17/2017					<0.001	
Beryllium	7440-41-7	mg/L	10/11/2017		<0.001	<0.001	<0.001	<0.001	
Beryllium	7440-41-7	mg/L	3/15/2018		<0.001	<0.001	<0.001	<0.001	
Beryllium	7440-41-7	mg/L	4/26/2018		<0.001	<0.001	<0.001	<0.004	
Beryllium	7440-41-7	mg/L	10/16/2018		<0.001	0.000538J	<0.001	<0.001	
Beryllium	7440-41-7	mg/L	4/16/2019		<0.001	<0.001	<0.001	<0.001	
Beryllium	7440-41-7	mg/L	10/1/2019		<0.001	<0.001	<0.001	<0.001	
Beryllium	7440-41-7	mg/L	3/30/2020		<0.001	<0.001	<0.001	<0.001	
Beryllium	7440-41-7	mg/L	10/7/2020		<0.001	<0.001	0.00806	<0.001	
Beryllium	7440-41-7	mg/L	4/13/2021		<0.004	<0.004	<0.004	<0.004	
Beryllium	7440-41-7	mg/L	10/20/2021		<0.004	<0.004	<0.004	<0.004	
Beryllium	7440-41-7	mg/L	5/2/2022		<0.004	<0.004	<0.004	<0.004	
Beryllium	7440-41-7	mg/L	5/1/2023		<0.001	<0.001	<0.001	<0.001	
Beryllium	7440-41-7	mg/L	10/16/2023		<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	12/20/2023						<0.001
Beryllium	7440-41-7	mg/L	3/20/2024						<0.001
Beryllium	7440-41-7	mg/L	4/29/2024		<0.001	<0.001	<0.001	<0.001	<0.001
Beryllium	7440-41-7	mg/L	10/11/2024		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Beryllium	7440-41-7	mg/L	2/25/2025						<0.00100
Beryllium	7440-41-7	mg/L	4/30/2025		0.000692	0.000930	<0.00100	<0.00100	<0.00100
Beta-BHC	319-85-7	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Bicarbonate	BICARB	mg/L	3/15/2018		545	525	648	485	
Bis[2-chloroethoxy]methane	111-91-1	ug/L	5/10/2010	<10	<10	<10			
Bis[2-chloroethyl]ether	111-44-4	ug/L	5/10/2010	<10	<10	<10			
Bis[2-chloroisopropyl]ether	108-60-1	ug/L	5/10/2010	<10	<10	<10			
Bis[2-ethylhexyl]phthalate	117-81-7	ug/L	5/10/2010	<10	<10	<10			
Bromochloromethane	74-97-5	ug/L	4/14/2009	<5	<5	<5			
Bromochloromethane	74-97-5	ug/L	7/7/2009		<5	<5			
Bromochloromethane	74-97-5	ug/L	9/2/2009		<5	<5			
Bromochloromethane	74-97-5	ug/L	10/25/2009	<5	<5	<5			
Bromochloromethane	74-97-5	ug/L	3/3/2010	<5	<5	<5			
Bromochloromethane	74-97-5	ug/L	5/10/2010	<5	<5	<5			
Bromochloromethane	74-97-5	ug/L	7/8/2011		<5	<5			
Bromochloromethane	74-97-5	ug/L	8/11/2011		<5	<5			
Bromochloromethane	74-97-5	ug/L	10/13/2011		<5	<5			
Bromochloromethane	74-97-5	ug/L	4/11/2012		<5	<5	<5	<5	
Bromochloromethane	74-97-5	ug/L	8/1/2012		<5	<5			
Bromochloromethane	74-97-5	ug/L	10/11/2012			<5			
Bromochloromethane	74-97-5	ug/L	12/13/2012				<125		
Bromochloromethane	74-97-5	ug/L	3/30/2013	<5			<5		
Bromochloromethane	74-97-5	ug/L	10/5/2015			<50			
Bromochloromethane	74-97-5	ug/L	4/4/2016			<5			
Bromochloromethane	74-97-5	ug/L	10/17/2016		<5				
Bromochloromethane	74-97-5	ug/L	4/17/2017					<5	
Bromochloromethane	74-97-5	ug/L	10/11/2017		<5	<5	<5	<5	
Bromochloromethane	74-97-5	ug/L	3/15/2018		<5	<5	<5	<5	
Bromochloromethane	74-97-5	ug/L	4/26/2018		<5	<5	<5	<5	
Bromochloromethane	74-97-5	ug/L	10/16/2018		<5	<5	<5	<5	
Bromochloromethane	74-97-5	ug/L	4/16/2019		<5	<5	<5	<5	
Bromochloromethane	74-97-5	ug/L	10/1/2019		<5	<5	<5	<5	
Bromochloromethane	74-97-5	ug/L	3/30/2020		<5	<5	<5	<5	
Bromochloromethane	74-97-5	ug/L	10/7/2020		<5	<5	<5	<5	
Bromochloromethane	74-97-5	ug/L	4/13/2021		<1	<1	<1	<1	
Bromochloromethane	74-97-5	ug/L	10/20/2021		<1	<1	<1	<1	
Bromochloromethane	74-97-5	ug/L	5/2/2022		<1	<1	<1	<1	
Bromochloromethane	74-97-5	ug/L	5/1/2023		<5	<5	<5	<5	
Bromochloromethane	74-97-5	ug/L	8/1/2023			<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/16/2023		<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	12/20/2023						<5
Bromochloromethane	74-97-5	ug/L	3/20/2024						<5
Bromochloromethane	74-97-5	ug/L	4/29/2024		<5	<5	<5	<5	<5
Bromochloromethane	74-97-5	ug/L	10/11/2024		<5.00	<5.00	<5.00	<5.00	<5.00
Bromochloromethane	74-97-5	ug/L	2/25/2025						<5.00
Bromochloromethane	74-97-5	ug/L	4/30/2025		<5.00	<5.00	<5.00	<5.00	<5.00

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Bromodichloromethane	75-27-4	ug/L	4/14/2009	<1	<1	<1			
Bromodichloromethane	75-27-4	ug/L	7/7/2009		<1	<1			
Bromodichloromethane	75-27-4	ug/L	9/2/2009		<1	<1			
Bromodichloromethane	75-27-4	ug/L	10/25/2009	<2	<2	<2			
Bromodichloromethane	75-27-4	ug/L	3/3/2010	<1	<1	<1			
Bromodichloromethane	75-27-4	ug/L	5/10/2010	<4	<4	<4			
Bromodichloromethane	75-27-4	ug/L	7/8/2011		<1	<1			
Bromodichloromethane	75-27-4	ug/L	8/11/2011		<1	<1			
Bromodichloromethane	75-27-4	ug/L	10/13/2011		<1	<1			
Bromodichloromethane	75-27-4	ug/L	4/11/2012		<1	<1	<1	<1	
Bromodichloromethane	75-27-4	ug/L	8/1/2012		<1	<1			
Bromodichloromethane	75-27-4	ug/L	10/11/2012			<1			
Bromodichloromethane	75-27-4	ug/L	12/13/2012				<25		
Bromodichloromethane	75-27-4	ug/L	3/30/2013	<1			<1		
Bromodichloromethane	75-27-4	ug/L	10/5/2015			<10			
Bromodichloromethane	75-27-4	ug/L	4/4/2016			<1			
Bromodichloromethane	75-27-4	ug/L	10/17/2016		<1				
Bromodichloromethane	75-27-4	ug/L	4/17/2017					<1	
Bromodichloromethane	75-27-4	ug/L	10/11/2017		<1	<1	<1	<1	
Bromodichloromethane	75-27-4	ug/L	3/15/2018		<1	<1	<1	<1	
Bromodichloromethane	75-27-4	ug/L	4/26/2018		<1	<1	<1	<1	
Bromodichloromethane	75-27-4	ug/L	10/16/2018		<1	<1	<1	<1	
Bromodichloromethane	75-27-4	ug/L	4/16/2019		<1	<1	<1	<1	
Bromodichloromethane	75-27-4	ug/L	10/1/2019		<1	<1	<1	<1	
Bromodichloromethane	75-27-4	ug/L	3/30/2020		<1	<1	<1	<1	
Bromodichloromethane	75-27-4	ug/L	10/7/2020		<1	<1	<1	<1	
Bromodichloromethane	75-27-4	ug/L	4/13/2021		<1	<1	<1	<1	
Bromodichloromethane	75-27-4	ug/L	10/20/2021		<1	<1	<1	<1	
Bromodichloromethane	75-27-4	ug/L	5/2/2022		<1	<1	<1	<1	
Bromodichloromethane	75-27-4	ug/L	5/1/2023		<1	<1	1.96	2.02	
Bromodichloromethane	75-27-4	ug/L	8/1/2023			<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/16/2023		<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	12/20/2023						<1
Bromodichloromethane	75-27-4	ug/L	3/20/2024						<1
Bromodichloromethane	75-27-4	ug/L	4/29/2024		<1	<1	<1	<1	<1
Bromodichloromethane	75-27-4	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	75-27-4	ug/L	2/25/2025						<1.00
Bromodichloromethane	75-27-4	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
Bromoform	75-25-2	ug/L	4/14/2009	<5	<5	<5			
Bromoform	75-25-2	ug/L	7/7/2009		<5	<5			
Bromoform	75-25-2	ug/L	9/2/2009		<5	<5			
Bromoform	75-25-2	ug/L	10/25/2009	<10	<10	<10			
Bromoform	75-25-2	ug/L	3/3/2010	<5	<5	<5			
Bromoform	75-25-2	ug/L	5/10/2010	<20	<20	<20			
Bromoform	75-25-2	ug/L	7/8/2011		<5	<5			
Bromoform	75-25-2	ug/L	8/11/2011		<5	<5			
Bromoform	75-25-2	ug/L	10/13/2011		<5	<5			
Bromoform	75-25-2	ug/L	4/11/2012		<5	<5	<5	<5	
Bromoform	75-25-2	ug/L	8/1/2012		<5	<5			
Bromoform	75-25-2	ug/L	10/11/2012			<5			
Bromoform	75-25-2	ug/L	12/13/2012				<125		
Bromoform	75-25-2	ug/L	3/30/2013	<5			<5		
Bromoform	75-25-2	ug/L	10/5/2015			<50			
Bromoform	75-25-2	ug/L	4/4/2016			<5			
Bromoform	75-25-2	ug/L	10/17/2016		<5				
Bromoform	75-25-2	ug/L	4/17/2017					<5	
Bromoform	75-25-2	ug/L	10/11/2017		<5	<5	<5	<5	
Bromoform	75-25-2	ug/L	3/15/2018		<5	<5	<5	<5	
Bromoform	75-25-2	ug/L	4/26/2018		<5	<5	<5	<5	
Bromoform	75-25-2	ug/L	10/16/2018		<5	<5	<5	<5	
Bromoform	75-25-2	ug/L	4/16/2019		<5	<5	<5	<5	
Bromoform	75-25-2	ug/L	10/1/2019		<5	<5	<5	<5	
Bromoform	75-25-2	ug/L	3/30/2020		<5	<5	<5	<5	
Bromoform	75-25-2	ug/L	10/7/2020		<5	<5	<5	<5	
Bromoform	75-25-2	ug/L	4/13/2021		<1	<1	<1	<1	
Bromoform	75-25-2	ug/L	10/20/2021		<1	<1	<1	<1	
Bromoform	75-25-2	ug/L	5/2/2022		<1	<1	<1	<1	
Bromoform	75-25-2	ug/L	5/1/2023		<5	<5	<5	<5	
Bromoform	75-25-2	ug/L	8/1/2023			<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/16/2023		<5	<5	<5	<5	<5

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Bromoform	75-25-2	ug/L	12/20/2023						<5
Bromoform	75-25-2	ug/L	3/20/2024						<5
Bromoform	75-25-2	ug/L	4/29/2024		<5	<5	<5	<5	<5
Bromoform	75-25-2	ug/L	10/11/2024		<5.00	<5.00	<5.00	<5.00	<5.00
Bromoform	75-25-2	ug/L	2/25/2025						<5.00
Bromoform	75-25-2	ug/L	4/30/2025		<5.00	<5.00	<5.00	<5.00	<5.00
Bromomethane	74-83-9	ug/L	4/14/2009	<4	<4	<4			
Bromomethane	74-83-9	ug/L	7/7/2009		<4	<4			
Bromomethane	74-83-9	ug/L	9/2/2009		<4	<4			
Bromomethane	74-83-9	ug/L	10/25/2009	<4	<4	<4			
Bromomethane	74-83-9	ug/L	3/3/2010	<4	<4	<4			
Bromomethane	74-83-9	ug/L	5/10/2010	<4	<4	<4			
Bromomethane	74-83-9	ug/L	7/8/2011		<4	<4			
Bromomethane	74-83-9	ug/L	8/11/2011		<4	<4			
Bromomethane	74-83-9	ug/L	10/13/2011		<20	<20			
Bromomethane	74-83-9	ug/L	4/11/2012		<4	<4	<4	<4	
Bromomethane	74-83-9	ug/L	8/1/2012		<4	<4			
Bromomethane	74-83-9	ug/L	10/11/2012			<4			
Bromomethane	74-83-9	ug/L	12/13/2012				<100		
Bromomethane	74-83-9	ug/L	3/30/2013	<4			<4		
Bromomethane	74-83-9	ug/L	10/5/2015			<40			
Bromomethane	74-83-9	ug/L	4/4/2016			<4			
Bromomethane	74-83-9	ug/L	10/17/2016		<4				
Bromomethane	74-83-9	ug/L	4/17/2017					<4	
Bromomethane	74-83-9	ug/L	10/11/2017		<4	<4	<4	<4	
Bromomethane	74-83-9	ug/L	3/15/2018		<4	0.331J	0.308J	0.29J	
Bromomethane	74-83-9	ug/L	4/26/2018		<4	<4	<4	<4	
Bromomethane	74-83-9	ug/L	10/16/2018		<4	<4	<4	<4	
Bromomethane	74-83-9	ug/L	4/16/2019		<4	<4	<4	<4	
Bromomethane	74-83-9	ug/L	10/1/2019		<4	<4	<4	<4	
Bromomethane	74-83-9	ug/L	3/30/2020		<4	<4	<4	<4	
Bromomethane	74-83-9	ug/L	10/7/2020		<4	<4	<4	<4	
Bromomethane	74-83-9	ug/L	4/13/2021		<1	<1	<1	<1	
Bromomethane	74-83-9	ug/L	10/20/2021		<1	<1	<1	<1	
Bromomethane	74-83-9	ug/L	5/2/2022		<1	<1	<1	<1	
Bromomethane	74-83-9	ug/L	5/1/2023		<4	<4	<4	<4	
Bromomethane	74-83-9	ug/L	8/1/2023			<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/16/2023		<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	12/20/2023						<4
Bromomethane	74-83-9	ug/L	3/20/2024						<4
Bromomethane	74-83-9	ug/L	4/29/2024		<4	<4	<4	<4	<4
Bromomethane	74-83-9	ug/L	10/11/2024		<4.00	<4.00	<4.00	<4.00	<4.00
Bromomethane	74-83-9	ug/L	2/25/2025						<4.00
Bromomethane	74-83-9	ug/L	4/30/2025		<4.00	<4.00	<4.00	<4.00	<4.00
Butyl benzyl phthalate	85-68-7	ug/L	5/10/2010	<10	<10	<10			
Cadmium	7440-43-9	mg/L	4/14/2009	<0.0025	<0.0025	<0.0025			
Cadmium	7440-43-9	mg/L	7/7/2009		<0.0025	<0.0025			
Cadmium	7440-43-9	mg/L	9/2/2009		<0.0025	<0.0025			
Cadmium	7440-43-9	mg/L	10/25/2009	<0.0025	<0.0025	<0.0025			
Cadmium	7440-43-9	mg/L	3/3/2010	<0.0025	<0.0025	<0.0025			
Cadmium	7440-43-9	mg/L	5/10/2010	<0.0004	<0.0004	<0.0004			
Cadmium	7440-43-9	mg/L	7/8/2011		<0.0025	<0.0025			
Cadmium	7440-43-9	mg/L	8/11/2011		<0.0025	<0.0025			
Cadmium	7440-43-9	mg/L	10/13/2011		<0.0005	<0.0005			
Cadmium	7440-43-9	mg/L	4/11/2012		<0.0005	<0.0005	<0.0005	<0.0005	
Cadmium	7440-43-9	mg/L	8/1/2012		<0.0005	<0.0005			
Cadmium	7440-43-9	mg/L	10/11/2012			<0.0005			
Cadmium	7440-43-9	mg/L	12/13/2012				<0.0005		
Cadmium	7440-43-9	mg/L	3/30/2013	<0.0005			0.00101		
Cadmium	7440-43-9	mg/L	10/5/2015			0.000276J			
Cadmium	7440-43-9	mg/L	4/4/2016			<0.0005			
Cadmium	7440-43-9	mg/L	10/17/2016		0.00005J				
Cadmium	7440-43-9	mg/L	4/17/2017					<0.0005	
Cadmium	7440-43-9	mg/L	10/11/2017		<0.0005	<0.0005	<0.0005	0.00022J	
Cadmium	7440-43-9	mg/L	3/15/2018		<0.0005	<0.0005	<0.0005	0.000106J	
Cadmium	7440-43-9	mg/L	4/26/2018		<0.0005	<0.0005	<0.0005	<0.0005	
Cadmium	7440-43-9	mg/L	10/16/2018		<0.0005	<0.0005	<0.0005	<0.0005	
Cadmium	7440-43-9	mg/L	4/16/2019		<0.0005	<0.0005	<0.0005	<0.0005	
Cadmium	7440-43-9	mg/L	10/1/2019		<0.0001	<0.0001	<0.0001	<0.0001	
Cadmium	7440-43-9	mg/L	3/30/2020		<0.0001	<0.0001	<0.0001	<0.0001	

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Cadmium	7440-43-9	mg/L	10/7/2020		<0.0001	<0.0001	0.00138	<0.0001	
Cadmium	7440-43-9	mg/L	4/13/2021		<0.0008	<0.0008	<0.0008	0.0002J	
Cadmium	7440-43-9	mg/L	10/20/2021		<0.0008	0.0001J	<0.0008	<0.0008	
Cadmium	7440-43-9	mg/L	5/2/2022		<0.0008	<0.0008	<0.0008	<0.0008	
Cadmium	7440-43-9	mg/L	5/1/2023		<0.0002	0.000288	<0.0002	<0.0002	
Cadmium	7440-43-9	mg/L	10/16/2023		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Cadmium	7440-43-9	mg/L	12/20/2023						<0.0002
Cadmium	7440-43-9	mg/L	3/20/2024						<0.0002
Cadmium	7440-43-9	mg/L	4/29/2024		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Cadmium	7440-43-9	mg/L	10/11/2024		0.000134	<0.000200	<0.000200	0.000203	0.000100
Cadmium	7440-43-9	mg/L	2/25/2025						0.000269
Cadmium	7440-43-9	mg/L	4/30/2025		0.000178	0.000356	<0.000200	<0.000200	<0.000200
Calcium	7440-70-2	mg/L	3/15/2018		195	243	255	381	
Carbon Disulfide	75-15-0	ug/L	4/14/2009	<1	<1	<1			
Carbon Disulfide	75-15-0	ug/L	7/7/2009		<1	<1			
Carbon Disulfide	75-15-0	ug/L	9/2/2009		<1	<1			
Carbon Disulfide	75-15-0	ug/L	10/25/2009	<5	<5	<5			
Carbon Disulfide	75-15-0	ug/L	3/3/2010	<1	<1	<1			
Carbon Disulfide	75-15-0	ug/L	5/10/2010	<4	<4	<4			
Carbon Disulfide	75-15-0	ug/L	7/8/2011		<1	<1			
Carbon Disulfide	75-15-0	ug/L	8/11/2011		<1	<1			
Carbon Disulfide	75-15-0	ug/L	10/13/2011		<1	<1			
Carbon Disulfide	75-15-0	ug/L	4/11/2012		<1	<1	<1	<1	
Carbon Disulfide	75-15-0	ug/L	8/1/2012		<1	<1			
Carbon Disulfide	75-15-0	ug/L	10/11/2012			<1			
Carbon Disulfide	75-15-0	ug/L	12/13/2012				<25		
Carbon Disulfide	75-15-0	ug/L	3/30/2013	<1			6.23		
Carbon Disulfide	75-15-0	ug/L	10/5/2015			<10			
Carbon Disulfide	75-15-0	ug/L	4/4/2016			<1			
Carbon Disulfide	75-15-0	ug/L	10/17/2016		<1				
Carbon Disulfide	75-15-0	ug/L	4/17/2017					<1	
Carbon Disulfide	75-15-0	ug/L	10/11/2017		<1	<1	<1	<1	
Carbon Disulfide	75-15-0	ug/L	3/15/2018		<1	<1	<1	<1	
Carbon Disulfide	75-15-0	ug/L	4/26/2018		<1	<1	<1	<1	
Carbon Disulfide	75-15-0	ug/L	10/16/2018		<1	<1	<1	<1	
Carbon Disulfide	75-15-0	ug/L	4/16/2019		<1	<1	<1	<1	
Carbon Disulfide	75-15-0	ug/L	10/1/2019		<1	<1	<1	<1	
Carbon Disulfide	75-15-0	ug/L	3/30/2020		<1	<1	<1	<1	
Carbon Disulfide	75-15-0	ug/L	10/7/2020		<1	<1	<1	<1	
Carbon Disulfide	75-15-0	ug/L	4/13/2021		<1	<1	<1	<1	
Carbon Disulfide	75-15-0	ug/L	10/20/2021		<1	<1	<1	<1	
Carbon Disulfide	75-15-0	ug/L	5/2/2022		<1	<1	<1	<1	
Carbon Disulfide	75-15-0	ug/L	5/1/2023		<1	<1	<1	<1	
Carbon Disulfide	75-15-0	ug/L	8/1/2023			<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	10/16/2023		<1	<1	<1	<1	<1
Carbon Disulfide	75-15-0	ug/L	12/20/2023						<1
Carbon Disulfide	75-15-0	ug/L	3/20/2024						<1
Carbon Disulfide	75-15-0	ug/L	4/29/2024		<1	<1	<1	<1	<1
Carbon Tetrachloride	56-23-5	ug/L	4/14/2009	<2	<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	7/7/2009		<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	9/2/2009		<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	10/25/2009	<2	<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	3/3/2010	<2	<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	5/10/2010	<4	<4	<4			
Carbon Tetrachloride	56-23-5	ug/L	7/8/2011		<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	8/11/2011		<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	10/13/2011		<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	4/11/2012		<2	<2	<2	<2	
Carbon Tetrachloride	56-23-5	ug/L	8/1/2012		<2	<2			
Carbon Tetrachloride	56-23-5	ug/L	10/11/2012			<2			
Carbon Tetrachloride	56-23-5	ug/L	12/13/2012				<50		
Carbon Tetrachloride	56-23-5	ug/L	3/30/2013	<2			8.39		
Carbon Tetrachloride	56-23-5	ug/L	10/5/2015			<20			
Carbon Tetrachloride	56-23-5	ug/L	4/4/2016			<2			
Carbon Tetrachloride	56-23-5	ug/L	10/17/2016		<2				
Carbon Tetrachloride	56-23-5	ug/L	4/17/2017					<2	
Carbon Tetrachloride	56-23-5	ug/L	10/11/2017		<2	<2	<2	<2	
Carbon Tetrachloride	56-23-5	ug/L	3/15/2018		<2	<2	<2	<2	
Carbon Tetrachloride	56-23-5	ug/L	4/26/2018		<2	<2	<2	<2	
Carbon Tetrachloride	56-23-5	ug/L	10/16/2018		<2	<2	<2	<2	

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Carbon Tetrachloride	56-23-5	ug/L	4/16/2019		<2	<2	<2	<2	
Carbon Tetrachloride	56-23-5	ug/L	10/1/2019		<2	<2	<2	<2	
Carbon Tetrachloride	56-23-5	ug/L	3/30/2020		<2	<2	<2	<2	
Carbon Tetrachloride	56-23-5	ug/L	10/7/2020		<2	<2	<2	<2	
Carbon Tetrachloride	56-23-5	ug/L	4/13/2021		<1	<1	<1	<1	
Carbon Tetrachloride	56-23-5	ug/L	10/20/2021		<1	<1	<1	<1	
Carbon Tetrachloride	56-23-5	ug/L	5/2/2022		<1	<1	<1	<1	
Carbon Tetrachloride	56-23-5	ug/L	5/1/2023		<2	<2	<2	<2	
Carbon Tetrachloride	56-23-5	ug/L	8/1/2023			<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	10/16/2023		<2	<2	<2	<2	<2
Carbon Tetrachloride	56-23-5	ug/L	12/20/2023						<2
Carbon Tetrachloride	56-23-5	ug/L	3/20/2024						<2
Carbon Tetrachloride	56-23-5	ug/L	4/29/2024		<2	<2	<2	<2	<2
Carbon disulfide	75-15-0	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
Carbon disulfide	75-15-0	ug/L	2/25/2025						<1.00
Carbon disulfide	75-15-0	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
Carbon tetrachloride	56-23-5	ug/L	10/11/2024		<2.00	<2.00	<2.00	<2.00	<2.00
Carbon tetrachloride	56-23-5	ug/L	2/25/2025						<2.00
Carbon tetrachloride	56-23-5	ug/L	4/30/2025		<2.00	<2.00	<2.00	<2.00	<2.00
Carbonate	CARB	mg/L	3/15/2018		<5	<5	<5	<5	
Chlordane	57-74-9	ug/L	5/10/2010	<2	<2	<2			
Chloride	16887-00-6	mg/L	3/15/2018		12.6	22.9	16.7	14.8	
Chlorobenzene	108-90-7	ug/L	4/14/2009	<1	<1	<1			
Chlorobenzene	108-90-7	ug/L	7/7/2009		<1	<1			
Chlorobenzene	108-90-7	ug/L	9/2/2009		<1	<1			
Chlorobenzene	108-90-7	ug/L	10/25/2009	<2	<2	<2			
Chlorobenzene	108-90-7	ug/L	3/3/2010	<1	<1	<1			
Chlorobenzene	108-90-7	ug/L	5/10/2010	<1	<1	<1			
Chlorobenzene	108-90-7	ug/L	7/8/2011		<1	<1			
Chlorobenzene	108-90-7	ug/L	8/11/2011		<1	<1			
Chlorobenzene	108-90-7	ug/L	10/13/2011		<1	<1			
Chlorobenzene	108-90-7	ug/L	4/11/2012		<1	<1	<1	<1	
Chlorobenzene	108-90-7	ug/L	8/1/2012		<1	<1			
Chlorobenzene	108-90-7	ug/L	10/11/2012			<1			
Chlorobenzene	108-90-7	ug/L	12/13/2012				<25		
Chlorobenzene	108-90-7	ug/L	3/30/2013	<1			<1		
Chlorobenzene	108-90-7	ug/L	10/5/2015			<10			
Chlorobenzene	108-90-7	ug/L	4/4/2016			<1			
Chlorobenzene	108-90-7	ug/L	10/17/2016		<1				
Chlorobenzene	108-90-7	ug/L	4/17/2017					<1	
Chlorobenzene	108-90-7	ug/L	10/11/2017		<1	<1	<1	<1	
Chlorobenzene	108-90-7	ug/L	3/15/2018		<1	<1	<1	<1	
Chlorobenzene	108-90-7	ug/L	4/26/2018		<1	<1	<1	<1	
Chlorobenzene	108-90-7	ug/L	10/16/2018		<1	<1	<1	<1	
Chlorobenzene	108-90-7	ug/L	4/16/2019		<1	<1	<1	<1	
Chlorobenzene	108-90-7	ug/L	10/1/2019		<1	<1	<1	<1	
Chlorobenzene	108-90-7	ug/L	3/30/2020		<1	<1	<1	<1	
Chlorobenzene	108-90-7	ug/L	10/7/2020		<1	<1	<1	<1	
Chlorobenzene	108-90-7	ug/L	4/13/2021		<1	<1	<1	<1	
Chlorobenzene	108-90-7	ug/L	10/20/2021		<1	<1	<1	<1	
Chlorobenzene	108-90-7	ug/L	5/2/2022		<1	<1	<1	<1	
Chlorobenzene	108-90-7	ug/L	5/1/2023		<1	<1	<1	<1	
Chlorobenzene	108-90-7	ug/L	8/1/2023			<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/16/2023		<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	12/20/2023						<1
Chlorobenzene	108-90-7	ug/L	3/20/2024						<1
Chlorobenzene	108-90-7	ug/L	4/29/2024		<1	<1	<1	<1	<1
Chlorobenzene	108-90-7	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzene	108-90-7	ug/L	2/25/2025						<1.00
Chlorobenzene	108-90-7	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzilate	510-15-6	ug/L	5/10/2010	<10	<10	<10			
Chlorodibromomethane	124-48-1	ug/L	4/14/2009	<5	<5	<5			
Chlorodibromomethane	124-48-1	ug/L	7/7/2009		<5	<5			
Chlorodibromomethane	124-48-1	ug/L	9/2/2009		<5	<5			
Chlorodibromomethane	124-48-1	ug/L	10/25/2009	<5	<5	<5			
Chlorodibromomethane	124-48-1	ug/L	3/3/2010	<5	<5	<5			
Chlorodibromomethane	124-48-1	ug/L	5/10/2010	<5	<5	<5			
Chlorodibromomethane	124-48-1	ug/L	7/8/2011		<5	<5			
Chlorodibromomethane	124-48-1	ug/L	8/11/2011		<5	<5			
Chlorodibromomethane	124-48-1	ug/L	10/13/2011		<5	<5			

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Chlorodibromomethane	124-48-1	ug/L	4/11/2012		<5	<5	<5	<5	
Chlorodibromomethane	124-48-1	ug/L	8/1/2012		<5	<5			
Chlorodibromomethane	124-48-1	ug/L	10/11/2012			<5			
Chlorodibromomethane	124-48-1	ug/L	12/13/2012				<125		
Chlorodibromomethane	124-48-1	ug/L	3/30/2013	<5			<5		
Chlorodibromomethane	124-48-1	ug/L	10/5/2015			<50			
Chlorodibromomethane	124-48-1	ug/L	4/4/2016			<5			
Chlorodibromomethane	124-48-1	ug/L	10/17/2016		<5				
Chlorodibromomethane	124-48-1	ug/L	4/17/2017					<5	
Chlorodibromomethane	124-48-1	ug/L	10/11/2017		<5	<5	<5	<5	
Chlorodibromomethane	124-48-1	ug/L	3/15/2018		<5	<5	<5	<5	
Chlorodibromomethane	124-48-1	ug/L	4/26/2018		<5	<5	<5	<5	
Chlorodibromomethane	124-48-1	ug/L	10/16/2018		<5	<5	<5	<5	
Chlorodibromomethane	124-48-1	ug/L	4/16/2019		<5	<5	<5	<5	
Chlorodibromomethane	124-48-1	ug/L	10/1/2019		<5	<5	<5	<5	
Chlorodibromomethane	124-48-1	ug/L	3/30/2020		<5	<5	<5	<5	
Chlorodibromomethane	124-48-1	ug/L	10/7/2020		<5	<5	<5	<5	
Chlorodibromomethane	124-48-1	ug/L	4/13/2021		<1	<1	<1	<1	
Chlorodibromomethane	124-48-1	ug/L	10/20/2021		<1	<1	<1	<1	
Chlorodibromomethane	124-48-1	ug/L	5/2/2022		<1	<1	<1	<1	
Chlorodibromomethane	124-48-1	ug/L	5/1/2023		<5	<5	1.38J	<5	
Chlorodibromomethane	124-48-1	ug/L	8/1/2023			<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/16/2023		<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	12/20/2023						<5
Chlorodibromomethane	124-48-1	ug/L	3/20/2024						<5
Chlorodibromomethane	124-48-1	ug/L	4/29/2024		<5	<5	<5	<5	<5
Chlorodibromomethane	124-48-1	ug/L	10/11/2024		<5.00	<5.00	<5.00	<5.00	<5.00
Chlorodibromomethane	124-48-1	ug/L	2/25/2025						<5.00
Chlorodibromomethane	124-48-1	ug/L	4/30/2025		<5.00	<5.00	<5.00	<5.00	<5.00
Chloroethane	75-00-3	ug/L	4/14/2009	<4	<4	<4			
Chloroethane	75-00-3	ug/L	7/7/2009		<4	<4			
Chloroethane	75-00-3	ug/L	9/2/2009		<4	<4			
Chloroethane	75-00-3	ug/L	10/25/2009	<4	<4	<4			
Chloroethane	75-00-3	ug/L	3/3/2010	<4	<4	<4			
Chloroethane	75-00-3	ug/L	5/10/2010	<4	<4	<4			
Chloroethane	75-00-3	ug/L	7/8/2011		<4	<4			
Chloroethane	75-00-3	ug/L	8/11/2011		<4	<4			
Chloroethane	75-00-3	ug/L	10/13/2011		<4	<4			
Chloroethane	75-00-3	ug/L	4/11/2012		<4	<4	<4	<4	
Chloroethane	75-00-3	ug/L	8/1/2012		<4	<4			
Chloroethane	75-00-3	ug/L	10/11/2012			<4			
Chloroethane	75-00-3	ug/L	12/13/2012				<100		
Chloroethane	75-00-3	ug/L	3/30/2013	<4			<4		
Chloroethane	75-00-3	ug/L	10/5/2015			<40			
Chloroethane	75-00-3	ug/L	4/4/2016			<4			
Chloroethane	75-00-3	ug/L	10/17/2016		<4				
Chloroethane	75-00-3	ug/L	4/17/2017					<4	
Chloroethane	75-00-3	ug/L	10/11/2017		<4	<4	<4	<4	
Chloroethane	75-00-3	ug/L	3/15/2018		<4	<4	<4	<4	
Chloroethane	75-00-3	ug/L	4/26/2018		<4	<4	<4	<4	
Chloroethane	75-00-3	ug/L	10/16/2018		<4	<4	<4	<4	
Chloroethane	75-00-3	ug/L	4/16/2019		<4	<4	<4	<4	
Chloroethane	75-00-3	ug/L	10/1/2019		<4	<4	<4	<4	
Chloroethane	75-00-3	ug/L	3/30/2020		<4	<4	<4	<4	
Chloroethane	75-00-3	ug/L	10/7/2020		<4	<4	<4	<4	
Chloroethane	75-00-3	ug/L	4/13/2021		<1	<1	<1	<1	
Chloroethane	75-00-3	ug/L	10/20/2021		<1	<1	<1	<1	
Chloroethane	75-00-3	ug/L	5/2/2022		<1	<1	<1	<1	
Chloroethane	75-00-3	ug/L	5/1/2023		<4	<4	<4	<4	
Chloroethane	75-00-3	ug/L	8/1/2023			<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/16/2023		<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	12/20/2023						<4
Chloroethane	75-00-3	ug/L	3/20/2024						<4
Chloroethane	75-00-3	ug/L	4/29/2024		<4	<4	<4	<4	<4
Chloroethane	75-00-3	ug/L	10/11/2024		<4.00	<4.00	<4.00	<4.00	<4.00
Chloroethane	75-00-3	ug/L	2/25/2025						<4.00
Chloroethane	75-00-3	ug/L	4/30/2025		<4.00	<4.00	<4.00	<4.00	<4.00
Chloroform	67-66-3	ug/L	4/14/2009	<1	<1	<1			
Chloroform	67-66-3	ug/L	7/7/2009		<1	<1			
Chloroform	67-66-3	ug/L	9/2/2009		<1	<1			

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Chloroform	67-66-3	ug/L	10/25/2009	<2	<2	<2			
Chloroform	67-66-3	ug/L	3/3/2010	<1	<1	<1			
Chloroform	67-66-3	ug/L	5/10/2010	<1	<1	<1			
Chloroform	67-66-3	ug/L	7/8/2011		<1	<1			
Chloroform	67-66-3	ug/L	8/11/2011		<1	<1			
Chloroform	67-66-3	ug/L	10/13/2011		<1	<1			
Chloroform	67-66-3	ug/L	4/11/2012		<1	<1	<1	<1	
Chloroform	67-66-3	ug/L	8/1/2012		<1	<1			
Chloroform	67-66-3	ug/L	10/11/2012			<1			
Chloroform	67-66-3	ug/L	12/13/2012				<25		
Chloroform	67-66-3	ug/L	3/30/2013	<1			<1		
Chloroform	67-66-3	ug/L	10/5/2015			6.38J			
Chloroform	67-66-3	ug/L	4/4/2016			<1			
Chloroform	67-66-3	ug/L	10/17/2016		<1				
Chloroform	67-66-3	ug/L	4/17/2017					<1	
Chloroform	67-66-3	ug/L	10/11/2017		<1	<1	<1	<1	
Chloroform	67-66-3	ug/L	3/15/2018		<1	<1	<1	<1	
Chloroform	67-66-3	ug/L	4/26/2018		<1	<1	<1	<1	
Chloroform	67-66-3	ug/L	10/16/2018		<3	<3	<3	<3	
Chloroform	67-66-3	ug/L	4/16/2019		<3	<3	<3	<3	
Chloroform	67-66-3	ug/L	10/1/2019		<3	<3	<3	<3	
Chloroform	67-66-3	ug/L	3/30/2020		<3	<3	<3	<3	
Chloroform	67-66-3	ug/L	10/7/2020		<3	<3	<3	<3	
Chloroform	67-66-3	ug/L	4/13/2021		<1	<1	<1	<1	
Chloroform	67-66-3	ug/L	10/20/2021		<1	<1	<1	<1	
Chloroform	67-66-3	ug/L	5/2/2022		<1	<1	<1	<1	
Chloroform	67-66-3	ug/L	5/1/2023		<3	<3	6.75	8.17	
Chloroform	67-66-3	ug/L	8/1/2023			<3	<3	<3	<3
Chloroform	67-66-3	ug/L	10/16/2023		<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	12/20/2023						<3
Chloroform	67-66-3	ug/L	3/20/2024						<3
Chloroform	67-66-3	ug/L	4/29/2024		<3	<3	<3	<3	<3
Chloroform	67-66-3	ug/L	10/11/2024		<3.00	<3.00	<3.00	<3.00	<3.00
Chloroform	67-66-3	ug/L	2/25/2025						<3.00
Chloroform	67-66-3	ug/L	4/30/2025		<3.00	<3.00	<3.00	<3.00	<3.00
Chloromethane	74-87-3	ug/L	4/14/2009	<3	<3	<3			
Chloromethane	74-87-3	ug/L	7/7/2009		<3	<3			
Chloromethane	74-87-3	ug/L	9/2/2009		<3	<3			
Chloromethane	74-87-3	ug/L	10/25/2009	<3	<3	<3			
Chloromethane	74-87-3	ug/L	3/3/2010	<3	<3	<3			
Chloromethane	74-87-3	ug/L	5/10/2010	<3	<3	<3			
Chloromethane	74-87-3	ug/L	7/8/2011		<3	<3			
Chloromethane	74-87-3	ug/L	8/11/2011		<3	<3			
Chloromethane	74-87-3	ug/L	10/13/2011		<3	<3			
Chloromethane	74-87-3	ug/L	4/11/2012		<3	<3	<3	<3	
Chloromethane	74-87-3	ug/L	8/1/2012		<3	<3			
Chloromethane	74-87-3	ug/L	10/11/2012			<3			
Chloromethane	74-87-3	ug/L	12/13/2012				<75		
Chloromethane	74-87-3	ug/L	3/30/2013	<3			<3		
Chloromethane	74-87-3	ug/L	10/5/2015			<30			
Chloromethane	74-87-3	ug/L	4/4/2016			<3			
Chloromethane	74-87-3	ug/L	10/17/2016		<3				
Chloromethane	74-87-3	ug/L	4/17/2017					<3	
Chloromethane	74-87-3	ug/L	10/11/2017		<3	0.677J	<3	<3	
Chloromethane	74-87-3	ug/L	3/15/2018		<3	<3	<3	<3	
Chloromethane	74-87-3	ug/L	4/26/2018		<3	<3	<3	<3	
Chloromethane	74-87-3	ug/L	10/16/2018		<3	<3	<3	<3	
Chloromethane	74-87-3	ug/L	4/16/2019		<3	<3	<3	<3	
Chloromethane	74-87-3	ug/L	10/1/2019		<3	<3	<3	<3	
Chloromethane	74-87-3	ug/L	3/30/2020		<3	<3	<3	<3	
Chloromethane	74-87-3	ug/L	10/7/2020		<3	<3	<3	<3	
Chloromethane	74-87-3	ug/L	4/13/2021		<1	<1	<1	<1	
Chloromethane	74-87-3	ug/L	10/20/2021		<1	<1	<1	<1	
Chloromethane	74-87-3	ug/L	5/2/2022		<1	<1	<1	<1	
Chloromethane	74-87-3	ug/L	5/1/2023		<3	<3	<3	<3	
Chloromethane	74-87-3	ug/L	8/1/2023			<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	10/16/2023		<3	<3	<3	<3	<3
Chloromethane	74-87-3	ug/L	12/20/2023						<3
Chloromethane	74-87-3	ug/L	3/20/2024						<3
Chloromethane	74-87-3	ug/L	4/29/2024		<3	<3	<3	<3	<3

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Chloromethane	74-87-3	ug/L	10/11/2024		<3.00	<3.00	<3.00	<3.00	<3.00
Chloromethane	74-87-3	ug/L	2/25/2025						<3.00
Chloromethane	74-87-3	ug/L	4/30/2025		<3.00	<3.00	<3.00	<3.00	<3.00
Chloroprene	126-99-8	ug/L	5/10/2010	<1	<1	<1			
Chromium	7440-47-3	mg/L	4/14/2009	<0.1	<0.1	<0.1			
Chromium	7440-47-3	mg/L	7/7/2009		<0.1	<0.1			
Chromium	7440-47-3	mg/L	9/2/2009		<0.1	<0.1			
Chromium	7440-47-3	mg/L	10/25/2009	<0.1	<0.1	<0.1			
Chromium	7440-47-3	mg/L	3/3/2010	<0.1	<0.1	<0.1			
Chromium	7440-47-3	mg/L	5/10/2010	<0.02	<0.02	<0.02			
Chromium	7440-47-3	mg/L	7/8/2011		<0.1	<0.1			
Chromium	7440-47-3	mg/L	8/11/2011		<0.1	<0.1			
Chromium	7440-47-3	mg/L	10/13/2011		<0.02	<0.02			
Chromium	7440-47-3	mg/L	4/11/2012		<0.02	<0.02	<0.02	<0.02	
Chromium	7440-47-3	mg/L	8/1/2012		<0.02	<0.02			
Chromium	7440-47-3	mg/L	10/11/2012			<0.02			
Chromium	7440-47-3	mg/L	12/13/2012				<0.02		
Chromium	7440-47-3	mg/L	3/30/2013	<0.02			<0.02		
Chromium	7440-47-3	mg/L	10/5/2015			<0.005			
Chromium	7440-47-3	mg/L	4/4/2016			<0.005			
Chromium	7440-47-3	mg/L	10/17/2016		<0.005				
Chromium	7440-47-3	mg/L	4/17/2017					<0.005	
Chromium	7440-47-3	mg/L	10/11/2017		<0.005	<0.005	<0.005	<0.005	
Chromium	7440-47-3	mg/L	3/15/2018		<0.005	<0.005	<0.005	<0.005	
Chromium	7440-47-3	mg/L	4/26/2018		0.0012J	<0.005	<0.005	<0.02	
Chromium	7440-47-3	mg/L	10/16/2018		0.0136	0.0162	0.00757	0.0066	
Chromium	7440-47-3	mg/L	4/16/2019		<0.005	<0.005	<0.005	<0.005	
Chromium	7440-47-3	mg/L	10/1/2019		<0.005	<0.005	<0.005	<0.005	
Chromium	7440-47-3	mg/L	3/30/2020		<0.005	<0.005	<0.005	<0.005	
Chromium	7440-47-3	mg/L	10/7/2020		<0.005	<0.005	0.0448	<0.005	
Chromium	7440-47-3	mg/L	4/13/2021		<0.008	<0.008	<0.008	<0.008	
Chromium	7440-47-3	mg/L	10/20/2021		<0.008	<0.008	<0.008	<0.008	
Chromium	7440-47-3	mg/L	5/2/2022		<0.008	<0.008	<0.008	<0.008	
Chromium	7440-47-3	mg/L	5/1/2023		<0.005	<0.005	<0.005	<0.005	
Chromium	7440-47-3	mg/L	10/16/2023		0.00364J	<0.005	<0.005	0.0055	<0.005
Chromium	7440-47-3	mg/L	12/20/2023						<0.005
Chromium	7440-47-3	mg/L	3/20/2024						<0.005
Chromium	7440-47-3	mg/L	4/29/2024		<0.005	<0.005	<0.005	<0.005	<0.005
Chromium	7440-47-3	mg/L	10/11/2024		0.0126	<0.00500	0.00361	0.00469	<0.00500
Chromium	7440-47-3	mg/L	2/25/2025						0.00286J
Chromium	7440-47-3	mg/L	4/30/2025		0.0134	0.0148	<0.00500	<0.00500	<0.00500
Chrysene	218-01-9	ug/L	5/10/2010	<10	<10	<10			
Cobalt	7440-48-4	mg/L	4/14/2009	<0.02	<0.02	<0.02			
Cobalt	7440-48-4	mg/L	7/7/2009		<0.02	<0.02			
Cobalt	7440-48-4	mg/L	9/2/2009		<0.02	<0.02			
Cobalt	7440-48-4	mg/L	10/25/2009	<0.02	<0.02	<0.02			
Cobalt	7440-48-4	mg/L	3/3/2010	<0.02	<0.02	<0.02			
Cobalt	7440-48-4	mg/L	5/10/2010	0.00326	0.00693	0.00242			
Cobalt	7440-48-4	mg/L	7/8/2010	0.00351	0.00589	0.00159			
Cobalt	7440-48-4	mg/L	7/8/2011		0.0125	0.00419			
Cobalt	7440-48-4	mg/L	8/11/2011		0.00875	0.00489			
Cobalt	7440-48-4	mg/L	10/13/2011		0.00506	0.00351			
Cobalt	7440-48-4	mg/L	4/11/2012		0.00529	0.00451	0.00811	<0.02	
Cobalt	7440-48-4	mg/L	8/1/2012		0.00719	0.0309			
Cobalt	7440-48-4	mg/L	10/11/2012			0.00331			
Cobalt	7440-48-4	mg/L	12/13/2012				0.0394		
Cobalt	7440-48-4	mg/L	3/30/2013	0.00139			0.015		
Cobalt	7440-48-4	mg/L	10/5/2015			0.0528			
Cobalt	7440-48-4	mg/L	4/4/2016			0.00121			
Cobalt	7440-48-4	mg/L	10/17/2016		0.000907				
Cobalt	7440-48-4	mg/L	4/17/2017					0.00146	
Cobalt	7440-48-4	mg/L	10/11/2017		0.00393	0.00467	0.00741	0.00146	
Cobalt	7440-48-4	mg/L	3/15/2018		0.00129	0.00461	0.0032	0.000474J	
Cobalt	7440-48-4	mg/L	4/26/2018		0.000781	0.00424	0.00324	<0.002	
Cobalt	7440-48-4	mg/L	10/16/2018		0.00655	0.0076	0.00835	0.00208	
Cobalt	7440-48-4	mg/L	4/16/2019		0.00243	0.00219	0.00123	0.000931	
Cobalt	7440-48-4	mg/L	10/1/2019		0.00469	0.00121	0.000816	0.000101J	
Cobalt	7440-48-4	mg/L	3/30/2020		0.00457	0.00305	0.000829	0.000123J	
Cobalt	7440-48-4	mg/L	10/7/2020		0.0182	0.00534	0.07	0.000139J	
Cobalt	7440-48-4	mg/L	4/13/2021		0.0015	0.0036	0.0007	0.0006	

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Cobalt	7440-48-4	mg/L	10/20/2021		0.0033	0.0003J	0.0006	<0.0004	
Cobalt	7440-48-4	mg/L	5/2/2022		0.0006	0.0017	0.0011	0.0004	
Cobalt	7440-48-4	mg/L	5/1/2023		0.000625	0.00209	0.00069	0.000733	
Cobalt	7440-48-4	mg/L	10/16/2023		0.0012	0.00335	0.0106	0.00237	0.0012
Cobalt	7440-48-4	mg/L	12/20/2023						0.000658
Cobalt	7440-48-4	mg/L	3/20/2024						0.000881
Cobalt	7440-48-4	mg/L	4/29/2024		0.207	0.00239	0.00152	<0.0005	0.0633
Cobalt	7440-48-4	mg/L	10/11/2024		0.0179	0.00192	0.00456	0.00511	0.000769
Cobalt	7440-48-4	mg/L	2/25/2025						0.000711
Cobalt	7440-48-4	mg/L	4/30/2025		0.00990	0.0133	0.00104	0.000990	0.000324
Copper	7440-50-8	mg/L	4/14/2009	<0.025	<0.025	<0.025			
Copper	7440-50-8	mg/L	7/7/2009		<0.025	<0.025			
Copper	7440-50-8	mg/L	9/2/2009		<0.025	<0.025			
Copper	7440-50-8	mg/L	10/25/2009	<0.025	<0.025	<0.025			
Copper	7440-50-8	mg/L	3/3/2010	<0.025	<0.025	<0.025			
Copper	7440-50-8	mg/L	5/10/2010	<0.02	<0.02	<0.02			
Copper	7440-50-8	mg/L	7/8/2011		<0.025	<0.025			
Copper	7440-50-8	mg/L	8/11/2011		<0.025	<0.025			
Copper	7440-50-8	mg/L	10/13/2011		<0.02	<0.02			
Copper	7440-50-8	mg/L	4/11/2012		<0.02	<0.02	<0.02	<0.02	
Copper	7440-50-8	mg/L	8/1/2012		<0.02	<0.02			
Copper	7440-50-8	mg/L	10/11/2012			<0.02			
Copper	7440-50-8	mg/L	12/13/2012				<0.02		
Copper	7440-50-8	mg/L	3/30/2013	<0.02			<0.02		
Copper	7440-50-8	mg/L	10/5/2015			<0.002			
Copper	7440-50-8	mg/L	4/4/2016			<0.005			
Copper	7440-50-8	mg/L	10/17/2016		<0.005				
Copper	7440-50-8	mg/L	4/17/2017					<0.005	
Copper	7440-50-8	mg/L	10/11/2017		<0.005	<0.005	<0.005	<0.005	
Copper	7440-50-8	mg/L	3/15/2018		<0.005	<0.005	<0.005	<0.005	
Copper	7440-50-8	mg/L	4/26/2018		0.00171J	<0.005	<0.005	<0.02	
Copper	7440-50-8	mg/L	10/16/2018		0.00896	0.0112	0.00505	0.00498	
Copper	7440-50-8	mg/L	4/16/2019		<0.005	<0.005	<0.005	<0.005	
Copper	7440-50-8	mg/L	10/1/2019		<0.005	<0.005	<0.005	<0.005	
Copper	7440-50-8	mg/L	3/30/2020		<0.005	<0.005	<0.005	<0.005	
Copper	7440-50-8	mg/L	10/7/2020		<0.005	<0.005	0.053	<0.005	
Copper	7440-50-8	mg/L	4/13/2021		<0.004	<0.004	<0.004	<0.004	
Copper	7440-50-8	mg/L	10/20/2021		<0.004	<0.004	0.0052	<0.004	
Copper	7440-50-8	mg/L	5/2/2022		<0.004	<0.004	<0.004	<0.004	
Copper	7440-50-8	mg/L	5/1/2023		<0.005	<0.005	<0.005	<0.005	
Copper	7440-50-8	mg/L	10/16/2023		0.00299J	<0.005	<0.005	0.00395J	<0.005
Copper	7440-50-8	mg/L	12/20/2023						<0.005
Copper	7440-50-8	mg/L	3/20/2024						<0.005
Copper	7440-50-8	mg/L	4/29/2024		<0.005	<0.005	<0.005	<0.005	<0.005
Copper	7440-50-8	mg/L	10/11/2024		0.00956	<0.00500	0.00320	0.00458	<0.00500
Copper	7440-50-8	mg/L	2/25/2025						0.00980
Copper	7440-50-8	mg/L	4/30/2025		0.0114	0.0179	<0.00500	<0.00500	<0.00500
Cyanide	57-12-5	mg/L	5/10/2010	<0.01	<0.01	<0.01			
Delta-BHC	319-86-8	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Di-n-butyl phthalate	84-74-2	ug/L	5/10/2010	<10	<10	<10			
Di-n-octyl phthalate	117-84-0	ug/L	5/10/2010	<10	<10	<10			
Diallate	2303-16-4	ug/L	5/10/2010	<10	<10	<10			
Dibenz [a,h] anthracene	53-70-3	ug/L	5/10/2010	<10	<10	<10			
Dibenzofuran	132-64-9	ug/L	5/10/2010	<10	<10	<10			
Dibromomethane	74-95-3	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
Dibromomethane	74-95-3	ug/L	2/25/2025						<1.00
Dibromomethane	74-95-3	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
Dichlorodifluoromethane	75-71-8	ug/L	5/10/2010	<3	<3	<3			
Dichlorodifluoromethane	75-71-8	ug/L	2/25/2025						<3.00
Dieldrin	60-57-1	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Diethyl phthalate	84-66-2	ug/L	5/10/2010	<10	<10	<10			
Dimethoate	60-51-5	ug/L	5/10/2010	<10	<10	<10			
Dimethyl phthalate	131-11-3	ug/L	5/10/2010	<10	<10	<10			
Dimethylaminoazobenzene	60-11-7	ug/L	5/10/2010	<10	<10	<10			
Dinoseb	88-85-7	ug/L	5/10/2010	<10	<10	<10			
Diphenylamine	122-39-4	ug/L	5/10/2010	<10	<10	<10			
Disulfoton	298-04-4	ug/L	5/10/2010	<10	<10	<10			
Endosulfan I	959-98-8	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Endosulfan II	33213-65-9	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Endosulfan sulfate	1031-07-8	ug/L	5/10/2010	<0.032	<0.032	<0.032			

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Endrin	72-20-8	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Endrin aldehyde	7421-93-4	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Ethyl Methacrylate	97-63-2	ug/L	5/10/2010	<20	<20	<20			
Ethyl Methanesulfonate	62-50-0	ug/L	5/10/2010	<10	<10	<10			
Ethylbenzene	100-41-4	ug/L	4/14/2009	<1	<1	<1			
Ethylbenzene	100-41-4	ug/L	7/7/2009		<1	<1			
Ethylbenzene	100-41-4	ug/L	9/2/2009		<1	<1			
Ethylbenzene	100-41-4	ug/L	10/25/2009	<2	<2	<2			
Ethylbenzene	100-41-4	ug/L	3/3/2010	<1	<1	<1			
Ethylbenzene	100-41-4	ug/L	5/10/2010	<1	<1	<1			
Ethylbenzene	100-41-4	ug/L	7/8/2011		<1	<1			
Ethylbenzene	100-41-4	ug/L	8/11/2011		<1	<1			
Ethylbenzene	100-41-4	ug/L	10/13/2011		<1	<1			
Ethylbenzene	100-41-4	ug/L	4/11/2012		<1	<1	<1	<1	
Ethylbenzene	100-41-4	ug/L	8/1/2012		<1	<1			
Ethylbenzene	100-41-4	ug/L	10/11/2012			<1			
Ethylbenzene	100-41-4	ug/L	12/13/2012				136		
Ethylbenzene	100-41-4	ug/L	3/30/2013	<1			34.8		
Ethylbenzene	100-41-4	ug/L	10/5/2015			15.7			
Ethylbenzene	100-41-4	ug/L	4/4/2016			<1			
Ethylbenzene	100-41-4	ug/L	10/17/2016		<1				
Ethylbenzene	100-41-4	ug/L	4/17/2017					<1	
Ethylbenzene	100-41-4	ug/L	10/11/2017		<1	<1	<1	<1	
Ethylbenzene	100-41-4	ug/L	3/15/2018		<1	<1	<1	<1	
Ethylbenzene	100-41-4	ug/L	4/26/2018		<1	<1	<1	<1	
Ethylbenzene	100-41-4	ug/L	10/16/2018		<1	<1	<1	<1	
Ethylbenzene	100-41-4	ug/L	4/16/2019		<1	<1	<1	<1	
Ethylbenzene	100-41-4	ug/L	10/1/2019		<1	<1	<1	<1	
Ethylbenzene	100-41-4	ug/L	3/30/2020		<1	<1	<1	<1	
Ethylbenzene	100-41-4	ug/L	10/7/2020		<1	<1	<1	<1	
Ethylbenzene	100-41-4	ug/L	4/13/2021		<1	<1	<1	<1	
Ethylbenzene	100-41-4	ug/L	10/20/2021		<1	<1	<1	<1	
Ethylbenzene	100-41-4	ug/L	5/2/2022		<1	<1	<1	<1	
Ethylbenzene	100-41-4	ug/L	5/1/2023		<1	<1	<1	<1	
Ethylbenzene	100-41-4	ug/L	8/1/2023			<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/16/2023		<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	12/20/2023						<1
Ethylbenzene	100-41-4	ug/L	3/20/2024						<1
Ethylbenzene	100-41-4	ug/L	4/29/2024		<1	<1	<1	<1	<1
Ethylbenzene	100-41-4	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	100-41-4	ug/L	2/25/2025						<1.00
Ethylbenzene	100-41-4	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
Famphur	52-85-7	ug/L	5/10/2010	<20	<20	<20			
Fluoranthene	206-44-0	ug/L	5/10/2010	<10	<10	<10			
Fluorene	86-73-7	ug/L	5/10/2010	<10	<10	<10			
Gamma-BHC [Lindane]	58-89-9	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Gamma-Chlordane	5566-34-7	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Heptachlor	76-44-8	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Heptachlor Epoxide	1024-57-3	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Hexachlorobenzene	118-74-1	ug/L	5/10/2010	<10	<10	<10			
Hexachlorobutadiene	87-68-3	ug/L	5/10/2010	<10	<10	<10			
Hexachlorocyclopentadiene	77-47-4	ug/L	5/10/2010	<10	<10	<10			
Hexachloroethane	67-72-1	ug/L	5/10/2010	<10	<10	<10			
Hexachloropropene	1888-71-7	ug/L	5/10/2010	<10	<10	<10			
Indeno [1,2,3-cd] pyrene	193-39-5	ug/L	5/10/2010	<10	<10	<10			
Iodomethane	74-88-4	ug/L	4/14/2009	<10	<10	<10			
Iodomethane	74-88-4	ug/L	7/7/2009		<20	<10			
Iodomethane	74-88-4	ug/L	9/2/2009		<20	<20			
Iodomethane	74-88-4	ug/L	10/25/2009	<10	<10	<10			
Iodomethane	74-88-4	ug/L	3/3/2010	<10	<10	<10			
Iodomethane	74-88-4	ug/L	5/10/2010	<10	<10	<10			
Iodomethane	74-88-4	ug/L	7/8/2011		<10	<10			
Iodomethane	74-88-4	ug/L	8/11/2011		<10	<10			
Iodomethane	74-88-4	ug/L	10/13/2011		<20	<20			
Iodomethane	74-88-4	ug/L	4/11/2012		<10	<10	<10	<10	
Iodomethane	74-88-4	ug/L	8/1/2012		<10	<10			
Iodomethane	74-88-4	ug/L	10/11/2012			<10			
Iodomethane	74-88-4	ug/L	12/13/2012				<250		
Iodomethane	74-88-4	ug/L	3/30/2013	<10			<10		
Iodomethane	74-88-4	ug/L	10/5/2015			<100			

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Iodomethane	74-88-4	ug/L	4/4/2016			<10			
Iodomethane	74-88-4	ug/L	10/17/2016		<10				
Iodomethane	74-88-4	ug/L	4/17/2017					<10	
Iodomethane	74-88-4	ug/L	10/11/2017		<10	<10	<10	<10	
Iodomethane	74-88-4	ug/L	3/15/2018		<10	<10	<10	<10	
Iodomethane	74-88-4	ug/L	4/26/2018		<10	<10	<10	<10	
Iodomethane	74-88-4	ug/L	10/16/2018		<10	<10	<10	<10	
Iodomethane	74-88-4	ug/L	4/16/2019		<10	<10	<10	<10	
Iodomethane	74-88-4	ug/L	10/1/2019		<10	<10	<10	<10	
Iodomethane	74-88-4	ug/L	3/30/2020		<10	<10	<10	<10	
Iodomethane	74-88-4	ug/L	10/7/2020		<10	<10	<10	<10	
Iodomethane	74-88-4	ug/L	4/13/2021		<1	<1	<1	<1	
Iodomethane	74-88-4	ug/L	10/20/2021		<1	<1	<1	<1	
Iodomethane	74-88-4	ug/L	5/2/2022		<1	<1	<1	<1	
Iodomethane	74-88-4	ug/L	5/1/2023		<10	<10	<10	<10	
Iodomethane	74-88-4	ug/L	8/1/2023			<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/16/2023		<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	12/20/2023						<10
Iodomethane	74-88-4	ug/L	3/20/2024						<10
Iodomethane	74-88-4	ug/L	4/29/2024		<10	<10	<10	<10	<10
Iodomethane	74-88-4	ug/L	10/11/2024		<10.0	<10.0	<10.0	<10.0	<10.0
Iodomethane	74-88-4	ug/L	2/25/2025						<10.0
Iodomethane	74-88-4	ug/L	4/30/2025		<10.0	<10.0	<10.0	<10.0	<10.0
Isobutanol	78-83-1	mg/L	5/10/2010	<10	<10	<10			
Isodrin	465-73-6	ug/L	5/10/2010	<10	<10	<10			
Isophorone	78-59-1	ug/L	5/10/2010	<10	<10	<10			
Isosafrole	120-58-1	ug/L	5/10/2010	<10	<10	<10			
Kepone	143-50-0	ug/L	5/10/2010	<10	<10	<10			
Lead	7439-92-1	mg/L	4/14/2009	<0.005	<0.005	<0.005			
Lead	7439-92-1	mg/L	7/7/2009		<0.005	<0.005			
Lead	7439-92-1	mg/L	9/2/2009		<0.005	<0.005			
Lead	7439-92-1	mg/L	10/25/2009	<0.005	<0.005	<0.005			
Lead	7439-92-1	mg/L	3/3/2010	<0.005	<0.005	<0.005			
Lead	7439-92-1	mg/L	5/10/2010	0.0036	<0.002	<0.002			
Lead	7439-92-1	mg/L	7/8/2010	<0.005					
Lead	7439-92-1	mg/L	7/8/2011		<0.005	<0.005			
Lead	7439-92-1	mg/L	8/11/2011		<0.005	<0.005			
Lead	7439-92-1	mg/L	10/13/2011		<0.004	<0.004			
Lead	7439-92-1	mg/L	4/11/2012		<0.004	<0.004	<0.004	<0.004	
Lead	7439-92-1	mg/L	8/1/2012		<0.004	<0.004			
Lead	7439-92-1	mg/L	10/11/2012			<0.004			
Lead	7439-92-1	mg/L	12/13/2012				<0.004		
Lead	7439-92-1	mg/L	3/30/2013	<0.004			0.0181		
Lead	7439-92-1	mg/L	10/5/2015			0.000398J			
Lead	7439-92-1	mg/L	4/4/2016			<0.0005			
Lead	7439-92-1	mg/L	10/17/2016		<0.0005				
Lead	7439-92-1	mg/L	4/17/2017					<0.0005	
Lead	7439-92-1	mg/L	10/11/2017		0.000698	<0.0005	<0.0005	0.000645	
Lead	7439-92-1	mg/L	3/15/2018		0.00065	<0.0005	<0.0005	0.000411J	
Lead	7439-92-1	mg/L	4/26/2018		0.000529	<0.0005	<0.0005	<0.0005	
Lead	7439-92-1	mg/L	10/16/2018		0.00725	0.00754	0.00354	0.00281	
Lead	7439-92-1	mg/L	4/16/2019		0.000421J	<0.0005	<0.0005	<0.0005	
Lead	7439-92-1	mg/L	10/1/2019		<0.0005	0.000344J	<0.0005	<0.0005	
Lead	7439-92-1	mg/L	3/30/2020		<0.0005	<0.0005	<0.0005	<0.0005	
Lead	7439-92-1	mg/L	10/7/2020		0.000522	0.000575	0.0321	0.000206J	
Lead	7439-92-1	mg/L	4/13/2021		<0.004	<0.004	<0.004	<0.004	
Lead	7439-92-1	mg/L	10/20/2021		<0.004	<0.004	<0.004	<0.004	
Lead	7439-92-1	mg/L	5/2/2022		<0.004	<0.004	<0.004	<0.004	
Lead	7439-92-1	mg/L	5/1/2023		<0.0005	<0.0005	<0.0005	<0.0005	
Lead	7439-92-1	mg/L	10/16/2023		0.00122	<0.0005	<0.0005	0.00174	<0.0005
Lead	7439-92-1	mg/L	12/20/2023						<0.0005
Lead	7439-92-1	mg/L	3/20/2024						<0.0005
Lead	7439-92-1	mg/L	4/29/2024		0.000584	<0.0005	<0.0005	<0.0005	<0.0005
Lead	7439-92-1	mg/L	10/11/2024		0.00597	0.000334	0.00162	0.00269	<0.000500
Lead	7439-92-1	mg/L	2/25/2025						0.00148
Lead	7439-92-1	mg/L	4/30/2025		0.00711	0.0114	<0.000500	<0.000500	<0.000500
Magnesium	7439-95-4	mg/L	3/15/2018		76.7	84.6	86.2	119	
Mercury	7439-97-6	mg/L	5/10/2010	<0.0002	<0.0002	<0.0002			
Methacrylonitrile	126-98-7	ug/L	5/10/2010	<1	<1	<1			
Methapyrilene	91-80-5	ug/L	5/10/2010	<10	<10	<10			

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Methoxychlor	72-43-5	ug/L	5/10/2010	<0.032	<0.032	<0.032			
Methyl Methacrylate	80-62-6	ug/L	5/10/2010	<5	<5	<5			
Methyl Methanesulfonate	66-27-3	ug/L	5/10/2010	<10	<10	<10			
Methylene Bromide	74-95-3	ug/L	4/14/2009	<1	<1	<1			
Methylene Bromide	74-95-3	ug/L	7/7/2009		<1	<1			
Methylene Bromide	74-95-3	ug/L	9/2/2009		<1	<1			
Methylene Bromide	74-95-3	ug/L	10/25/2009	<2	<2	<2			
Methylene Bromide	74-95-3	ug/L	3/3/2010	<1	<1	<1			
Methylene Bromide	74-95-3	ug/L	5/10/2010	<1	<1	<1			
Methylene Bromide	74-95-3	ug/L	7/8/2011		<1	<1			
Methylene Bromide	74-95-3	ug/L	8/11/2011		<1	<1			
Methylene Bromide	74-95-3	ug/L	10/13/2011		<1	<1			
Methylene Bromide	74-95-3	ug/L	4/11/2012		<1	<1	<1	<1	
Methylene Bromide	74-95-3	ug/L	8/1/2012		<1	<1			
Methylene Bromide	74-95-3	ug/L	10/11/2012			<1			
Methylene Bromide	74-95-3	ug/L	12/13/2012				<25		
Methylene Bromide	74-95-3	ug/L	3/30/2013	<1			<1		
Methylene Bromide	74-95-3	ug/L	10/5/2015			<10			
Methylene Bromide	74-95-3	ug/L	4/4/2016			<1			
Methylene Bromide	74-95-3	ug/L	10/17/2016		<1				
Methylene Bromide	74-95-3	ug/L	4/17/2017					<1	
Methylene Bromide	74-95-3	ug/L	10/11/2017		<1	<1	<1	<1	
Methylene Bromide	74-95-3	ug/L	3/15/2018		<1	<1	<1	<1	
Methylene Bromide	74-95-3	ug/L	4/26/2018		<1	<1	<1	<1	
Methylene Bromide	74-95-3	ug/L	10/16/2018		<1	<1	<1	<1	
Methylene Bromide	74-95-3	ug/L	4/16/2019		<1	<1	<1	<1	
Methylene Bromide	74-95-3	ug/L	10/1/2019		<1	<1	<1	<1	
Methylene Bromide	74-95-3	ug/L	3/30/2020		<1	<1	<1	<1	
Methylene Bromide	74-95-3	ug/L	10/7/2020		<1	<1	<1	<1	
Methylene Bromide	74-95-3	ug/L	4/13/2021		<1	<1	<1	<1	
Methylene Bromide	74-95-3	ug/L	10/20/2021		<1	<1	<1	<1	
Methylene Bromide	74-95-3	ug/L	5/2/2022		<1	<1	<1	<1	
Methylene Bromide	74-95-3	ug/L	5/1/2023		<1	<1	<1	<1	
Methylene Bromide	74-95-3	ug/L	8/1/2023			<1	<1	<1	<1
Methylene Bromide	74-95-3	ug/L	10/16/2023		<1	<1	<1	<1	<1
Methylene Bromide	74-95-3	ug/L	12/20/2023						<1
Methylene Bromide	74-95-3	ug/L	3/20/2024						<1
Methylene Bromide	74-95-3	ug/L	4/29/2024		<1	<1	<1	<1	<1
Methylene Chloride	75-09-2	ug/L	4/14/2009	<5	<5	<5			
Methylene Chloride	75-09-2	ug/L	7/7/2009		<5	<5			
Methylene Chloride	75-09-2	ug/L	9/2/2009		<5	<5			
Methylene Chloride	75-09-2	ug/L	10/25/2009	<5	<5	<5			
Methylene Chloride	75-09-2	ug/L	3/3/2010	<5	<5	<5			
Methylene Chloride	75-09-2	ug/L	5/10/2010	<5	<5	<5			
Methylene Chloride	75-09-2	ug/L	7/8/2011		<5	<5			
Methylene Chloride	75-09-2	ug/L	8/11/2011		<5	<5			
Methylene Chloride	75-09-2	ug/L	10/13/2011		<5	<5			
Methylene Chloride	75-09-2	ug/L	4/11/2012		<5	<5	<5	<5	
Methylene Chloride	75-09-2	ug/L	8/1/2012		<5	<5			
Methylene Chloride	75-09-2	ug/L	10/11/2012			<5			
Methylene Chloride	75-09-2	ug/L	12/13/2012				<125		
Methylene Chloride	75-09-2	ug/L	3/30/2013	<5			<5		
Methylene Chloride	75-09-2	ug/L	10/5/2015			25.5J			
Methylene Chloride	75-09-2	ug/L	4/4/2016			<5			
Methylene Chloride	75-09-2	ug/L	10/17/2016		0.462J				
Methylene Chloride	75-09-2	ug/L	4/17/2017					<5	
Methylene Chloride	75-09-2	ug/L	10/11/2017		0.247J	<5	0.241J	0.267J	
Methylene Chloride	75-09-2	ug/L	3/15/2018		<5	<5	<5	<5	
Methylene Chloride	75-09-2	ug/L	4/26/2018		0.327J	<5	<5	<5	
Methylene Chloride	75-09-2	ug/L	10/16/2018		<5	<5	<5	<5	
Methylene Chloride	75-09-2	ug/L	4/16/2019		<5	<5	<5	<5	
Methylene Chloride	75-09-2	ug/L	10/1/2019		<5	<5	<5	<5	
Methylene Chloride	75-09-2	ug/L	3/30/2020		<5	<5	<5	<5	
Methylene Chloride	75-09-2	ug/L	10/7/2020		<5	<5	<5	<5	
Methylene Chloride	75-09-2	ug/L	4/13/2021		<5	<5	<5	<5	
Methylene Chloride	75-09-2	ug/L	10/20/2021		<5	<5	<5	<5	
Methylene Chloride	75-09-2	ug/L	5/2/2022		<5	<5	<5	<5	
Methylene Chloride	75-09-2	ug/L	5/1/2023		<5	<5	<5	<5	
Methylene Chloride	75-09-2	ug/L	8/1/2023			<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/16/2023		<5	<5	<5	<5	<5

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Methylene Chloride	75-09-2	ug/L	12/20/2023						<5
Methylene Chloride	75-09-2	ug/L	3/20/2024						<5
Methylene Chloride	75-09-2	ug/L	4/29/2024		<5	<5	<5	<5	<5
Methylene Chloride	75-09-2	ug/L	10/11/2024		<5.00	<5.00	<5.00	<5.00	<5.00
Methylene Chloride	75-09-2	ug/L	2/25/2025						<5.00
Methylene Chloride	75-09-2	ug/L	4/30/2025		<5.00	<5.00	<5.00	<5.00	<5.00
N-Nitrosodi-n-butylamine	924-16-3	ug/L	5/10/2010	<10	<10	<10			
N-Nitrosodi-n-propylamine	621-64-7	ug/L	5/10/2010	<10	<10	<10			
N-Nitrosodiethylamine	55-18-5	ug/L	5/10/2010	<10	<10	<10			
N-Nitrosodimethylamine	62-75-9	ug/L	5/10/2010	<10	<10	<10			
N-Nitrosodiphenylamine	86-30-6	ug/L	5/10/2010	<10	<10	<10			
N-Nitrosomethylethalamine	10595-95-6	ug/L	5/10/2010	<10	<10	<10			
N-Nitrosopiperidine	100-75-4	ug/L	5/10/2010	<10	<10	<10			
N-Nitrosopyrrolidine	930-55-2	ug/L	5/10/2010	<10	<10	<10			
Naphthalene	91-20-3	ug/L	5/10/2010	<5	<5	<5			
Nickel	7440-02-0	mg/L	4/14/2009	0.01	0.011	<0.01			
Nickel	7440-02-0	mg/L	7/7/2009		0.011	<0.01			
Nickel	7440-02-0	mg/L	9/2/2009		0.014	<0.01			
Nickel	7440-02-0	mg/L	10/25/2009	<0.01	0.012	<0.01			
Nickel	7440-02-0	mg/L	3/3/2010	<0.01	<0.01	<0.01			
Nickel	7440-02-0	mg/L	5/10/2010	<0.05	<0.05	<0.05			
Nickel	7440-02-0	mg/L	7/8/2011		0.011	0.012			
Nickel	7440-02-0	mg/L	8/11/2011		<0.01	0.013			
Nickel	7440-02-0	mg/L	10/13/2011		<0.05	<0.05			
Nickel	7440-02-0	mg/L	4/11/2012		<0.05	<0.05	<0.05	<0.05	
Nickel	7440-02-0	mg/L	8/1/2012		<0.05	0.0676			
Nickel	7440-02-0	mg/L	10/11/2012			<0.05			
Nickel	7440-02-0	mg/L	12/13/2012				0.183		
Nickel	7440-02-0	mg/L	3/30/2013	<0.05			<0.05		
Nickel	7440-02-0	mg/L	10/5/2015			0.094			
Nickel	7440-02-0	mg/L	4/4/2016			0.00319J			
Nickel	7440-02-0	mg/L	10/17/2016		0.00449J				
Nickel	7440-02-0	mg/L	4/17/2017					0.00483J	
Nickel	7440-02-0	mg/L	10/11/2017		0.00831	0.00944	0.00825	0.0275	
Nickel	7440-02-0	mg/L	3/15/2018		0.00436J	0.00904	0.00506	0.0114	
Nickel	7440-02-0	mg/L	4/26/2018		0.00489J	0.00679	0.00494J	<0.02	
Nickel	7440-02-0	mg/L	10/16/2018		0.0159	0.0196	0.0152	0.00913	
Nickel	7440-02-0	mg/L	4/16/2019		0.00631	0.00731	0.00257J	0.0134	
Nickel	7440-02-0	mg/L	10/1/2019		0.0256	0.0037J	0.00176J	0.00241J	
Nickel	7440-02-0	mg/L	3/30/2020		0.00402J	0.00861	0.00218J	0.00404J	
Nickel	7440-02-0	mg/L	10/7/2020		0.00682	0.00837	0.134	0.00403J	
Nickel	7440-02-0	mg/L	4/13/2021		0.002J	0.0066	0.0009J	0.014	
Nickel	7440-02-0	mg/L	10/20/2021		<0.004	0.0015J	0.0038J	0.0033J	
Nickel	7440-02-0	mg/L	5/2/2022		0.0029J	0.0042	0.002J	0.0023J	
Nickel	7440-02-0	mg/L	5/1/2023		<0.005	0.00893	0.00519	0.00545	
Nickel	7440-02-0	mg/L	10/16/2023		0.00405J	0.00438J	0.00871	0.0192	0.0136
Nickel	7440-02-0	mg/L	12/20/2023						0.00879
Nickel	7440-02-0	mg/L	3/20/2024						0.00488J
Nickel	7440-02-0	mg/L	4/29/2024		0.129	0.00269J	0.00511	0.0111	0.0483
Nickel	7440-02-0	mg/L	10/11/2024		0.0143	0.00250	0.00710	0.0336	0.0194
Nickel	7440-02-0	mg/L	2/25/2025						0.00421J
Nickel	7440-02-0	mg/L	4/30/2025		0.0140	0.0209	<0.00500	0.00475	0.00304
Nitrobenzene	98-95-3	ug/L	5/10/2010	<10	<10	<10			
O,O,O-Triethyl Phosphorothioate	126-68-1	ug/L	5/10/2010	<10	<10	<10			
O-Toluidine	95-53-4	ug/L	5/10/2010	<10	<10	<10			
PCB-1016	12674-11-2	ug/L	5/10/2010	<0.8	<0.8	<0.8			
PCB-1221	11104-28-2	ug/L	5/10/2010	<0.8	<0.8	<0.8			
PCB-1232	11141-16-5	ug/L	5/10/2010	<0.8	<0.8	<0.8			
PCB-1242	53469-21-9	ug/L	5/10/2010	<0.8	<0.8	<0.8			
PCB-1248	12672-29-6	ug/L	5/10/2010	<0.8	<0.8	<0.8			
PCB-1254	11097-69-1	ug/L	5/10/2010	<0.8	<0.8	<0.8			
PCB-1260	11096-82-5	ug/L	5/10/2010	<0.8	<0.8	<0.8			
Parathion-Ethyl	56-38-2	ug/L	5/10/2010	<10	<10	<10			
Parathion-Methyl	298-00-0	ug/L	5/10/2010	<10	<10	<10			
Pentachlorobenzene	608-93-5	ug/L	5/10/2010	<10	<10	<10			
Pentachloronitrobenzene	82-68-8	ug/L	5/10/2010	<10	<10	<10			
Pentachlorophenol [2C]	87-86-5	ug/L	5/10/2010	<10	<10	<10			
Phenacetin	62-44-2	ug/L	5/10/2010	<10	<10	<10			
Phenanthrene	85-01-8	ug/L	5/10/2010	<10	<10	<10			
Phenol	108-95-2	ug/L	5/10/2010	<10	<10	<10			

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Phorate	298-02-2	ug/L	5/10/2010	<10	<10	<10			
Potassium	7440-09-7	mg/L	3/15/2018		2.84	2	3.18	4.15	
Pronamide	23950-58-5	ug/L	5/10/2010	<10	<10	<10			
Propionitrile	107-12-0	ug/L	5/10/2010	<10	<10	<10			
Pyrene	129-00-0	ug/L	5/10/2010	<10	<10	<10			
Safrole	94-59-7	ug/L	5/10/2010	<10	<10	<10			
Selenium	7782-49-2	mg/L	4/14/2009	<0.01	<0.01	<0.01			
Selenium	7782-49-2	mg/L	7/7/2009		<0.01	<0.01			
Selenium	7782-49-2	mg/L	9/2/2009		<0.01	<0.01			
Selenium	7782-49-2	mg/L	10/25/2009	<0.01	<0.01	<0.01			
Selenium	7782-49-2	mg/L	3/3/2010	<0.01	<0.01	<0.01			
Selenium	7782-49-2	mg/L	5/10/2010	0.0029	0.0029	0.002			
Selenium	7782-49-2	mg/L	7/8/2010	<0.01	<0.01	<0.01			
Selenium	7782-49-2	mg/L	7/8/2011		<0.01	<0.01			
Selenium	7782-49-2	mg/L	8/11/2011		<0.01	<0.01			
Selenium	7782-49-2	mg/L	10/13/2011		<0.005	<0.005			
Selenium	7782-49-2	mg/L	4/11/2012		<0.005	<0.005	<0.005	<0.005	
Selenium	7782-49-2	mg/L	8/1/2012		<0.005	<0.005			
Selenium	7782-49-2	mg/L	10/11/2012			<0.005			
Selenium	7782-49-2	mg/L	12/13/2012				<0.005		
Selenium	7782-49-2	mg/L	3/30/2013	<0.005			<0.005		
Selenium	7782-49-2	mg/L	10/5/2015			<0.005			
Selenium	7782-49-2	mg/L	4/4/2016			<0.005			
Selenium	7782-49-2	mg/L	10/17/2016		0.00103J				
Selenium	7782-49-2	mg/L	4/17/2017					<0.005	
Selenium	7782-49-2	mg/L	10/11/2017		<0.005	<0.005	<0.005	<0.005	
Selenium	7782-49-2	mg/L	3/15/2018		<0.005	<0.005	<0.005	<0.005	
Selenium	7782-49-2	mg/L	4/26/2018		0.00233J	<0.005	<0.005	0.00457J	
Selenium	7782-49-2	mg/L	10/16/2018		<0.0025	<0.0025	<0.0025	<0.0025	
Selenium	7782-49-2	mg/L	4/16/2019		<0.005	<0.005	<0.005	<0.005	
Selenium	7782-49-2	mg/L	10/1/2019		<0.005	<0.005	<0.005	<0.005	
Selenium	7782-49-2	mg/L	3/30/2020		<0.005	<0.005	<0.005	<0.005	
Selenium	7782-49-2	mg/L	10/7/2020		0.00221	0.00178	0.0311	0.00148J	
Selenium	7782-49-2	mg/L	4/13/2021		<0.004	<0.004	<0.004	<0.004	
Selenium	7782-49-2	mg/L	10/20/2021		<0.004	<0.004	<0.004	<0.004	
Selenium	7782-49-2	mg/L	5/2/2022		<0.004	<0.004	<0.004	<0.004	
Selenium	7782-49-2	mg/L	5/1/2023		<0.005	<0.005	0.00154J	<0.005	
Selenium	7782-49-2	mg/L	10/16/2023		<0.005	<0.005	<0.005	0.00148J	<0.005
Selenium	7782-49-2	mg/L	12/20/2023						0.0017J
Selenium	7782-49-2	mg/L	3/20/2024						<0.005
Selenium	7782-49-2	mg/L	4/29/2024		<0.005	<0.005	<0.005	<0.005	<0.005
Selenium	7782-49-2	mg/L	10/11/2024		<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Selenium	7782-49-2	mg/L	2/25/2025						0.0171
Selenium	7782-49-2	mg/L	4/30/2025		<0.00500	0.00205	<0.00500	<0.00500	<0.00500
Silver	7440-22-4	mg/L	4/14/2009	<0.01	<0.01	<0.01			
Silver	7440-22-4	mg/L	7/7/2009		<0.01	<0.01			
Silver	7440-22-4	mg/L	9/2/2009		<0.01	<0.01			
Silver	7440-22-4	mg/L	10/25/2009	<0.025	<0.025	<0.025			
Silver	7440-22-4	mg/L	3/3/2010	<0.025	<0.025	<0.025			
Silver	7440-22-4	mg/L	5/10/2010	<0.02	<0.02	<0.02			
Silver	7440-22-4	mg/L	7/8/2011		<0.025	<0.025			
Silver	7440-22-4	mg/L	8/11/2011		<0.025	<0.025			
Silver	7440-22-4	mg/L	10/13/2011		<0.02	<0.02			
Silver	7440-22-4	mg/L	4/11/2012		<0.02	<0.02	<0.02	<0.02	
Silver	7440-22-4	mg/L	8/1/2012		<0.02	<0.02			
Silver	7440-22-4	mg/L	10/11/2012			<0.02			
Silver	7440-22-4	mg/L	12/13/2012				<0.02		
Silver	7440-22-4	mg/L	3/30/2013	<0.02			<0.02		
Silver	7440-22-4	mg/L	10/5/2015			<0.001			
Silver	7440-22-4	mg/L	4/4/2016			<0.001			
Silver	7440-22-4	mg/L	10/17/2016		<0.001				
Silver	7440-22-4	mg/L	4/17/2017					<0.001	
Silver	7440-22-4	mg/L	10/11/2017		<0.001	<0.001	<0.001	<0.001	
Silver	7440-22-4	mg/L	3/15/2018		<0.001	<0.001	<0.001	<0.001	
Silver	7440-22-4	mg/L	4/26/2018		0.00059J	<0.001	<0.001	<0.001	
Silver	7440-22-4	mg/L	10/16/2018		<0.0005	<0.0005	<0.0005	<0.0005	
Silver	7440-22-4	mg/L	4/16/2019		<0.001	<0.001	<0.001	<0.001	
Silver	7440-22-4	mg/L	10/1/2019		<0.001	<0.001	<0.001	<0.001	
Silver	7440-22-4	mg/L	3/30/2020		<0.001	<0.001	<0.001	<0.001	
Silver	7440-22-4	mg/L	10/7/2020		<0.001	<0.001	<0.02	<0.001	

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Silver	7440-22-4	mg/L	4/13/2021		<0.004	<0.004	<0.004	<0.004	
Silver	7440-22-4	mg/L	10/20/2021		<0.004	<0.004	<0.004	<0.004	
Silver	7440-22-4	mg/L	5/2/2022		<0.004	<0.004	<0.004	<0.004	
Silver	7440-22-4	mg/L	5/1/2023		<0.001	<0.001	<0.001	<0.001	
Silver	7440-22-4	mg/L	10/16/2023		<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	12/20/2023						<0.001
Silver	7440-22-4	mg/L	3/20/2024						<0.001
Silver	7440-22-4	mg/L	4/29/2024		<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	10/11/2024		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Silver	7440-22-4	mg/L	2/25/2025						<0.00100
Silver	7440-22-4	mg/L	4/30/2025		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Sodium	7440-23-5	mg/L	3/15/2018		29.5	22	23.9	29.9	
Styrene	100-42-5	ug/L	4/14/2009	<1	<1	<1			
Styrene	100-42-5	ug/L	7/7/2009		<1	<1			
Styrene	100-42-5	ug/L	9/2/2009		<1	<1			
Styrene	100-42-5	ug/L	10/25/2009	<2	<2	<2			
Styrene	100-42-5	ug/L	3/3/2010	<2	<2	<2			
Styrene	100-42-5	ug/L	5/10/2010	<4	<4	<4			
Styrene	100-42-5	ug/L	7/8/2011		<1	<1			
Styrene	100-42-5	ug/L	8/11/2011		<1	<1			
Styrene	100-42-5	ug/L	10/13/2011		<1	<1			
Styrene	100-42-5	ug/L	4/11/2012		<1	<1	<1	<1	
Styrene	100-42-5	ug/L	8/1/2012		<1	<1			
Styrene	100-42-5	ug/L	10/11/2012			<1			
Styrene	100-42-5	ug/L	12/13/2012				35		
Styrene	100-42-5	ug/L	3/30/2013	<1			5.54		
Styrene	100-42-5	ug/L	10/5/2015			<10			
Styrene	100-42-5	ug/L	4/4/2016			<1			
Styrene	100-42-5	ug/L	10/17/2016		<1				
Styrene	100-42-5	ug/L	4/17/2017					<1	
Styrene	100-42-5	ug/L	10/11/2017		<1	<1	<1	<1	
Styrene	100-42-5	ug/L	3/15/2018		<1	<1	<1	<1	
Styrene	100-42-5	ug/L	4/26/2018		<1	<1	<1	<1	
Styrene	100-42-5	ug/L	10/16/2018		<1	<1	<1	<1	
Styrene	100-42-5	ug/L	4/16/2019		<1	<1	<1	<1	
Styrene	100-42-5	ug/L	10/1/2019		<1	<1	<1	<1	
Styrene	100-42-5	ug/L	3/30/2020		<1	<1	<1	<1	
Styrene	100-42-5	ug/L	10/7/2020		<1	<1	<1	<1	
Styrene	100-42-5	ug/L	4/13/2021		<1	<1	<1	<1	
Styrene	100-42-5	ug/L	10/20/2021		<1	<1	<1	<1	
Styrene	100-42-5	ug/L	5/2/2022		<1	<1	<1	<1	
Styrene	100-42-5	ug/L	5/1/2023		<1	<1	<1	<1	
Styrene	100-42-5	ug/L	8/1/2023			<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/16/2023		<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	12/20/2023						<1
Styrene	100-42-5	ug/L	3/20/2024						<1
Styrene	100-42-5	ug/L	4/29/2024		<1	<1	<1	<1	<1
Styrene	100-42-5	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
Styrene	100-42-5	ug/L	2/25/2025						<1.00
Styrene	100-42-5	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
Sulfate	14808-79-8	mg/L	3/15/2018		183	418	336	889	
Sulfide	18496-25-8	mg/L	5/10/2010	<1	<1	<1			
Tetrachloroethene	127-18-4	ug/L	4/14/2009	<1	<1	<1			
Tetrachloroethene	127-18-4	ug/L	7/7/2009		<1	<1			
Tetrachloroethene	127-18-4	ug/L	9/2/2009		<1	<1			
Tetrachloroethene	127-18-4	ug/L	10/25/2009	<1	<1	<1			
Tetrachloroethene	127-18-4	ug/L	3/3/2010	<2	<2	<2			
Tetrachloroethene	127-18-4	ug/L	5/10/2010	<1	<1	<1			
Tetrachloroethene	127-18-4	ug/L	7/8/2011		<1	<1			
Tetrachloroethene	127-18-4	ug/L	8/11/2011		<1	<1			
Tetrachloroethene	127-18-4	ug/L	10/13/2011		<1	<1			
Tetrachloroethene	127-18-4	ug/L	4/11/2012		<1	<1	<1	<1	
Tetrachloroethene	127-18-4	ug/L	8/1/2012		<1	<1			
Tetrachloroethene	127-18-4	ug/L	10/11/2012			<1			
Tetrachloroethene	127-18-4	ug/L	12/13/2012				<25		
Tetrachloroethene	127-18-4	ug/L	3/30/2013	<1			<1		
Tetrachloroethene	127-18-4	ug/L	10/5/2015			<10			
Tetrachloroethene	127-18-4	ug/L	4/4/2016			<1			
Tetrachloroethene	127-18-4	ug/L	10/17/2016		<1				
Tetrachloroethene	127-18-4	ug/L	4/17/2017					<1	

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Tetrachloroethene	127-18-4	ug/L	10/11/2017		<1	<1	<1	<1	
Tetrachloroethene	127-18-4	ug/L	3/15/2018		<1	<1	<1	<1	
Tetrachloroethene	127-18-4	ug/L	4/26/2018		<1	<1	<1	<1	
Tetrachloroethene	127-18-4	ug/L	10/16/2018		<1	<1	<1	<1	
Tetrachloroethene	127-18-4	ug/L	4/16/2019		<1	<1	<1	<1	
Tetrachloroethene	127-18-4	ug/L	10/1/2019		<1	<1	<1	<1	
Tetrachloroethene	127-18-4	ug/L	3/30/2020		<1	<1	<1	<1	
Tetrachloroethene	127-18-4	ug/L	10/7/2020		<1	<1	<1	<1	
Tetrachloroethene	127-18-4	ug/L	4/13/2021		<1	<1	<1	<1	
Tetrachloroethene	127-18-4	ug/L	10/20/2021		<1	<1	<1	<1	
Tetrachloroethene	127-18-4	ug/L	5/2/2022		<1	<1	<1	<1	
Tetrachloroethene	127-18-4	ug/L	5/1/2023		<1	<1	<1	<1	
Tetrachloroethene	127-18-4	ug/L	8/1/2023			<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/16/2023		<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	12/20/2023						<1
Tetrachloroethene	127-18-4	ug/L	3/20/2024						<1
Tetrachloroethene	127-18-4	ug/L	4/29/2024		<1	<1	<1	<1	<1
Tetrachloroethene	127-18-4	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	127-18-4	ug/L	2/25/2025						<1.00
Tetrachloroethene	127-18-4	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	7440-28-0	mg/L	4/14/2009	<0.002	<0.002	<0.002			
Thallium	7440-28-0	mg/L	7/7/2009		<0.002	<0.002			
Thallium	7440-28-0	mg/L	9/2/2009		<0.002	<0.002			
Thallium	7440-28-0	mg/L	10/25/2009	<0.002	<0.002	<0.002			
Thallium	7440-28-0	mg/L	3/3/2010	<0.002	<0.002	<0.002			
Thallium	7440-28-0	mg/L	5/10/2010	<0.0004	<0.0004	<0.0004			
Thallium	7440-28-0	mg/L	7/8/2011		<0.002	<0.002			
Thallium	7440-28-0	mg/L	8/11/2011		<0.002	<0.002			
Thallium	7440-28-0	mg/L	10/13/2011		<0.002	<0.002			
Thallium	7440-28-0	mg/L	4/11/2012		<0.002	<0.002	<0.002	<0.002	
Thallium	7440-28-0	mg/L	8/1/2012		<0.002	0.00251			
Thallium	7440-28-0	mg/L	10/11/2012			<0.002			
Thallium	7440-28-0	mg/L	12/13/2012				<0.002		
Thallium	7440-28-0	mg/L	3/30/2013	<0.002			<0.002		
Thallium	7440-28-0	mg/L	10/5/2015			0.000044J			
Thallium	7440-28-0	mg/L	4/4/2016			<0.001			
Thallium	7440-28-0	mg/L	10/17/2016		<0.001				
Thallium	7440-28-0	mg/L	4/17/2017					<0.001	
Thallium	7440-28-0	mg/L	10/11/2017		<0.001	<0.001	<0.001	<0.001	
Thallium	7440-28-0	mg/L	3/15/2018		<0.001	<0.001	<0.001	<0.001	
Thallium	7440-28-0	mg/L	4/26/2018		<0.001	<0.001	<0.001	<0.001	
Thallium	7440-28-0	mg/L	10/16/2018		<0.002	<0.002	<0.002	<0.002	
Thallium	7440-28-0	mg/L	4/16/2019		<0.001	<0.001	<0.001	<0.001	
Thallium	7440-28-0	mg/L	10/1/2019		<0.001	<0.001	<0.001	<0.001	
Thallium	7440-28-0	mg/L	3/30/2020		<0.001	<0.001	<0.001	<0.001	
Thallium	7440-28-0	mg/L	10/7/2020		<0.001	<0.001	<0.02	<0.001	
Thallium	7440-28-0	mg/L	4/13/2021		<0.002	<0.002	<0.002	<0.002	
Thallium	7440-28-0	mg/L	10/20/2021		0.0002J	0.0002J	<0.002	<0.002	
Thallium	7440-28-0	mg/L	5/2/2022		<0.002	<0.002	<0.002	<0.002	
Thallium	7440-28-0	mg/L	5/1/2023		<0.001	0.00052J	<0.001	<0.001	
Thallium	7440-28-0	mg/L	10/16/2023		<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	12/20/2023						<0.001
Thallium	7440-28-0	mg/L	3/20/2024						<0.001
Thallium	7440-28-0	mg/L	4/29/2024		<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	10/11/2024		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Thallium	7440-28-0	mg/L	2/25/2025						<0.00100
Thallium	7440-28-0	mg/L	4/30/2025		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Thionazin	297-97-2	ug/L	5/10/2010	<10	<10	<10			
Tin	7440-31-5	mg/L	5/10/2010	<0.1	<0.1	<0.1			
Toluene	108-88-3	ug/L	4/14/2009	<1	<1	<1			
Toluene	108-88-3	ug/L	7/7/2009		<1	<1			
Toluene	108-88-3	ug/L	9/2/2009		<1	<1			
Toluene	108-88-3	ug/L	10/25/2009	<1	<1	<1			
Toluene	108-88-3	ug/L	3/3/2010	<1	<1	<1			
Toluene	108-88-3	ug/L	5/10/2010	<1	<1	<1			
Toluene	108-88-3	ug/L	7/8/2011		5.98	1.47			
Toluene	108-88-3	ug/L	8/11/2011		6.84	<1			
Toluene	108-88-3	ug/L	10/13/2011		1.12	<1			
Toluene	108-88-3	ug/L	4/11/2012		<1	<1	<1	<1	
Toluene	108-88-3	ug/L	8/1/2012		12.7	1.21			

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Toluene	108-88-3	ug/L	10/11/2012			<1			
Toluene	108-88-3	ug/L	12/13/2012				236		
Toluene	108-88-3	ug/L	3/30/2013	<1			65.5		
Toluene	108-88-3	ug/L	10/5/2015			21.7			
Toluene	108-88-3	ug/L	4/4/2016			<1			
Toluene	108-88-3	ug/L	10/17/2016		<1				
Toluene	108-88-3	ug/L	4/17/2017					<1	
Toluene	108-88-3	ug/L	10/11/2017		<1	<1	<1	<1	
Toluene	108-88-3	ug/L	3/15/2018		<1	<1	<1	<1	
Toluene	108-88-3	ug/L	4/26/2018		<1	<1	<1	<1	
Toluene	108-88-3	ug/L	10/16/2018		<1	<1	<1	<1	
Toluene	108-88-3	ug/L	4/16/2019		<1	<1	<1	<1	
Toluene	108-88-3	ug/L	10/1/2019		<1	<1	<1	<1	
Toluene	108-88-3	ug/L	3/30/2020		<1	<1	<1	<1	
Toluene	108-88-3	ug/L	10/7/2020		<1	<1	<1	<1	
Toluene	108-88-3	ug/L	4/13/2021		<1	<1	<1	<1	
Toluene	108-88-3	ug/L	10/20/2021		<1	<1	<1	<1	
Toluene	108-88-3	ug/L	5/2/2022		<1	<1	<1	<1	
Toluene	108-88-3	ug/L	5/1/2023		<1	<1	<1	<1	
Toluene	108-88-3	ug/L	8/1/2023			<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/16/2023		<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	12/20/2023						<1
Toluene	108-88-3	ug/L	3/20/2024						<1
Toluene	108-88-3	ug/L	4/29/2024		<1	<1	<1	<1	<1
Toluene	108-88-3	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
Toluene	108-88-3	ug/L	2/25/2025						<1.00
Toluene	108-88-3	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
Total Suspended Solids	STL00161	mg/L	10/11/2024		4570	83.0	158	566	<1.88
Total Suspended Solids	STL00161	mg/L	2/25/2025						<1.88
Total Suspended Solids	STL00161	mg/L	4/30/2025		2110	1170	70.0	3.25	2.13
Total Suspended Solids	TSS	mg/L	10/5/2015			180000			
Total Suspended Solids	TSS	mg/L	4/4/2016			1.25J			
Total Suspended Solids	TSS	mg/L	10/17/2016		0.75J				
Total Suspended Solids	TSS	mg/L	4/17/2017					7.67	
Total Suspended Solids	TSS	mg/L	10/11/2017		53.3	23.9	31.1	39.8	
Total Suspended Solids	TSS	mg/L	3/15/2018		60.8	31	42.3	15.8	
Total Suspended Solids	TSS	mg/L	4/26/2018		28.3	31.3	211	2.38	
Total Suspended Solids	TSS	mg/L	10/16/2018		208	342	175	122	
Total Suspended Solids	TSS	mg/L	4/16/2019		7	4.33J	25	0.875J	
Total Suspended Solids	TSS	mg/L	10/1/2019		0.875J	7	21.5	0.75J	
Total Suspended Solids	TSS	mg/L	3/30/2020		4.25	13J	21	<1.88	
Total Suspended Solids	TSS	mg/L	10/7/2020		104	80	160	1.13J	
Total Suspended Solids	TSS	mg/L	4/13/2021		<2	25	29	5	
Total Suspended Solids	TSS	mg/L	10/20/2021		4	4	65	<1	
Total Suspended Solids	TSS	mg/L	5/2/2022		75	50	57	<2	
Total Suspended Solids	TSS	mg/L	5/1/2023		24.6	1.38J	11	4.62	
Total Suspended Solids	TSS	mg/L	10/16/2023		16	29	43	12.5	3.75
Total Suspended Solids	TSS	mg/L	12/20/2023						4.33J
Total Suspended Solids	TSS	mg/L	3/20/2024						4
Total Suspended Solids	TSS	mg/L	4/29/2024		31.3	12.9	58	<1.88	18.5
Toxaphene	8001-35-2	ug/L	5/10/2010	<2	<2	<2			
Trichloroethene	79-01-6	ug/L	4/14/2009	<1	<1	<1			
Trichloroethene	79-01-6	ug/L	7/7/2009		<1	<1			
Trichloroethene	79-01-6	ug/L	9/2/2009		<1	<1			
Trichloroethene	79-01-6	ug/L	10/25/2009	<1	<1	<1			
Trichloroethene	79-01-6	ug/L	3/3/2010	<1	<1	<1			
Trichloroethene	79-01-6	ug/L	5/10/2010	<1	<1	<1			
Trichloroethene	79-01-6	ug/L	7/8/2011		<1	<1			
Trichloroethene	79-01-6	ug/L	8/11/2011		<1	<1			
Trichloroethene	79-01-6	ug/L	10/13/2011		<1	<1			
Trichloroethene	79-01-6	ug/L	4/11/2012		<1	<1	<1	<1	
Trichloroethene	79-01-6	ug/L	8/1/2012		<1	<1			
Trichloroethene	79-01-6	ug/L	10/11/2012			<1			
Trichloroethene	79-01-6	ug/L	12/13/2012				<25		
Trichloroethene	79-01-6	ug/L	3/30/2013	<1			<1		
Trichloroethene	79-01-6	ug/L	10/5/2015			<10			
Trichloroethene	79-01-6	ug/L	4/4/2016			<1			
Trichloroethene	79-01-6	ug/L	10/17/2016		<1				
Trichloroethene	79-01-6	ug/L	4/17/2017					<1	
Trichloroethene	79-01-6	ug/L	10/11/2017		<1	<1	<1	<1	

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Trichloroethene	79-01-6	ug/L	3/15/2018		<1	<1	<1	<1	
Trichloroethene	79-01-6	ug/L	4/26/2018		<1	<1	<1	<1	
Trichloroethene	79-01-6	ug/L	10/16/2018		<1	<1	<1	<1	
Trichloroethene	79-01-6	ug/L	4/16/2019		<1	<1	<1	<1	
Trichloroethene	79-01-6	ug/L	10/1/2019		0.443J	<1	<1	<1	
Trichloroethene	79-01-6	ug/L	3/30/2020		<1	<1	<1	<1	
Trichloroethene	79-01-6	ug/L	10/7/2020		<1	<1	<1	<1	
Trichloroethene	79-01-6	ug/L	4/13/2021		<1	<1	<1	<1	
Trichloroethene	79-01-6	ug/L	10/20/2021		<1	<1	<1	<1	
Trichloroethene	79-01-6	ug/L	5/2/2022		<1	<1	<1	<1	
Trichloroethene	79-01-6	ug/L	5/1/2023		<1	<1	<1	<1	
Trichloroethene	79-01-6	ug/L	8/1/2023			<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/16/2023		<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	12/20/2023						<1
Trichloroethene	79-01-6	ug/L	3/20/2024						<1
Trichloroethene	79-01-6	ug/L	4/29/2024		<1	<1	<1	<1	<1
Trichloroethene	79-01-6	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
Trichloroethene	79-01-6	ug/L	2/25/2025						<1.00
Trichloroethene	79-01-6	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
Trichlorofluoromethane	75-69-4	ug/L	4/14/2009	<4	<4	<4			
Trichlorofluoromethane	75-69-4	ug/L	7/7/2009		<4	<4			
Trichlorofluoromethane	75-69-4	ug/L	9/2/2009		<4	<4			
Trichlorofluoromethane	75-69-4	ug/L	10/25/2009	<4	<4	<4			
Trichlorofluoromethane	75-69-4	ug/L	3/3/2010	<4	<4	<4			
Trichlorofluoromethane	75-69-4	ug/L	5/10/2010	<4	<4	<4			
Trichlorofluoromethane	75-69-4	ug/L	7/8/2011		<4	<4			
Trichlorofluoromethane	75-69-4	ug/L	8/11/2011		<4	<4			
Trichlorofluoromethane	75-69-4	ug/L	10/13/2011		<4	<4			
Trichlorofluoromethane	75-69-4	ug/L	4/11/2012		<4	<4	<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	8/1/2012		<4	<4			
Trichlorofluoromethane	75-69-4	ug/L	10/11/2012			<4			
Trichlorofluoromethane	75-69-4	ug/L	12/13/2012				<100		
Trichlorofluoromethane	75-69-4	ug/L	3/30/2013	<4			<4		
Trichlorofluoromethane	75-69-4	ug/L	10/5/2015			<40			
Trichlorofluoromethane	75-69-4	ug/L	4/4/2016			<4			
Trichlorofluoromethane	75-69-4	ug/L	10/17/2016		<4				
Trichlorofluoromethane	75-69-4	ug/L	4/17/2017					<4	
Trichlorofluoromethane	75-69-4	ug/L	10/11/2017		<4	<4	<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	3/15/2018		<4	<4	<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	4/26/2018		<4	<4	<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	10/16/2018		<4	<4	<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	4/16/2019		<4	<4	<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	10/1/2019		<4	<4	<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	3/30/2020		<4	<4	<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	10/7/2020		<4	<4	<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	4/13/2021		<1	<1	<1	<1	
Trichlorofluoromethane	75-69-4	ug/L	10/20/2021		<1	<1	<1	<1	
Trichlorofluoromethane	75-69-4	ug/L	5/2/2022		<1	<1	<1	<1	
Trichlorofluoromethane	75-69-4	ug/L	5/1/2023		<4	<4	<4	<4	
Trichlorofluoromethane	75-69-4	ug/L	8/1/2023			<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/16/2023		<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	12/20/2023						<4
Trichlorofluoromethane	75-69-4	ug/L	3/20/2024						<4
Trichlorofluoromethane	75-69-4	ug/L	4/29/2024		<4	<4	<4	<4	<4
Trichlorofluoromethane	75-69-4	ug/L	10/11/2024		<4.00	<4.00	<4.00	<4.00	<4.00
Trichlorofluoromethane	75-69-4	ug/L	2/25/2025						<4.00
Trichlorofluoromethane	75-69-4	ug/L	4/30/2025		<4.00	<4.00	<4.00	<4.00	<4.00
Vanadium	7440-62-2	mg/L	4/14/2009	<0.05	<0.05	<0.05			
Vanadium	7440-62-2	mg/L	7/7/2009		<0.05	<0.05			
Vanadium	7440-62-2	mg/L	9/2/2009		<0.05	<0.05			
Vanadium	7440-62-2	mg/L	10/25/2009	<0.05	<0.05	<0.05			
Vanadium	7440-62-2	mg/L	3/3/2010	<0.05	<0.05	<0.05			
Vanadium	7440-62-2	mg/L	5/10/2010	<0.05	<0.05	<0.05			
Vanadium	7440-62-2	mg/L	7/8/2011		<0.05	<0.05			
Vanadium	7440-62-2	mg/L	8/11/2011		<0.05	<0.05			
Vanadium	7440-62-2	mg/L	10/13/2011		<0.05	<0.05			
Vanadium	7440-62-2	mg/L	4/11/2012		<0.05	<0.05	<0.05	<0.05	
Vanadium	7440-62-2	mg/L	8/1/2012		<0.05	<0.05			
Vanadium	7440-62-2	mg/L	10/11/2012			<0.05			
Vanadium	7440-62-2	mg/L	12/13/2012				<0.05		

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Vanadium	7440-62-2	mg/L	3/30/2013	<0.05			<0.05		
Vanadium	7440-62-2	mg/L	10/5/2015			0.000598J			
Vanadium	7440-62-2	mg/L	4/4/2016			<0.005			
Vanadium	7440-62-2	mg/L	10/17/2016		<0.005				
Vanadium	7440-62-2	mg/L	4/17/2017					<0.005	
Vanadium	7440-62-2	mg/L	10/11/2017		0.00114J	<0.005	<0.005	0.00142J	
Vanadium	7440-62-2	mg/L	3/15/2018		0.0015J	<0.005	<0.005	<0.005	
Vanadium	7440-62-2	mg/L	4/26/2018		0.00195J	<0.005	<0.005	<0.02	
Vanadium	7440-62-2	mg/L	10/16/2018		0.0213	0.0244	0.0128	0.0144	
Vanadium	7440-62-2	mg/L	4/16/2019		<0.005	<0.005	<0.005	<0.005	
Vanadium	7440-62-2	mg/L	10/1/2019		<0.005	<0.005	<0.005	<0.005	
Vanadium	7440-62-2	mg/L	3/30/2020		<0.005	<0.005	<0.005	<0.005	
Vanadium	7440-62-2	mg/L	10/7/2020		<0.005	0.00129	0.128	<0.005	
Vanadium	7440-62-2	mg/L	4/13/2021		<0.02	<0.02	<0.02	<0.02	
Vanadium	7440-62-2	mg/L	10/20/2021		<0.02	<0.02	<0.02	<0.02	
Vanadium	7440-62-2	mg/L	5/2/2022		<0.02	<0.02	<0.02	<0.02	
Vanadium	7440-62-2	mg/L	5/1/2023		<0.005	<0.005	<0.005	<0.005	
Vanadium	7440-62-2	mg/L	10/16/2023		0.00595	<0.005	<0.005	0.00899	<0.005
Vanadium	7440-62-2	mg/L	12/20/2023						<0.005
Vanadium	7440-62-2	mg/L	3/20/2024						<0.005
Vanadium	7440-62-2	mg/L	4/29/2024		<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium	7440-62-2	mg/L	10/11/2024		0.0210	0.00121	0.00703	0.00827	<0.00500
Vanadium	7440-62-2	mg/L	2/25/2025						0.00339J
Vanadium	7440-62-2	mg/L	4/30/2025		0.0220	0.0258	<0.00500	<0.00500	<0.00500
Vinyl Acetate	108-05-4	ug/L	4/14/2009	<2	<2	<2			
Vinyl Acetate	108-05-4	ug/L	7/7/2009		<2	<2			
Vinyl Acetate	108-05-4	ug/L	9/2/2009		<2	<2			
Vinyl Acetate	108-05-4	ug/L	10/25/2009	<2	<2	<2			
Vinyl Acetate	108-05-4	ug/L	3/3/2010	<2	<2	<2			
Vinyl Acetate	108-05-4	ug/L	5/10/2010	<2	<2	<2			
Vinyl Acetate	108-05-4	ug/L	7/8/2011		<2	<2			
Vinyl Acetate	108-05-4	ug/L	8/11/2011		<2	<2			
Vinyl Acetate	108-05-4	ug/L	10/13/2011		<2	<2			
Vinyl Acetate	108-05-4	ug/L	4/11/2012		<20	<20	<20	<20	
Vinyl Acetate	108-05-4	ug/L	8/1/2012		<4	<4			
Vinyl Acetate	108-05-4	ug/L	10/11/2012			<10			
Vinyl Acetate	108-05-4	ug/L	12/13/2012				<50		
Vinyl Acetate	108-05-4	ug/L	3/30/2013	<2			<2		
Vinyl Acetate	108-05-4	ug/L	10/5/2015			<100			
Vinyl Acetate	108-05-4	ug/L	4/4/2016			<10			
Vinyl Acetate	108-05-4	ug/L	10/17/2016		<10				
Vinyl Acetate	108-05-4	ug/L	4/17/2017					<10	
Vinyl Acetate	108-05-4	ug/L	10/11/2017		<10	<10	<10	<10	
Vinyl Acetate	108-05-4	ug/L	3/15/2018		<10	<10	<10	<10	
Vinyl Acetate	108-05-4	ug/L	4/26/2018		<10	<10	<10	<10	
Vinyl Acetate	108-05-4	ug/L	10/16/2018		<10	<10	<10	<10	
Vinyl Acetate	108-05-4	ug/L	4/16/2019		<10	<10	<10	<10	
Vinyl Acetate	108-05-4	ug/L	10/1/2019		<10	<10	<10	<10	
Vinyl Acetate	108-05-4	ug/L	3/30/2020		<10	<10	<10	<10	
Vinyl Acetate	108-05-4	ug/L	10/7/2020		<10	<10	<10	<10	
Vinyl Acetate	108-05-4	ug/L	4/13/2021		<5	<5	<5	<5	
Vinyl Acetate	108-05-4	ug/L	10/20/2021		<5	<5	<5	<5	
Vinyl Acetate	108-05-4	ug/L	5/2/2022		<5	<5	<5	<5	
Vinyl Acetate	108-05-4	ug/L	5/1/2023		<10	<10	<10	<10	
Vinyl Acetate	108-05-4	ug/L	8/1/2023			<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	10/16/2023		<10	<10	<10	<10	<10
Vinyl Acetate	108-05-4	ug/L	12/20/2023						<10
Vinyl Acetate	108-05-4	ug/L	3/20/2024						<10
Vinyl Acetate	108-05-4	ug/L	4/29/2024		<10	<10	<10	<10	<10
Vinyl Chloride	75-01-4	ug/L	4/14/2009	<1	<1	<1			
Vinyl Chloride	75-01-4	ug/L	7/7/2009		<1	<1			
Vinyl Chloride	75-01-4	ug/L	9/2/2009		<1	<1			
Vinyl Chloride	75-01-4	ug/L	10/25/2009	<1	<1	<1			
Vinyl Chloride	75-01-4	ug/L	3/3/2010	<1	<1	<1			
Vinyl Chloride	75-01-4	ug/L	5/10/2010	<1	<1	<1			
Vinyl Chloride	75-01-4	ug/L	7/8/2011		<1	<1			
Vinyl Chloride	75-01-4	ug/L	8/11/2011		<1	<1			
Vinyl Chloride	75-01-4	ug/L	10/13/2011		<1	<1			
Vinyl Chloride	75-01-4	ug/L	4/11/2012		<1	<1	<1	<1	
Vinyl Chloride	75-01-4	ug/L	8/1/2012		<1	<1			

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Vinyl Chloride	75-01-4	ug/L	10/11/2012			<1			
Vinyl Chloride	75-01-4	ug/L	12/13/2012				<25		
Vinyl Chloride	75-01-4	ug/L	3/30/2013	<1			<1		
Vinyl Chloride	75-01-4	ug/L	10/5/2015			<10			
Vinyl Chloride	75-01-4	ug/L	4/4/2016			<1			
Vinyl Chloride	75-01-4	ug/L	10/17/2016		<1				
Vinyl Chloride	75-01-4	ug/L	4/17/2017					<1	
Vinyl Chloride	75-01-4	ug/L	10/11/2017		<1	<1	<1	<1	
Vinyl Chloride	75-01-4	ug/L	3/15/2018		<1	<1	0.185J	<1	
Vinyl Chloride	75-01-4	ug/L	4/26/2018		<1	<1	<1	<1	
Vinyl Chloride	75-01-4	ug/L	10/16/2018		<1	<1	<1	<1	
Vinyl Chloride	75-01-4	ug/L	4/16/2019		<1	<1	<1	<1	
Vinyl Chloride	75-01-4	ug/L	10/1/2019		<1	<1	<1	<1	
Vinyl Chloride	75-01-4	ug/L	3/30/2020		<1	<1	<1	<1	
Vinyl Chloride	75-01-4	ug/L	10/7/2020		<1	0.233	<1	<1	
Vinyl Chloride	75-01-4	ug/L	4/13/2021		<1	<1	<1	<1	
Vinyl Chloride	75-01-4	ug/L	10/20/2021		<1	<1	<1	<1	
Vinyl Chloride	75-01-4	ug/L	5/2/2022		<1	<1	<1	<1	
Vinyl Chloride	75-01-4	ug/L	5/1/2023		<1	<1	<1	<1	
Vinyl Chloride	75-01-4	ug/L	8/1/2023			<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	10/16/2023		<1	<1	<1	<1	<1
Vinyl Chloride	75-01-4	ug/L	12/20/2023						<1
Vinyl Chloride	75-01-4	ug/L	3/20/2024						<1
Vinyl Chloride	75-01-4	ug/L	4/29/2024		<1	<1	<1	<1	<1
Vinyl acetate	108-05-4	ug/L	10/11/2024		<10.0	<10.0	<10.0	<10.0	<10.0
Vinyl acetate	108-05-4	ug/L	2/25/2025						<10.0
Vinyl acetate	108-05-4	ug/L	4/30/2025		<10.0	<10.0	<10.0	<10.0	<10.0
Vinyl chloride	75-01-4	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl chloride	75-01-4	ug/L	2/25/2025						<1.00
Vinyl chloride	75-01-4	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
Xylenes	1330-20-7	ug/L	4/14/2009	<3	<3	<3			
Xylenes	1330-20-7	ug/L	7/7/2009		<3	<3			
Xylenes	1330-20-7	ug/L	9/2/2009		<3	<3			
Xylenes	1330-20-7	ug/L	10/25/2009	<6	<6	<6			
Xylenes	1330-20-7	ug/L	3/3/2010	<3	<3	<3			
Xylenes	1330-20-7	ug/L	5/10/2010	<12	<12	<12			
Xylenes	1330-20-7	ug/L	7/8/2011		<3	<3			
Xylenes	1330-20-7	ug/L	8/11/2011		<3	<3			
Xylenes	1330-20-7	ug/L	10/13/2011		<3	<3			
Xylenes	1330-20-7	ug/L	4/11/2012		<3	<3	<3	<3	
Xylenes	1330-20-7	ug/L	8/1/2012		<3	5.57			
Xylenes	1330-20-7	ug/L	10/11/2012			<3			
Xylenes	1330-20-7	ug/L	12/13/2012				350		
Xylenes	1330-20-7	ug/L	3/30/2013	<3			67.1		
Xylenes	1330-20-7	ug/L	10/5/2015			34.5			
Xylenes	1330-20-7	ug/L	4/4/2016			<3			
Xylenes	1330-20-7	ug/L	10/17/2016		<3				
Xylenes	1330-20-7	ug/L	4/17/2017					<3	
Xylenes	1330-20-7	ug/L	10/11/2017		<3	<3	<3	<3	
Xylenes	1330-20-7	ug/L	3/15/2018		<3	<3	<3	<3	
Xylenes	1330-20-7	ug/L	4/26/2018		<3	<3	<3	<3	
Xylenes	1330-20-7	ug/L	10/16/2018		<3	<3	<3	<3	
Xylenes	1330-20-7	ug/L	4/16/2019		<3	<3	<3	<3	
Xylenes	1330-20-7	ug/L	10/1/2019		<3	<3	<3	<3	
Xylenes	1330-20-7	ug/L	3/30/2020		<3	<3	<3	<3	
Xylenes	1330-20-7	ug/L	10/7/2020		<3	<3	0.555	0.484J	
Xylenes	1330-20-7	ug/L	4/13/2021		<2	<2	<2	<2	
Xylenes	1330-20-7	ug/L	10/20/2021		<2	<2	<2	<2	
Xylenes	1330-20-7	ug/L	5/2/2022		<2	<2	<2	<2	
Xylenes	1330-20-7	ug/L	5/1/2023		<3	<3	<3	<3	
Xylenes	1330-20-7	ug/L	8/1/2023			<3	<3	<3	<3
Xylenes	1330-20-7	ug/L	10/16/2023		<3	<3	<3	<3	<3
Xylenes	1330-20-7	ug/L	12/20/2023						<3
Xylenes	1330-20-7	ug/L	3/20/2024						<3
Xylenes	1330-20-7	ug/L	4/29/2024		<3	<3	<3	<3	<3
Xylenes, Total	1330-20-7	ug/L	10/11/2024		<3.00	<3.00	<3.00	<3.00	<3.00
Xylenes, Total	1330-20-7	ug/L	2/25/2025						<3.00
Xylenes, Total	1330-20-7	ug/L	4/30/2025		<3.00	<3.00	<3.00	<3.00	<3.00
Zinc	7440-66-6	mg/L	4/14/2009	<0.1	<0.1	<0.1			
Zinc	7440-66-6	mg/L	7/7/2009		<0.1	<0.1			

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
Zinc	7440-66-6	mg/L	9/2/2009		<0.1	<0.1			
Zinc	7440-66-6	mg/L	10/25/2009	<0.1	<0.1	<0.1			
Zinc	7440-66-6	mg/L	3/3/2010	<0.1	<0.1	<0.1			
Zinc	7440-66-6	mg/L	5/10/2010	0.0287	0.0253	0.022			
Zinc	7440-66-6	mg/L	7/8/2010	<0.1	<0.1	<0.1			
Zinc	7440-66-6	mg/L	7/8/2011		<0.1	<0.1			
Zinc	7440-66-6	mg/L	8/11/2011		<0.1				
Zinc	7440-66-6	mg/L	10/13/2011		<0.02	<0.02			
Zinc	7440-66-6	mg/L	4/11/2012		<0.02	<0.02	<0.02	<0.02	
Zinc	7440-66-6	mg/L	8/1/2012		0.0335	<0.02			
Zinc	7440-66-6	mg/L	10/11/2012			<0.02			
Zinc	7440-66-6	mg/L	12/13/2012				0.258		
Zinc	7440-66-6	mg/L	3/30/2013	0.0567			0.861		
Zinc	7440-66-6	mg/L	10/5/2015			0.0822			
Zinc	7440-66-6	mg/L	4/4/2016			<0.01			
Zinc	7440-66-6	mg/L	10/17/2016		<0.01				
Zinc	7440-66-6	mg/L	4/17/2017					<0.02	
Zinc	7440-66-6	mg/L	10/11/2017		<0.02	<0.02	<0.02	0.0128J	
Zinc	7440-66-6	mg/L	3/15/2018		<0.02	<0.02	<0.02	<0.02	
Zinc	7440-66-6	mg/L	4/26/2018		<0.02	<0.02	<0.02	<0.08	
Zinc	7440-66-6	mg/L	10/16/2018		0.0315	0.0307	0.0174J	0.0131J	
Zinc	7440-66-6	mg/L	4/16/2019		<0.02	<0.02	<0.02	<0.02	
Zinc	7440-66-6	mg/L	10/1/2019		<0.02	<0.02	<0.02	<0.02	
Zinc	7440-66-6	mg/L	3/30/2020		<0.02	<0.02	<0.02	<0.02	
Zinc	7440-66-6	mg/L	10/7/2020		<0.02	<0.02	0.419	<0.02	
Zinc	7440-66-6	mg/L	4/13/2021		<0.02	<0.02	<0.02	<0.02	
Zinc	7440-66-6	mg/L	10/20/2021		<0.02	<0.02	<0.02	<0.02	
Zinc	7440-66-6	mg/L	5/2/2022		<0.02	<0.02	<0.02	<0.02	
Zinc	7440-66-6	mg/L	5/1/2023		<0.02	0.0104J	<0.02	<0.02	
Zinc	7440-66-6	mg/L	10/16/2023		0.00788J	0.00794J	<0.02	0.014J	<0.02
Zinc	7440-66-6	mg/L	12/20/2023						<0.02
Zinc	7440-66-6	mg/L	3/20/2024						<0.02
Zinc	7440-66-6	mg/L	4/29/2024		<0.02	<0.02	<0.02	<0.02	<0.02
Zinc	7440-66-6	mg/L	10/11/2024		0.0291	<0.0200	0.0115J	0.0172J	<0.0200
Zinc	7440-66-6	mg/L	2/25/2025						0.0186J
Zinc	7440-66-6	mg/L	4/30/2025		0.0304	0.0413	<0.0200	<0.0200	<0.0200
cis-1,2-Dichloroethene	156-59-2	ug/L	4/14/2009	<1	<1	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	7/7/2009		<1	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	9/2/2009		<1	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	10/25/2009	<1	<1	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	3/3/2010	<1	<1	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	5/10/2010	<1	<1	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	7/8/2011		<1	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	8/11/2011		<1	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	10/13/2011		<1	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	4/11/2012		<1	<1	<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	8/1/2012		<1	<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	10/11/2012			<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	12/13/2012				<25		
cis-1,2-Dichloroethene	156-59-2	ug/L	3/30/2013	<1			<1		
cis-1,2-Dichloroethene	156-59-2	ug/L	10/5/2015			<10			
cis-1,2-Dichloroethene	156-59-2	ug/L	4/4/2016			<1			
cis-1,2-Dichloroethene	156-59-2	ug/L	10/17/2016		<1				
cis-1,2-Dichloroethene	156-59-2	ug/L	4/17/2017					<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	10/11/2017		<1	<1	0.142J	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	3/15/2018		<1	<1	0.229J	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	4/26/2018		<1	<1	<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	10/16/2018		<1	<1	<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	4/16/2019		<1	<1	<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	10/1/2019		<1	<1	<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	3/30/2020		<1	<1	<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	10/7/2020		<1	<1	<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	4/13/2021		<1	<1	<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	10/20/2021		<1	<1	<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	5/2/2022		<1	<1	<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	5/1/2023		<1	<1	<1	<1	
cis-1,2-Dichloroethene	156-59-2	ug/L	8/1/2023			<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/16/2023		<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	12/20/2023						<1
cis-1,2-Dichloroethene	156-59-2	ug/L	3/20/2024						<1

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
cis-1,2-Dichloroethene	156-59-2	ug/L	4/29/2024		<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	156-59-2	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,2-Dichloroethene	156-59-2	ug/L	2/25/2025						<1.00
cis-1,2-Dichloroethene	156-59-2	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/14/2009	<5	<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	7/7/2009		<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	9/2/2009		<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/25/2009	<5	<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/3/2010	<5	<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/10/2010	<5	<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	7/8/2011		<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	8/11/2011		<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/13/2011		<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/11/2012		<5	<5	<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	8/1/2012		<5	<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/11/2012			<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	12/13/2012				<125		
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/30/2013	<5			<5		
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/5/2015			<50			
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/4/2016			<5			
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/17/2016		<5				
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/17/2017					<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/11/2017		<5	<5	<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/15/2018		<5	<5	<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/26/2018		<5	<5	<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/16/2018		<5	<5	<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/16/2019		<5	<5	<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/1/2019		<5	<5	<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/30/2020		<5	<5	<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/7/2020		<5	<5	<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/13/2021		<1	<1	<1	<1	
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/20/2021		<1	<1	<1	<1	
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/2/2022		<1	<1	<1	<1	
cis-1,3-Dichloropropene	10061-01-5	ug/L	5/1/2023		<5	<5	<5	<5	
cis-1,3-Dichloropropene	10061-01-5	ug/L	8/1/2023			<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/16/2023		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	12/20/2023						<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	3/20/2024						<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/29/2024		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	10061-01-5	ug/L	10/11/2024		<5.00	<5.00	<5.00	<5.00	<5.00
cis-1,3-Dichloropropene	10061-01-5	ug/L	2/25/2025						<5.00
cis-1,3-Dichloropropene	10061-01-5	ug/L	4/30/2025		<5.00	<5.00	<5.00	<5.00	<5.00
m/p-Cresol	T-34MP	ug/L	5/10/2010	<10	<10	<10			
p-Chloroaniline	106-47-8	ug/L	5/10/2010	<10	<10	<10			
trans-1,2-Dichloroethene	156-60-5	ug/L	4/14/2009	<1	<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	7/7/2009		<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	9/2/2009		<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	10/25/2009	<1	<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	3/3/2010	<1	<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	5/10/2010	<1	<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	7/8/2011		<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	8/11/2011		<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	10/13/2011		<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	4/11/2012		<1	<1	<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	8/1/2012		<1	<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	10/11/2012			<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	12/13/2012				<25		
trans-1,2-Dichloroethene	156-60-5	ug/L	3/30/2013	<1			<1		
trans-1,2-Dichloroethene	156-60-5	ug/L	10/5/2015			<10			
trans-1,2-Dichloroethene	156-60-5	ug/L	4/4/2016			<1			
trans-1,2-Dichloroethene	156-60-5	ug/L	10/17/2016		<1				
trans-1,2-Dichloroethene	156-60-5	ug/L	4/17/2017					<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	10/11/2017		<1	<1	<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	3/15/2018		<1	<1	<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	4/26/2018		<1	<1	<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	10/16/2018		<1	<1	<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	4/16/2019		<1	<1	<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	10/1/2019		<1	<1	<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	3/30/2020		<1	<1	<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	10/7/2020		<1	<1	<1	<1	

Table 9B
Analytical Data Summary - Groundwater Underdrains
2025 Spring Statistical Report
Iowa City Sanitary Landfill
Permit No. 52-SDP-01-72P

Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
trans-1,2-Dichloroethene	156-60-5	ug/L	4/13/2021		<1	<1	<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	10/20/2021		<1	<1	<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	5/2/2022		<1	<1	<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	5/1/2023		<1	<1	<1	<1	
trans-1,2-Dichloroethene	156-60-5	ug/L	8/1/2023			<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/16/2023		<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	12/20/2023						<1
trans-1,2-Dichloroethene	156-60-5	ug/L	3/20/2024						<1
trans-1,2-Dichloroethene	156-60-5	ug/L	4/29/2024		<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	156-60-5	ug/L	10/11/2024		<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,2-Dichloroethene	156-60-5	ug/L	2/25/2025						<1.00
trans-1,2-Dichloroethene	156-60-5	ug/L	4/30/2025		<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/14/2009	<5	<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	7/7/2009		<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	9/2/2009		<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/25/2009	<5	<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/3/2010	<5	<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/10/2010	<5	<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	7/8/2011		<10	<10			
trans-1,3-Dichloropropene	10061-02-6	ug/L	8/11/2011		<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/13/2011		<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/11/2012		<5	<5	<5	<5	
trans-1,3-Dichloropropene	10061-02-6	ug/L	8/1/2012		<5	<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/11/2012			<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	12/13/2012				<125		
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/30/2013	<5			<5		
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/5/2015			<50			
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/4/2016			<5			
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/17/2016		<5				
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/17/2017					<5	
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/11/2017		<5	<5	<5	<5	
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/15/2018		<5	<5	<5	<5	
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/26/2018		<5	<5	<5	<5	
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/16/2018		<5	<5	<5	<5	
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/16/2019		<5	<5	<5	<5	
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/1/2019		<5	<5	<5	<5	
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/30/2020		<5	<5	<5	<5	
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/7/2020		<5	<5	<5	<5	
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/13/2021		<1	<1	<1	<1	
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/20/2021		0.4J	<1	<1	<1	
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/2/2022		<1	<1	<1	<1	
trans-1,3-Dichloropropene	10061-02-6	ug/L	5/1/2023		<5	<5	<5	<5	
trans-1,3-Dichloropropene	10061-02-6	ug/L	8/1/2023			<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/16/2023		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	12/20/2023						<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	3/20/2024						<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/29/2024		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	10061-02-6	ug/L	10/11/2024		<5.00	<5.00	<5.00	<5.00	<5.00
trans-1,3-Dichloropropene	10061-02-6	ug/L	2/25/2025						<5.00
trans-1,3-Dichloropropene	10061-02-6	ug/L	4/30/2025		<5.00	<5.00	<5.00	<5.00	<5.00
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/14/2009	<10	<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	7/7/2009		<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	9/2/2009		<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/25/2009	<10	<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/3/2010	<10	<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/10/2010	<10	<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	7/8/2011		<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	8/11/2011		<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/13/2011		<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/11/2012		<20	<20	<20	<20	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	8/1/2012		<10	<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/11/2012			<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	12/13/2012				<250		
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/30/2013	<10			<10		
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/5/2015			<100			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/4/2016			<10			
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/17/2016		<10				
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/17/2017					<10	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/11/2017		<10	<10	<10	<10	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/15/2018		<10	<10	<10	<10	

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Constituent	CAS	Units	Date	ST-1	WT-1	WT-2	WT-3	WT-4	WT-OF
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/26/2018		<10	<10	<10	<10	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/16/2018		<10	<10	<10	<10	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/16/2019		<10	<10	<10	<10	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/1/2019		<10	<10	<10	<10	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/30/2020		<10	<10	<10	<10	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/7/2020		<10	<10	<10	<10	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/13/2021		<5	<5	<5	<5	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/20/2021		<5	<5	<5	<5	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/2/2022		<5	<5	<5	<5	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	5/1/2023		<10	<10	<10	<10	
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	8/1/2023			<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	10/16/2023		<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	12/20/2023						<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	3/20/2024						<10
trans-1,4-Dichloro-2-Butene	110-57-6	ug/L	4/29/2024		<10	<10	<10	<10	<10
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	10/11/2024		<10.0	<10.0	<10.0	<10.0	<10.0
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	2/25/2025						<10.0
trans-1,4-Dichloro-2-butene	110-57-6	ug/L	4/30/2025		<10.0	<10.0	<10.0	<10.0	<10.0